Cases in surgery, with remarks: to which is added, an account of the preparation and effects of the agaric of the oak in stopping of bleedings, after some of the most capital operations / By Joseph Warner.

Contributors

Warner, Joseph, 1717-1801.

Publication/Creation

London : J. and R. Tonson and S. Draper, 1754.

Persistent URL

https://wellcomecollection.org/works/pnte2juj

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection 183 Euston Road London NW1 2BE UK T +44 (0)20 7611 8722 E library@wellcomecollection.org https://wellcomecollection.org

C A S E S

IN

SURGERY,

WITH

REMARKS:

To which is added,

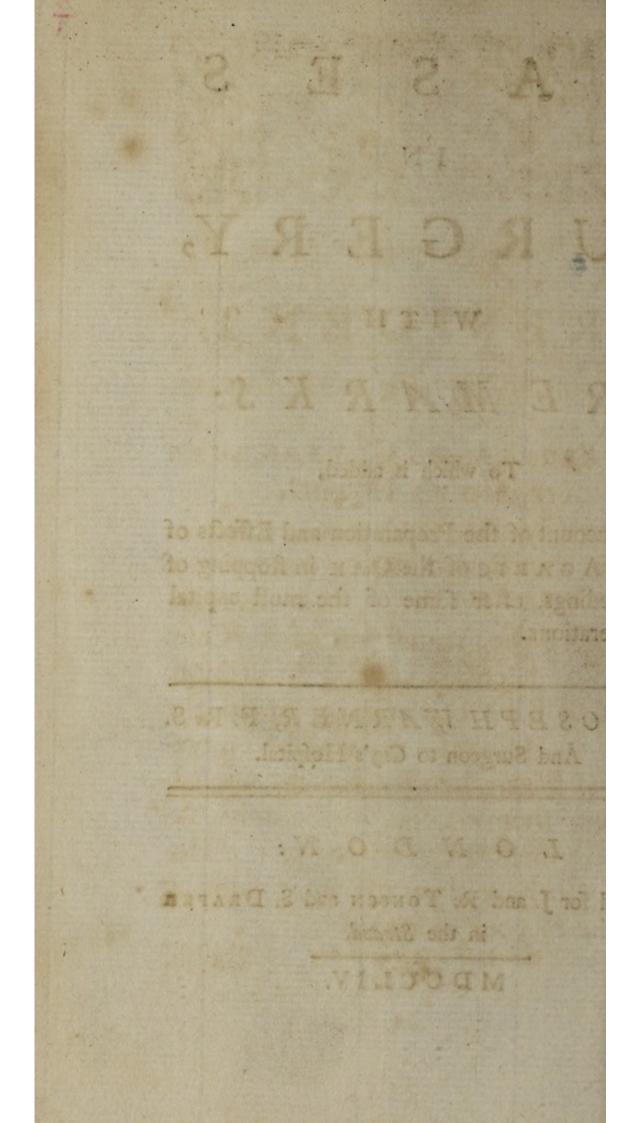
An Account of the Preparation and Effects of the AGARIC of the OAK in ftopping of Bleedings, after fome of the most capital Operations.

By JOSEPH WARNER, F. R. S. And Surgeon to Guy's Hofpital.

L O N D O N:

Printed for J. and R. TONSON and S. DRAPER in the Strand.

MDCCLIV.





PRESIDENT,

THE

TREASURER, and GOVERNOURS of GUY's Hospital.

GENTLEMEN,



S the greatest part of the Cases described in this Collection, have occurr'd to me in the

Hofpital over which you prefide; I have taken the Liberty of Addreffing them to you, as the only Ackowledgment I can make for the Honour you have done me, in appointing me one of your Surgeons.

A 2

Should

DEDICATION.

Should thefe Papers be found to conduce in any degree to the Advancement of my Profeffion, or in other Words, to the Benefit of Mankind, I dare fay it will be no inconfiderable Pleafure to you, under whofe Direction this Charity flourifhes, to reflect, that an Holpital is not only the Inftrument of Relief to the Diftreffed who are immediately received there, but alfo a Means of helping others, by furnifhing fuch Principles and Practice, as may improve the Art of Surgery, and thus render the Benefi more general.

I am, with the greatest Respect,

GENTLEMEN,

your most obedient, and

most obliged humble Servant,

Hatton-Garden, July 18, 1754. JOSEPH WARNER.

CASE I. Of a fractured Scull with a Wound of the Longitudinal Sinus. Page I

CASE 2. Of a fractured Scull, where the Operation was fuccessfully perform'd upon the Lambdoidal Suture. 7

CASE 3. Of a Man where the Operation of the Trepan had been fuccessfully perform'd upon the Os Occipitis. 10

CASE 4. A short Account of some extraordinary Facts attending the Operation of Couching, &c. 13

CASE 5. Of an extraordinary Tumour in the right Orbit of the Eye. 34

CASE 6. Of an uncommon Tumour upon the Roof of the Mouth. 37

CASE 7. Of an encysted Tumour situated upon the fore-part of the Neck, successfully extirpated. 39

CASE 8. Of a Steatoma, possessing the greatest part of the Neck on one Side, successfully extirpated. 4I CASE

- CASE 9. Of an incurable Difease of the Æfophagus. 43
- CASE 10. Of a Tumour fituated upon the Forebead. 46
- CASE II. Of a Tumour fituated upon the Occiput. 47
- CASE 12. Of an extraordinary Disease of the humeral Artery. 50
- CASE 13. Of an Aneurysm of the humeral Artery. 53
- CASE 14. Of an Aneury/m of the Artery Tibialis Postica. 58
- CASES 15 and 16. Two remarkable Cafes of Ganglions, where the Operations were performed with Succefs. 61
- CASE 17. Of a Ganglion fituated upon the Forefinger. 66
- CASE 18. Of an Empiema, where the Operation was unsuccessfully performed. 68
- CASE 19. Two Cafes of the Operation for the Empiema fuccessfully perform'd, and read before the Royal Society the 19th of March 1752, and 28th of June 1753. 71

CASE 20. The same Operation perform'd a sccond time with equal Benefit. 74 CASE

CASE 21. Of an incarcerated Hernia Inguinalis. 80 CASE 22. Of an Hernia Umbilicalis from Tapping. 82 CASE 23. Of a Wound penetrating the Abdomen. 87 CASE 24. A fingular Cafe of the Stone. 89 CASE 25. Of a Piece of Bone, together with a Stone in the Bladder, fuccessfully extracted: inserted in the Philosophical Transactions, printed Anno. 1753. N at the pill 92 CASE 26. Of a Retention of Urine occasioned by the Size of the Hymen. 95 CASE 27. Of an Amputation of the Penis. 98 CASE 28. Of the good Effect of medicated Bougies, in difeases of the Penis and Scrotum. 102 CASE 29. Of an Hydrocele. 106 CAS'E 30. Of a Tumour growing on the Infide of the Bladder, fuccessfully extirpated; inserted in the Philosoph. Transact. for the Months of April May, June, and July 1750, printed 108 Anno. 1751. CASE 31. A remarkable Instance of two Excre-Scences of the Urethra, successfully extirpated. 112 CASE

CASE 32. A remarkable Instance of a Wound, by which the Tibia was entirely divided: 117 CASE 33. A fingular Instance of a diseased Joint requiring Amputation. 121 CASE 34. Of a fractur'd Patella. 123 CASE 35 Of a fractur'd Patella. 124 CASE 36. Of a Division of the Tendo Achillis. 126 CASE 37. Of a Division of the Flexor Tendons of the Wrift. 129 CASE 38. Of a Rupture of the Tendo Achillis. 131 CASE 39. Of an Amputation of the Leg. 142 CASE 40. Of an Amputation of the Leg. 140 CASE 41. Of an Amputation of a Breaft. 153 CASE 42. Of an Amputation of a Leg. 157 CASE 43. Of an Amputation of a Leg. 158 CASE 44. Of an Amputation of the Leg. 161



457 A A.

CAS

S E S IN URGERY.

CASE I.

Of a fractured Scull with a Wound of the Longitudinal Sinus.



T is a Maxim with almost all Writers in Surgery, to fpeak of the Impropriety and danger of the Application of the Trepan, upon certain parts of the Cranium, previous to a Description of the Operation. The Parts of he Scull which are look'd upon as improper or the Admiffion of the Inftrument, are the iutures in general, the Sagittal Suture in particular. B

2

ticular, the whole of the Os Occipitis, and the anterior, and inferior Part of the Os Frontis. But notwithftanding it may be right to have a general regard to these Rules; yet there are Instances where they cannot take place but by wholly neglecting the Operation.

THE particular Attachment of the Dura Mater to the Sutures of the Scull in general, and the Courfe of the Longitudinal Sinus under the Sagittal Suture in particular, are not fufficient Reafons for the abfolute forbidding the Application of the Inftrument upon these Parts; fince Fractures of the Scull are fometimes fo circumftanced as abfolutely to require it, and the Patient is otherwise incapable of being reliev'd by the Operation.

THE Rule laid down by Mr. Chefelden, in his Obfervation upon Monfieur Le Dran, feems to be too pofitive, where he fays, " that no " Inftrument fhould ever be applied over the " Longitudinal Sinus, nor ought the Inftru-" ment to be introduced between that and " the Scull."

As fome reafon and excufe for my diffenting from the Opinion of fo eminent a Man, I am induc'd to offer the following Cafe as a Proof of its Neceffity under certain Cir-

3

Circumstances, and of the little Danger there feems to attend even a Wound of the Longitudinal Sinus. An inftance of which Mr. *Chefelden* has given us himfelf, where he fays, " the Longitudinal Sinus, or the Veffels that " empty into it were wounded by a Surgeon," which he fays, " he ftopt by dry Lint; and " had the good Luck to fave his Patient."

R. _____ aged 13, on the 16th of November, 1749, was ftruck with a pointed Piece of Iron, upon the upper and middle Part of the Head, fo immediately upon the Sagittal Sature as to force a bit of both Parietal Bones into the Longitudinal Sinus. Immediately upon receiving the Blow, he fell down, and became fenfeless, but in a few Minutes afterwards recover'd, and continued well for fix Days. At the End of which Time, he was feiz'd with Epileptic Fits, which were very frequent, accompany'd with Vomitings, and a Palfy of the left Side; the Sight of his left Eye was perfect, but his right Eye was fo affected as to make all fingle Objects appear double. These Symptoms continued till the 27th of December following, when he was put under my care. Upon examination, I found B 2 the

4

the Circumstances as related above, and immediately afterwards proceeded to the Operation. Upon taking off the Scalp, there iffued a continued Stream of Blood through the Hole made in the Bone; I applied the Trepan fo as to include the Hole made through the Bone, and the Sagittal Suture, within the Circle of the Inftrument. Upon taking out the circular Piece of Bone, there appear'd a Wound which was made into the Sinus by the bits of Bone that were then flicking in it, which I enlarged with a Lancet, in order to extract them with lefs Violence. Upon taking them out, the Discharge of Blood was increafed; but upon the Application of dry Lint only, the Hæmorrhage ftopt. Immediately after the Operation, he fainted, but foon recovered; in half an Hour's time he exprefs'd an agreeable Senfation on his left Side, and by the next Morning had fo well recover'd the Use of his Limbs as to be able to move them freely to any part of the Bed. In fix Days after the Operation, he perfectly recover'd the Sight of his right Eye; from this time he continued to mend till the 19th of January following, when he accidentally receiv'd a Blow upon his Head. Soon after which,

which, he complain'd of a Numbness in his left Arm, and a return of the Dimnefs in his right Eye. Upon taking off the Dreffings, there appear'd fome clots of Blood upon them, and his Head was confiderably diforder'd till the 26th of the fame Month, when he grew tolerably well again. Upon observing a Fungus to have rifen a confiderable Height, above the Surface of the Skull, which would not fubfide with proper Applications affifted by preffure, I pared it off: This gave him very little Pain, but for a few Minutes afterwards he complain'd of a Numbnefs all over him, which foon went off, and he continued well till February the 2d, when he complain'd of a Sickness in his Stomach, and of acute Pains in both his Elbows. February the 3d, as I was dreffing him, he was fuddenly attack'd with a Shivering, and the Dura Mater appearing particularly prominent, I divided it, and difcover'd a Piece of Bone flicking in the Brain, which I endeavour'd to extract, but meeting with confiderable refiftance, was obliged to enlarge the Wound, which admitted of its being more eafily removed.

A FEW Days after this, he complain'd of confiderable Pain on the right Side, about B 3 two

6

two Inches below the old Wound, which increafed upon Preffure: Upon Shaving the Scalp, there appear'd a fmall Difcoloration which induced me to repeat the Operation upon this Part. Upon taking out the Bone, the *Dura Mater* appear'd confiderably elevated, and difcolor'd: For which Reafon I divided the *Membrane*, and gave iffue to a large quantity of Matter, which was confined underneath it. On the next Day he was free from Pain, but on the Day following his Pulfe grew bad, and fo continued till the Evening, when he expired.

UPON opening his Head, there appear'd a confiderable Quantity of Matter lodged in the Substance of the Brain, particularly in the right Hemisphere.

Query. Could the want of Succefs in this Operation be attributed to the Wound of the Sinus Longitudinalis; and is it not reafonable to hope that the Operation might have been fuccefsful, if no extraneous Body had been lodged in the Substance of the Brain?

THE Wound of the Longitudinal Sinus did not probably produce any dangerous Symptoms, because

7

because it never bled again after being once stopp'd, which was easily effected; and if we credit the fourth Observation of *Marchetti*, there does not seem to be so great a Danger attending a Wound of this Sinus as is generally, apprehended.

CORCE CONCERCION CONTROL

CASE II.

Of a fractured Scull, where the Operation was fuccessfully perform'd upon the Lambdoidal Suture.

 $M \stackrel{AY}{}_{i754}, H \stackrel{A}{\longrightarrow} aged 18$, receiv'd a Blow on the posterior Part of the Head upon the Lambdoidal Suture, at about an Inch and a half distance from its upper Angle, which lacerated the Scalp, and fractured the Scull. Upon examining the Wound, and finding it thus circumstanced, he was immediately scalp'd, which gave me an opportunity of discovering the Nature and Extent of the Injury done to the Bone. The Fracture extended to about three Inches in length obliquely upwards upon the left Parietal Bone; and one of the Offa Triquetra appear'd vi-B 4 fibly

fibly deprefs'd, and beat inward upon the Dura Mater. Upon receiving the Blow, the Boy fell down, and became fenfelefs, which was foon fucceeded by Vomitings, and a Discharge of Blood from the Nofe. In an Hour after the Accident, he was brought into the Hofpital, and the Operation was perform'd fo immediately upon the Lambdoidal Suture, as to include the depress'd Bone, which could not otherwife have been remov'd. Upon taking out the Piece of Bone, the Dura Mater appear'd prominent, and tenfe; I divided it with a Launcet, and gave iffue to a Quantity of Serum that was confined underneath it. From the great Extent of the Fracture, I judged it neceffary to apply the Trepan a fecond Time, which was accordingly done upon the Parietal Bones at about an Inch and half distance from the former Place. The Dura Mater appear'd here in its natural State; for which reafon I thought it unneceffary to divide The next Morning after the Operation, it. the Patient was blooded on account of a fullnefs in his Pulfe, and of the Stupor which still remain'd in fome degree ; in the Evening an emollient Clyfter was administer'd, from which Treatment he receiv'd immediate relief, and continued

continued to mend from this time without any Relapse till he perfectly recover'd, which was in nine Weeks after the Operation.

REMARK.

IN this Cafe, the Attachment of the Dura Mater to the Lambdoidal Suture appear'd very inconfiderable; and feeing the Nature of the Accident was fuch, as to render the Application of the Inftrument upon that Part, abfolutely neceffary to the taking off the Preffure from the fubjacent Membranes and Brain, which they labour'd under from the deprefs'd Bone; I'm induced to think there could be no doubt of the Propriety of Operating upon the Suture. The Courfe of the Longitudinal, and Lateral Sinuses, were here quite out of the Queftion. It has been observed by Writers, that when the Head receives fo violent a Blow as to Fracture the Scull, that the natural Attachment of the Dura Mater to the internal Part of the Cranium, is broken off, and confequently there can be very little danger of injuring the fubjacent Membrane with the Teeth of the Saw. Again it is agreed, under fome circumstances, to be abfolutely neceffary to divide the Dura Mater, to give iffue to any ex-

extravafated Fluid that is confined underneath it, which is often practifed with fuccefs. I am induced therefore to think, it has been a Rule too generally laid down by Authors, to forbid the Application of the Inftrument upon thefe Parts; fince by following it too ftrictly, the Trepan must neceffarily be omitted in Cafes that are not otherwife to be relieved; in confequence of which, the Patient is deprived of fuch benefit, as might probably accrue from the Operation.

Difference and the contraction of the contraction o

CASE III.

Of a Man where the Operation of the Trepan had been fuccessfully perform'd upon the Os Occipitis.

I N the two preceeding Cafes, I have given inftances where it was abfolutely neceffary to apply the Trepan upon the Sagittal and Lambdoidal Sutures. In the following it will appear, that the Trepan may be likewife fafely apply'd upon the Os Occipitis, contrary to the general Opinion of Authors.

ON

ON the 21st of February, 1753, I gave a Lecture upon the Brain of a Man who was executed at Tyburn. Upon fawing through the Scull (which I have now by me) I obferved that he had formerly been trepan'd upon the Occipital Bone. The Instrument appeared to have been apply'd upon the Os Occipitis, at east an Inch distant from the upper Angle of the Lambdoidal Suture, and very near to the eft Side of the Sulcus, which is form'd in that Bone for the Reception of the posterior Part of the Longitudinal Sinus.

THIS Operation must have been perform'd a confiderable time before his Execution, fince there was a firm Cicatrix of the Integuments. There was not the least Appearance of a Callus which had fhot from the Circumference of the Hole made into the the Bone by the circular Saw. The Cure seem'd to be compleated merely by a strict Adhefion of the Dura Mater, to the Circumference of the Opening made through the Scull, and by an elongation of the Integuments which compose the Scalp. The principal Reafons given by Authors for the Impropriety of the Application of the Trepan upon this Bone, are thefe: The Unevennefs of

of its external, and internal Surfaces, and the Courfe of the Longitudinal, and Lateral Sinufes.

But the first Objection can be of no great weight; and as the chief Sinuses possible only the upper and middle lateral Parts of the Os Occipitis, the Operation may, contrary to the general Opinion, be fasely perform'd upon this Bone, on either fide the Lambdoidal Suture, as low down as the first occipital Ridge, corresponding to which, on the Infide, are the lateral Sinuses.

FROM what has been already observed in the preceding Cases, I think it may be fairly concluded, that there is no Part of the Scull upon which the Operation may not be performed in Cases of Emergency, except, at the anterior inferior Angles of the parietal Bones, on the internal Part of which the Arteria duræ Matris runs, and on the anterior and inferior Part of the Os Frontis, where its Tables are well enough known to be at a confiderable Distance from each other in Adults, and by this means to form a Cavity distinguish'd by the Name of the Sinus Frontalis.

CASE

13

COSCOMPLES CONTRACTOR

CASE IV.

A short Account of some extraordinary Facts attending the Operation of Couching, &c.

W. L. aged 26, about nine Years ago was fuddenly attacked with a Dimnefs in both his Eyes, which happened without any previous Accident or Pain in the Head, the Diforder continued for three Years in much the fame State, when it began to increafe, and fo continued till he became incapable of diftinguifhing Objects. He remained under thefe Circumftances till March, 1748, when he came to London, and put himfelf under my Care.

THE Difeafe was a *Cataract*, or Opakenefs in each of the *Chryftalline* Humours; that in in the right Eye appeared to adhere to the inferior Part of the Iris, but without any defect or Alteration in the Shape of the Pupil. He was capable of diftinguishing Light, and Colours. In the left Eye, the *Chryftalline* Humour was adherent to the greatest Part of the

the Iris. The Pupil appeared to extend be neath the *Cataract*, and to have changed its Shape, from a Circle, to an oblong through the lower Part of which, a fmal Share of Light was admitted to the Botton of the Eye.

FROM these Circumstances, I judged i improper to meddle with the left Eye, and a the fame time confidered the Event of the Operation as precarious in the Right. How ever, I undertook it upon a probability c Success, and couched the right Eye on the third of *April* following.

UPON endeavouring to deprefs the Cataract I perceived it to make a confiderable Refiftance to the Inftrument, which was occafioned by its adhesion to the inferior Part of the Iris So that I was obliged to direct my Needle underneath the Cataract, and lift it up, be fore I could difengage it from the Iris, which I effected with fome difficulty, and at length depreffed it.

H E fuffered very little Pain from the Ope ration. In fix Days after I examined the Eye when the *Cataract* appeared to have refumed its former Situation.

ON

O N the third of *May* following, I couched nim a fecond Time, the *Catara&t* fubfided nuch more eafily than before; this Operaion was attended with as little Pain as the preceeding: Upon examining the Eye a Week fter, I perceived the *Catara&t* to have rifen a econd Time, but fo imperfectly, as to cover he lower Half of the Pupil only. The upper Half of it appeared clear, and he could difinguish Letters through it, by the help of a Convex-glass.

I w A s in hopes from this Appearance, that he Cataract might in time have fubfided (as I have frequently known it do under the like Circumstances) without any farther Operation. But on account of the little Pain which the Paient had fuffered from these Operations, he infifted upon a Third, which I performed upon the 23d of the fame Month, and the Chryftalline was eafily depreffed. But fuch was the Disposition of the Cataract, that it role up a third Time, but in fo shaking and wasted a Condition, as to promife a Speedy Difappearance. However, the Patient remaining diffatisfied, and unwilling to return Home upon a bare Probability of its wafting away; I was prevailed upon to perform the Operation a fourth Time. Тнв

THE Cataract immediately fubfided upon the flightest Touch of the Needle, and did not appear again.

THE Patient was capable of reading, and and writing, with the Affiftance of a Convexglafs, in a Fortnight after this Operation; and now fees well enough to follow his Profession of Surgery and Pharmacy. It is remarkable that there was hardly any Inflammation or Pain, in confequence of either of these Operations.

WHEN he first began to look at a Candle, or any other fingle Object, it appeared to him multiplied; and when he first read, he conceived of Letters as remaining imprinted upon the Bottom of the Eye for fome Hours afterwards, but by a little use these *Phænomena* were quite removed.

REMARK.

FROM this Example it appears, how difficult it is to remove the *Cataract* effectually, when complicated with an adhesion of it to the Iris: and again, how warrantable it may be to repeat the Operation with a Probability of Success, in such Cases as are attended with the like favourable Circumstances.

I H.E

I a fourth Time.

IF the Chrystalline had been totally removed by Extraction, these Returns of the Disease could not have happened. But I am inclined to think, that if it had been attempted by opening the Cornea, the Operation would not probably have terminated so happily; fince the vitreous Humour must in all likelihood have been wholly, or in a great part discharged, in endeavouring at a Removal of the Chrystalline.

INSTANCES of which I have known to occur, attended with fuch circumftances, as to render a fecond Operation impracticable. So that however fuccefsful this method of Operating may have proved in *Cataracts*, that are quite free from adhefion ; yet I think the Operation is not likely to be attended with equal benefit, when they are otherwife circumftanced.

MONSIEUR Daviel's own Accounts of the Success attending his method of opening the Cornea, and extracting the Chrystalline, are so very extraordinary, as almost to exceed probability; and I cannot help confidering them as partial, when I reflect upon the Accounts given us of the very different Success attending this Operation, when performed by C others

others in nearly the fame Manner, as well as from my own Experience.

18

FROM the refult of those Experiments, which were made upon nineteen Eyes, by M. Morand, M. Poyet, and by M. De la Faye, of which there is a particular Account given in the Memoirs of the Royal Academy of Surgery at Paris, printed in the Year 1753, it appears that the Benefit attending both methods of Operating is fo nearly equal, as to make it uncertain which of the two is attended with the greatest Success: So that, in all probability, both methods of Operating may be found to have their Advantages in particular Cases.

SINCE I have taken the Liberty of making fome Remarks upon M. Daviel's own Account, of the great Succefs attending his Method of the Removal of Cataracts, by extracting the Chry/talline Humours; perhaps it will not be unacceptable, fhould I make fuch an Abstract from his own Memoir, as immediately relates to this particular, and the Manner of his performing these Operations; and upon prefumption of meeting with this Indulgence, I have added a second Abstract relating to the Event of those several Operations which were performed by M. Morand, M. Poyet, and M. De la Faye.

A short Abstract from the Memoirs of the Royal Academy of Surgery at Paris, of an Account of the Operations of the Cataract, for the Extraction of the Chrystalline, done by Monsheur Poyet, before the Commission of the Academy, as drawn up by Messieurs Morand, and Verdier.

THE Academy has observed with Pleasure, the Eagerness which has been shewn to make the Operation for the Cataract more simple and perfect, by extracting the Chrystalline, which has been successfully practised by M. Daviel, who has himself given an Account of this method, Page 337. See Acad. Royal of Surg. at Paris, printed Anno. 1753. Several Perfons have invented an Instrument, and almost at the same Time, with which the Cornea might be divided in such a Manner as to make one Instrument only necessary.

MONSIEUR Poyet, formerly Surgeon of the Hôtel Dieu, and lately appointed Surgeon of La Charité, hath prefented one of his own Invention. A little Time afterwards, Mr. Sharp of London, fent to M. Morand the Defign of another Inftrument, which he had exhibited to the Royal Society.

C 2

MONSIEUR

19

MONSIEUR Poyet has already made fome Experiments upon dead bodies with his Inftrument, before the Commiffaries nam'd by the Academy for that Purpofe; they report that it appear'd to them to have fucceeded particularly well. M. Morand, from that time, engaged to ask Leave of the Governors of the Hofpital of Invalids, for M. Poyet and M. La Faye, to operate, which they confented to, out of regard to the great Zeal, which the Surgeons of Paris fhew for their Art.

MONSIEUR Morand affembled nineteen People difeas'd with proper Cataracts, who were prepar'd for the Operation; and on June the 1 Ith, 1753, they were all operated upon, one after another. Six of the Operations were perform'd by M. Morand, Six by M. La Faye, and Seven by M. Poyet, of which take the following Account. M. Morand endeavour'd depress the Cataract of M. Vallot, an to Officer, aged 65 Years, but from fome unaccountable Accident it escaped from its Bed, upon being touch'd with the Needle, and was ready to pass into the anterior Chamber of the Eye. Upon which, M. Morand recommended the Patient to M. Poyet, as a favourable Opportunity of trying his Operation, which M. Poyet accepted

accepted of. When the Cornea was fufficiently divided, the Chrystalline immediately follow'd without any preffure at all, and no Accident happened. The Cicatrix of the Cornea appear'd firm on the eighth Day. The Patient was visited by the Commission on July 11, and 25, when he declar'd he could not diftinguish Objects. Upon Examination, it was found he had a Gutta Serena; and befides this, a second Cataract was form'd by a thickening of the Membrane which invests the Bed of the vitreous Humour.

John Baptist Roux, aged 65, was operated upon next by M. Poyet; after the Cornea was divided, the Chrystalline fell out upon the Eye being gently prefs'd; the Patient had only a flight Inflammation of the Conjunctiva; he was visited by the Commission on July the 1 rth, and could diftinguish Objects. He was visited again on July 25, and could only see Day-light; his Eye was attack'd with an Inflammation; upon the Whole, he set but little.

Peter Mercier, aged 64, was next operated upon, by M. Poyet, he had no bad Symptoms after the Operation: he fees very well. The Pupil has chang'd its Figure, and is not quite round. C 3 Francis

Francis Riviere, aged 56, was operated upon next, the Cornea of his right Eye was opened by M. Poyet; the Cornea of his left was opened by M. La Faye; he has had no accident in the right, but has fuffered greatly in the left Eye; he can fee Light, but cannot diftinguish Objects.

Julien Le Gendre, aged 70, had his Cornea opened by M. Poyet; he has had no accident; the Pupil has chang'd its shape, and he can distinguish Colours.

Claude Boucher, aged 72, had both his Eyes very much funk, and his Eye-lids a little cleft: The Section of the Cornea of the right Eye was a little too fmall, by which means M. Poyet was oblig'd to prefs the Eye a little more than ufual, to fqueeze out the Chryftalline. A confiderable Inflammation fucceeded this Operation, which was followed with a Suppuration of the whole Globe of the Eye, and the Patient does not fee at all. The left Eye had no Accident; the Patient fees indifferently well.

SUCH was the State of M. Poyet's Patients on July the 25th, which was fix Weeks after the Operations.

.bauer ou Ir

It now remains for us to tell his Opinion upon fome Points, and compare his Operations with the others. M. Poyet thinks the Inftrument for cutting the Cornea, ought to be ftraight like his own; he pretends that the Iris is by that means lefs liable to be wounded, and that the Section of the Cornea made with an Inftrument a little Convex, becomes more difficult.

Mr. Sharp's Inftrument is alfo ftraight, M. La Faye's Inftrument is a little curv'd on the fore part of its Blade. But we have not been able to diffinguifh any difference in their advantages; they each of them had one Patient whofe Iris was a little wounded.

MONSIEUR Poyet attributes the Inflammation which befel the Eye of one of his Patients, to the Conjunctiva being wounded; but we don't think this a fufficient Reafon to account for it. However, we agree with M. Poyet, that the Cornea fhould be divided two thirds of its Circumference to facilitate the Exit of the Chrystalline, if it prefents itfelf readily; or to be able by this means to cut with eafe the Capfula of the Chrystalline, if it adheres too much to its Bed. We don't think that the Imposthumations which happened to the Eye C 4 operate

operated upon by M. La Faye, and to that operated upon by M. Poyet, are to be attributed to their Inftruments. These Accidents have happened to M. Daviel; nor do we think these Accidents peculiar to the Operation of the Cataract by extraction of the Chrystalline, fince we have seen them happen in the common method of Couching.

IN fine, we will give a fhort Account of the Succefs of these nineteen Operations which have been successively perform'd.

O F the fix Cataracts couch'd by M. Morand, in the common Method, three have fucceeded, and the Patients fee very well; three of the Cataracts are rifen again.

OF the Six which M. La Faye has operated upon by extracting the Cataract, there are two that fee well, two who fee not fo well, and two who do not fee at all.

Of the Seven operated upon by M. Poyet, two of them fee well, two not fo well, one fees Day-light, two do not fee at all.

THIS is a true Account of the Proceedings and Succefs of the Operations; but we are not anfwerable for any Accidents which may have happened fince our last Examination, as they would be foreign to the Operation. *Abstract*

Abstract from the Memoirs of the Royal Academy of Surgery at Paris, publish'd Anno. 1753.

IN Page 338, M. Daviel diftinguishes Cataracts into two Species only; one he calls the true Cataract, or that of a good kind; the other he calls the false Cataract, or that of a bad kind, when it is accompanied with other Diseases. He fays, it is not the Colour of the Cataract which determines the good Species, but other Circumstances, fuch as the Motion of the Pupil of the Eye, and the Ability of diftinguishing Day from Night. MONSIEUR Daviel fays, he receiv'd the first hint of this Operation from an Accident, which happened to him in couching the common way; the Chrystalline was broken into Pieces, and escap'd into the anterior Chamber of the Eye. This determin'd him to open the Cornea transparens to empty the anterior Chamber, after which, the Pupil appear'd clear, and he could diftinguish Objects; but in ten Days after the Operation, there enfued an Inflammation and suppuration of the Eye, which he attributed entirely to the Violence done to the vitreous Humour, and to the inner Mem-

Membranes of the Eye in his first Attempt; this made him determine not to proceed for the future in the fame Method, but to begin with opening the Cornea, and afterwards to introduce a fmall Spatula into the anterior Chamber of the Eye, and to diflodge the Chrystalline from its Bed; which he did upon a Woman, and she was cur'd in fifteen Days.

THE event of this Operation induc'd him to try it upon four more, which he did with Succefs. But (fays he) there appear'd to me to be still many things wanting to perfect this Method. After these four, he tried the fame Method upon feveral others, but not with equal Benefit. From this time he thought proper to try a new Method of Operating. The preceding Operations had been perform'd by three Instruments, viz. a curved Needle, a Pair of crooked Sciffars, and a fmall Spatula. But he now undertook the Operation with two Inftruments only, one like a fmall Biftory, with which he opened the Sclerotica: Afterwards he introduced a fmall Spatula through the fame opening into the Eye, betwixt the posterior Part of the Iris, and the Chrystalline Humour, and by this means eafily deprefs'd the Cataract.

A

A GREAT many Operations of this kind being attended with Success, as many emient Surgeons (he fays) can teftify, he thought or fome time this method preferable to any ther. He put in Practice all the different Methods of Operating, and with all the lifferent Instruments : But he found upon the vhole, that when the vitreous Humour, and he feveral Membranes that are fituated behind he Iris, are difturb'd by the Needle, there ery often fucceeded Inflammations and Supurations of the Eye, and fometimes an Atrophy of the Globe, with other Accidents. In which account he at length dropp'd this nethod, and determin'd for the future to Opeate by opening the Cornea, as he had done at urft.

IN the following Manner, he fays, he has reformed two hundred and fix Operations, ut of which, one hundred and eighty two ave fucceeded.

It is of no Confequence (he observes) of what kind the *Cataracts* are, whether soft, ard, of long standing, or of different Colours. The Operation will succeed equally well, if he Eyes be sound in other respects, because he principal Intention of his Operation is the Ex-

Extraction of the Chrystalline, which is eafily effected by these means. The Instruments he employs are a curv'd Needle with a sharp Point, and Sides like a Launcet; a blunt pointed curv'd Needle, with fharp fides; a Pair of crooked Convex Sciffars; a fmall Spatula of Gold, Silver, or Steel a little curv'd, to lift up the Cornea with, another fmall pointed Needle, which cuts on both fides to open the Capfula of the Chrystalline Humour; a small Golden, Silver, or Steel Curette to facilitate the Issue of the Chrystalline, or to draw out the remaining Fragments when they flick to the Edge of the Pupil; and befides these, a small Pair of Pincers to take out any pieces of the Capfula of the Chrystalline. The Method of his Operating is this; he places the Patient opposite to him, upon a Seat of a convenient height, and covering one Eye with a Bandage, the upper Eye-lid of the other is help up by an Affistant plac'd behind the Patient, and the under Eye-lid is held down by the Operator, who places his Elbow upon his Knee by way of support to his Arm; then he plunges the first Instrument like a Launcet into the Bottom of the Cornea, near the Sclerotica, and thrufts it a little above the Pupil, taking

aking care not to wound the Iris; this being lone, he withdraws this Instrument; then inroduces the blunt pointed Needle, with which ne enlarges the Incifion by cutting on each ide still more; as the Cornea is now grown laccid, he makes use of a Pair of curved Convex Sciffars, with which he enlarges the Wound on each fide still more, till the Corsea is divided near three Parts round; then ie introduces a small Spatula into the Wound, with which he lifts up the Cornea, and afterwards proceeds to wound the Capfula of the Thrystalline with a sharp small couching Needle. Sometimes, fays he, this Membrane nust be cut all round in order to bring it in irely out, if it is thickened and wrinkled, or fear it should obstruct the Pupil; when it s is fo cut, it may be extracted with a Pair of Pincers: After having cut the Capfula in this nanner, the Spatula may be introduc'd bewixt the Iris and Chrystalline to detach it rom its Bed, and facilitate its Exit.

THE Cornea is then to be put in its proper fituation again, and at the fame Time the inferior Part of the Globe of the Eye must be cently prefs'd, by which means the Chrystalline nay be fqueez'd out without breaking the pofterior

30

terior Part of the Capfula, which keeps the vitreous Humour in its proper Place. M. Daviel fays, he thinks there are no Inconveniencies attending this method of Operating, but what may with care be avoided; and it has this great Advantage over others, that the Cataract can never rife again.

The Manner of performing the Operation of extracting the Cataract with one Instrument only, by Mr. Warner.

THE Manner in which I perform the Operation is this.

THE Patient being feated in a Chair of a convenient height, with a low Back, I feat myfelf exactly opposite to him in another Chair of an equal height; this being done, an Affistant stands behind the Patient, who places his right Hand under the Chin, after having first cover'd the right Eye with an Handkerchief, and pulling his Head back against his Breast, he directs his Face upwards to prevent the Discharge of the vitreous Humour, and to keep him steady. The fame Afsistant lists up the superior Eye-lid with the fore and middle Finger of his left Hand;

Hand, taking great Care not to prefs the Globe of the Eye above. I then deprefs the inferior Eye-lid with the fore and middle Finger of my left Hand; at the fame Time taking notice not to prefs the Globe of the Eye below.

THE Patient is directed to keep his Eye is fleady as poffible, looking with it ftraight forwards, and a little upwards. I then plunge the Knife fuddenly into the Globe of the Eye on its external Part near the Circumfeence of the Cornea, and opposite to the Center of the Pupil, directing it forwards betwixt the Iris and the Cornea, till its Point comes out m the opposite Side; by this means, the Cornea becomes at least half divided in its cirsumference. The Knife being kept in the Eye the whole Time, must be gently drawn backwards, and its Point carefully introduc'd hrough the Pupil, with which the Capfula of he Chrystalline Humour is divided. Immeliately after the Division of this Membrane, I refs the Globe of the Eye gently upwards with the fore and middle Finger, which have peen hitherto kept upon the inferior Eyeid, and by this means fqueeze out the Chryfalline Humour through the Wound; the Knife being still retain'd in the anterior Chamber

ber of the Eye, the Cornea becomes a little elevated, and the Exit of the Cataract is or this Account faciliated.

I LOOK upon the Division of the Capful of the Catarast to be of great Consequence in many Instances, fince this Membrane becomes fometimes so tough and thickened, as to make a very considerable resistance to the Pressure in which Cafe, a great part, or the whole of the vitreous Humour is discharg'd, and the Catarast sometimes remains behind, which will not admit of a second Attempt to an Operation.

BUT it fometimes happens, that the Cataract immediately follows the Division of the Cornea, without making any external Preffure upon the Globe, owing probably to the involuntary Contraction of the Muscles of the Globe, which draw the Eye inwards, and compress it on ev'ry fide.

THIS Operation cannot be properly perform'd, but upon fuch as have the Power of keeping their Eyes from rolling about.

THE Speculum Oculi must never be made use of in this Operation, fince the Compresfion from the Instrument has been found to be so great, as to squeeze out the whole of the

the vitreous Humour, even before the Operator could make the Wound fufficiently large through the Cornea, for the Expulsion of the Chrystalline Humour.

I T very often happens that a Part of the vitreous Humour is difcharg'd in the moft fuccefsful Operation; but I have never known it happen otherwife in fuch Cafes than to be foon reftor'd, and the Eye to refume its natural Figure, by being replenish'd either with a fresh supply of the vitreous or aqueous Humour, or both.

THE Inflammation fucceeding this Operation is generally very confiderable; but neither that, nor the Operation, feems to be very painful. It is generally feveral Weeks after the Operation, before the Inflammation of the Eye is difpers'd.

DURING this State, it should be treated with emollient Fomentations, and cooling Ointments, and the Patient's body kept open. IF the Cornea of the right Eye is to be divided, the Operator places himself in the same Situation as has been already directed, supposing he has a Power of using his left Hand to Advantage; but if he has not a sufficient command of his left Hand, he must stand be-D

hind the Patient, and, after having lifted up the fuperior Eye-lid, ufe his right Hand; his Affiftant at the fame time ftanding before the Patient, and holding down the under Eye-lid with the fame precautions already given.

WHEN the Cornea is divided, and the Capfula of the Cataract wounded, the Affiftant must prefs gently upon the inferior Part of the Globe of the Eye, and fqueeze out the Cataract.

THE Knife to be made use of in this Cafe, is exactly like that which is us'd in the Performance of the Operation of cutting the Iris, only that it must be about three times as broad, and about twice as thick.

EXCICE SARCE RAME WORKE DEDES

CASE V.

Of an extraordinary Tumour in the right Orbit of the Eye.

R. S. aged 42, had a large fchirrous Tumour formed in the fuperior Part of the Orbit, which had been growing feven Years, and was now become fo large as to push the Globe of

of the Eye confiderably downwards, and out of its Socket. It appeared at first in the Shape of a fmall moveable Swelling, which took its rife under the upper Eye-lid.

THE Tumour increased gradually, and without Pain for the the four first Years. For the three last Years it became very troublefome, and full of Pain, which extended to the whole of that Side of the Head.

THE Sight of the Eye became impaired in proportion to the increase of the Tumour.

ON the 30th of *March*, 1749, he was admitted in the Hospital, and in ten Days afterwards it was cut out.

THE Tumour was found to extend itfelf from the outer Corner of the Eye, to within a very little of the inner Corner, and quite to the Bottom of the Socket. The Operation was difficult, and attended with confiderable Pain, which continued for feveral Days, foon after which he became perfectly eafy. During the Cure, there was a large Difcharge from the Wound; in about eight Weeks the Wound was healed, and he continued perfectly eafy. His Sight was much the fame, as before the Operation.

CASE

REMARK.

WHEN the Eye is thrust out of the Orbit by a fubjacent Tumour, the Tumour frequently takes its rife from the Brain itself; which Circumstance renders the Operation impracticable. Sometimes the Tumour, though it arifes within the Orbit, is of a cancerous Nature, and affecting all the Contents of the Orbit, renders the absolute Removal of it impossible. These Circumstances have brought the Operation into Distrepute. But there may be a Species of schirrous Tumour within the Orbit, where the Operation may be attended with Success.

NOTWITHSTANDING, that after the Cure in the preceding Inftance, the Eye remained in the Pofition it was before the Operation, and with the fame Imperfection of Sight (from probably the Compression which the optic Nerve had fustained) yet the Patient being free from Pain, and in every other respect perfectly well, was fufficiently recompensed for the Pain of the Operation.



CASE

COLICECTURE CURED COLOCI

CASE VI.

Of an uncommon Tumour upon the Roof of the Mouth.

A. B. aged 40, had a Tumour formed upon the Roof of his Mouth, which at length had arrived to fo great a Size, as to prevent his feeding upon any thing but Liquids. The Tumour had been growing about feven Years, and at length poffeffed the whole Roof of the He came to London, in June 1747, Mouth. and was admitted into the Hofpital under my Care. In confideration of the foregoing Circumstances, and the Improbability of procuring Relief by any other methods, it was recommended to him to have it cut out; but at the fame Time the Operation was judged hazardous from the Hæmorrhage that might probably arife from it, and the Difficulty of ftopping it, as had happened fometime ago in a fimilar Cafe; but as no other Methods could be thought on for his Relief, I undertook the Operation, and performed it in the following Manner.

D 3

THE

THE Patient being properly feated, and fecured, a piece of Wood was placed betwixt the Teeth on the left Side of his Mouth; and a curved Knife, fuch as Gardeners make use of in pruning Trees, was conveyed to the posterior Part of the Tumour, with which I effectually feparated the Tumour from its Basis. The Hæmorrhage that ensued upon the Operation was fo trifling, as to require no Pains in stopping it. But in a few Hours afterwards, a confiderable Artery burft out, which bled freely, and could not be reftrained by preffure, or other gentle means. Seeing this, and confidering the Impoffibility of using the Needle and Ligature to Advantage, I had recourse to the actual Cautery, which answered the End, and the Patient was perfectly cured in three Weeks, without farther trouble.

UPON opening the Tumour it was found to confift of a firm cartilaginous Substance mixed with long boney Particles.

REMARK.

THE actual Cautery is hardly ever made use of in *England* by Surgeons of the present Age, to stop bleedings. The crooked Needle and Ligature are for many Reasons justly preserr'd

to

39

to it. But neverthelefs, there are fome Inftances where the actual Cautery may be found neceffary, as the preceding Cafe undoubtedly proved.

HARDEN CENTRE CENTRE CONSIGNATION

CASE VII.

Of an encysted Tumour situated upon the forepart of the Neck, successfully extirpated.

A. B. A Girl of about 14 Years of Age, had a Tumour formed upon the Forepart of her Neck, immediately beneath, and on the left Side of the thyroid Cartilage; the Tumour had been growing about four Years, and was at length become fo troublefome from its Situation and Size, as to occafion a Difficulty in breathing, and a total Inability of fwallowing any thing but Liquids. It was of the encyfted Kind, and composed of a Quantity of Fluid. Its Situation was betwixt the aspera Arteria and the Æsophagus, as appeared in the Operation. It was cut out, and the Patient did well in a few Weeks. But on Account of its deep Situation, only a Part of the D 4 Cyft

40

• Cyft was diffected out, the reft of it came away in a few Days afterwards with the Dreffings. The Patient, fince the Operation, has been free from any Inconvenience in breathing, or fwallowing; and is otherwife perfectly well.

REMARK.

THERE is a Species of Tumour fometimes formed betwixt the Aspera Arteria and the Æsophagus, which from its schirrous Nature, extent of its Bass, and deep Situation, renders all Attempts to Extirpation unadviseable. An Instance of which, Tulpius has given us in the 44th Chapter of his sirft Book of Observations.

A CASE fimilar to that, I was confulted about fome time ago, in a Man 55 Years of Age. The Tumour increafed fo faft, as to deftroy him in a few Months. But where the Tumour is differently circumftanced, both as to its Nature and Contents, the Operation may be advifeable, as the preceding Inftance undoubtedly proves. The Succefs of which fufficiently warranted the Undertaking.

CASE

4I

MUTCHERS & SF3FERSTORS

CASE VIII.

Of a Steatoma, possessing the greatest part of the Neck on one Side, successfully extirpated.

S. G. aged 45, had a large Tumour on the right Side of her Neck, which had been growing for twenty Years. It was much larger at its Bafis, than at any other Part, and extended from the right mastoid Process, to the Clavicle on the fame Side; and from all the Vertebræ of the Neck to the mastoid Muscle, under which a Part of it was fituated. The Tumour was not attended with Pain, but had of late become fo infupportable from its fize, as to render her incapable of Service. Under these Circumstance, she applied to me. I faw no Objection to the Operation, and accordingly advifed it, which was complied with. There was no extraordinary Circumflance or Difficulty attending the Operation, but that it required fome care and nicety in Diffecting out that Part of the Tumour which lay under the maftoid Muscle upon the internal

ternal Jugular Vein, and carotid Artery. There was but one Veffel which required tying, (a Circumstance very uncommon in a Swelling of this Size, which weighed near four pounds.)

In the Operation, all that part of the Trapezius Muscle covering the back Part of the Neck, was laid bare. The whole of the Platysma Myoides was taken away with the Tumour, and the Coracobyoidæus Muscle appeared in view. After the Tumour was removed, and the Hæmorrhage stopp'd, I passed the Needle and Ligature twice through the Integuments, in a transferse Direction, to prevent their Retraction; by which means I hoped the Cure might be hastened. This seemed to have the defired Effect, and the Wound was perfectly healed in fix Weeks.

REMARK.

IN all fleatomatous Tumours, it is abfolutely neceffary to remove the whole in the Operation, if possible; and not trust to the Effects of Dreffings, for the Removal of any part that is left behind.

I HAVE known an Instance, where, by trusting to this Method, it has been found necessary to repeat the Operation, which feldom fails to bring a Reflection upon the Surgeon.

I

I ONCE knew an Inftance of this Kind in the Cafe of a Steatoma, which grew in the inner Corner of the Eye. Its Bafis was fituated upon the Lachrymal Sac; which, it was apprehended, there was a Danger of wounding with the Knife. On this Account, a very fmall Share of the Tumour was left behind. This in a few Months afterwards, arrived to the Size of the former Swelling, and required a Repetition of the Operation, which was then effectually executed, as I had an opportunity of informing myfelf fome Years afterwards.

E SHE E FUR SOR DIE VOUS AND SOR SHE SHE

CASE IX.

Of an incurable Disease of the Æsophagus.

I HAVE already given an Inftance of a difficulty in Swallowing, which arofe from a Preffure made upon the *Æfophagus*, by a confiderable Tumour that appeared externally upon the Throat; and obferved that the Patient was cured in confequence of its Extirpation. I took notice likewife, that fome of

of these Tumours arising in the neighbouring Parts, are not to be relieved by Operation, or account of their great Extent, &c.

BESIDES the incurable Tumours to which thefe parts are liable; there is another Specie of Difeafe, which feems equally dreadful in it confequences, and incapable of being relieved by Phyfick or Surgery. This Difeafe is bu too common, though not to my knowledge as yet defcribed by Writers.

IN July, 1752, F. L. a young Woman aged 25, was admitted into Guy's Hofpital and put under the Care of the Phyfician, or account of a Difficulty in Swallowing, with which she had been afflicted for some Months She had made use of all the Means that could be thought of in Physick for her Relief, but to no purpose.

THERE was nothing appeared outwardly that could lead to the Discovery of the Malady, but she complained of a particular Tightnefs in Swallowing, just below the back part of the cricoid Cartilage. The Part affected was fituated too low to be looked into, but it was easily discovered by conveying down the Throat a bit of Spunge fastened upon Whalebone, and dipt in Sweet-Oyl; which, though very

very fmall, could not be made to pass beyond it. She at length became incapable of taking any nourishment, and died soon after.

I OPENED the Neck after her Death, and inquired minutely whether I could difcover any Swelling behind the *Æfophagus*, or betwixt that, and the *Afpera Arteria*; but there was nothing of this Nature that could be feen.

UPON taking out the *Æfophagus*, it appeared confiderably thicken'd about an Inch in length, just beneath the *cricoid Cartilage*.

UPON opening the *Æfophagus* length-ways, its Coats appeared fo contracted in the difeafed Part, as to be only just capable of admitting a Paffage to a common Probe. The internal Coat of the *Æfophagus* was in part ulcerated, and befmeared with Matter.

THE Larynx, Aspera Arteria, &c. appeared found and well.

REMARK.

I A M afraid that this remarkable Cafe is one, amongst the many in Physick and Surgery, hat could not possibly have been prevented, or even relieved, if its Nature had been orisinally known; and that this Observation only tends

tends to prove, what must unavoidably be the Fate in other Diseases of the like Nature.

HOWEVER, as it is always a Satisfaction to the Surgeon, and implies Judgment in him to be able to prognofticate with fome Degree of certainty, what may probably be the Event of a future Difeafe of the like Kind, and by this means prevent the Administring of many ufeles Applications; for these Reasons, this Observation may not probably be esteemed altogether useles.

ACQXEXENTER DE LE DEL DE LE DE

CASE X.

Of a Tumour Situated upon the Forehead.

WHEN a Tumour, Excrefcence, or any preternatural Appearance is born with Children; the *Phænomenon* is generally diftinguifhed by the Name of a Mark, and attributed to fome particular Defire of the Mother during Pregnancy. There are fome of the which are Tumours of the encyfted Kind and though at first they appear inconfiderable yet it frequently happens that they do not remain

main long in this State, but by gradually increafing, at length arrive to a confiderable Size, proving troublefome, and unfeemly from their Situation and Appearance: To prevent which, it is generally advifeable to remove the Tumour when fmall; by which means much Pain is prevented, and the Scar arifing from the Wound becomes inconfiderable.

I was confulted fome Years fince in the Cafe of a Child near a Year old, who was born with a Tumour of a Claret Colour upon the Face; it was at first no bigger than a common Pea, but before she had arrived to this Age, the Tumour was increased to the Size of a Wallnut.

IT was judged adviseable to have it cut out, which was done, and the Patient was cured in a little Time.

ACONTRACTORIDATION ACCOUNTING TO A CONTRACTORI

CASE XI.

Of a Tumour situated upon the Occiput.

[N the Year 1750, I was confulted in the Cafe of a Child, near two Years old, who had a Tumour fituated upon the Os Occipitis. The

The Tumour was as large as a Turkey's Egg, and appeared filled with a transparent Fluid. It arose from the back Part of the Brain, which was easily discovered, by examining the Basis of the Tumour. There was a Defect of almost the Whole of the Os Occipitis. The Child was lusty and strong, and had no visible Disease in its Limbs. I advised nothing, but to defend the Tumour from external Accidents; but the Parents being dislatissied with my Advice, confulted another Surgeon, who advised the Extirpation of it, which he did, and the Patient died in a few Days afterwards.

REMARK.

THIS is a Species of encyfted Tumour which is fometimes feated upon the Vertebræ of the Loins, fometimes upon the Vertebræ of the Back, and at other times upon thofe of the Neck, Os Sacrum, or betwixt the Sutures of the Scull; all of which I had feen before. But I had never before now, feen an Inftance of a Tumour of this Kind upon the Os Occipitis. Thefe Tumours are to be diftinguished from all others by their Rife, Situation, the Circumstance of their being always born with the Subject, who is generally

49

generally afflicted with a partial Palfey; and by their Contents, which are Fluid, and commonly transparent.

THEY take their rife from the Brain, or fpinal Marrow, where there is a vifible Defect of the Bone; which from the Circumftance of the Spine being divided, or rather defective in it its proceffes, in that particular part, has given them the Name of Spinæ Bifidæ.

THE opening of these Tumours by Incision, or taking them off by Ligature, has been always found to be fatal; as observed by *Tulpius*, in the 29th and 30th Chapter of the 3d Book of his Observations; and by Ruysch, in his 34th, 35th, and 36th Observations. Ruysch observes, that Children thus afflicted, seldom live to fifteen Months old: but I knew an Instance of a young Man of twenty Years old, who had one of these Tumours upon his Loins. He was healthy, but had laboured under a Paralysis of his Legs from his Infancy; but not so bad a one, as to disable him from walking.

FROM this Observation I would infer, that t is always unadviseable to attempt the Extirpation, or opening of these Tumours; which E piece

piece of Advice has been peremptorily delivered by Tulpius, in the following Words. Cave Sis improvide unquam aperias, Quod tam facile occidit hominem. N. B. Ruysch has given us a Cafe like this in his 52d Observation.

THE CHERT CONTRACTOR CAN BE AND THE

CASE XII.

Of an extraordinary Disease of the humeral Artery.

WHEN a Bone, and its neighbouring Tendons and Ligaments are affected with Inflamation, Caries, &c. The Difeafe may fometimes extend itfelf farther, fo as to affect the neighbouring Veffels; or it may probably happen, that the Difeafes of these particular Parts may fometimes proceed from a previous affection of those very neighbouring Veffels, from which they receive their nourishment and growth.

C. D. was afflicted with a Caries of the Joint of the Elbow, which was attended with fuch Circumstances as rendered the Amputation of the Limb necessary. The Operation was performed at

at a proper Diffance above the difeafed Part, and the Veffels were taken up by the Needle and Ligatures.

IN a few Days after the Operation, the humeral Artery became fo dilated above the Ligature, as to endanger its burfting. Upon this Account, it was judged neceffary to perform the Operation for the Aneurysm, which was done, and the Veffel fecured by Ligature above the upper Extremity of its diftended Coats. After this, every thing went on feemingly well for fome time, when fuddenly the Artery appeared again dilated, and in Danger of burfting above the fecond Ligature. These Circumstances made it necessary to repeat the Operation for the Aneurysm; from this time every thing went on fuccessfully, till the Stump was at the Point of being healed; when, quite unexpectedly, the Artery appeared a third Time difsafed in the fame Manner as before; for which Reason a third Operation for the Aneurysm was determined upon, and performed.

THE last Operation was near to the Axilla, and the Patient continued well from this time without any Relapse.

Query. Could the feveral Aneuryfms of the numeral Artery be attributed to the fudden E 2 Check

Check alone, which the Blood met with from its Extremity being fecured by Ligature; or is it not more reafonable to fuppofe, that the Coats of the Artery, nearly as high up as the Axilla, were originally difeafed and weakened? The latter feems the most reafonable way of accounting for these fucceffive Returns of the Difeafe of the Veffel; fince it is found from Experience, that fuch Accidents have been very rarely known to occur after Amputations, either of the Arm, or Thigh, where nearly the fame Refistance must be made to the Circulation in every Subject of an equal Age and Vigour, who has undergone the fame Operation.

IF it should be supposed that the several Dilatations of the Coats of the Vessels arose merely from the Check in the Circulation; it will not be easy to account for the final Success of this Operation; and especially when we reflect, that the Force of the Blood is increased in proportion to its nearness to the Heart.

THE Nourishment of the Stump may be accounted for, from the Ramifications arifing from the principal Trunk about the Axilla, which becoming dilated, in proportion to the Refistance the Blood meets with in its passage through the humeral Artery, were found sufficiently

ficiently numerous and large to convey a proper Supply to the Parts beneath.

THIS Species of Aneuryfm I have been defcribing, is diffinguished by the Name of the true Aneursym, and is a Disease which frequently happens to the *Curvature* of the *Aorta*, extending sometimes to both fides the Neck, fometimes producing convulsive Fits, and admits of no other than a palliative Relief.

COMPONICE AND COMPINE

CASE XIII.

Of an Aneurysm of the humeral Artery.

H. M. aged 37, was admitted into the Hofpital in July 1753, with a Difeafe of the right Arm, which upon inquiry was found to be greatly fwelled and enlarged. The Tumour extended from a little above the bending of the Elbow, to pretty near the middle of the Cubit; and appeared fomewhat difcoloured, and pointed on its fuperior part. Upon preffing the Tumour, I difcovered a Fluctuation, but there was not the leaft perceivable Pulfation. He informed me of his having been E 3 blooded

54

blooded in the Bafilic Vein about 13 Months ago, that he felt confiderable Pain from the Operation, and that the Blood was difcharged through the Orifice by leaps. Immediately after being blooded, he perceived a fmall Tumour to arife in the Neighbourhood of the Orifice, which in a Week's time arrived to the Size of an Egg, and continued to increafe gradually for nine Months. For a few Weeks after the Accident, the Limb was difcoloured from the Shoulder to the Wrift, owing, without doubt, to the confinement of the extravafated Blood. He had confiderable Pain for the firft three Months.

THE Operation was determined upon, and performed in the following Manner. The Tourniquet being fixed upon the humeral Artery, and the Arm disposed in a proper Situation, and firmly secur'd.

An Incifion was begun at the upper Extremity of the most prominent Part of the Tumour, and continued downwards about three Inches, directing the Knife in fuch a Manner as to deferibe the half of an Oval; then a fecond Incifion was made on the opposite Side in the fame Manner; by which means an oval Piece of the Integuments was cut out. Upon their removal,

removal, the Contents of the Tumour were difcharg'd. It confifted of a large Ball of coagulated Blood of a fibrous Texture contained in a thick Cyft, which appeared like the Coats of a Vein. Upon flackening the Tourniquet, the Wound of the Artery appeared circular, and its Coats were discoloured, and thickened at least an Inch above its Division. A crooked Needle with a Ligature was paffed under the Artery above the difeafed Part, and tied upon it, &c. A fecond Ligature was made upon the Artery below its Orifice, which should always be done to prevent the risk of an Hæmorrhage from this Part; fince it has been found that by neglecting to do this, a confiderable Discharge of Blood has ensued some Days after the Operation, and the Patient's Life been brought into imminent Danger by a Reflux of Blood from the neighbouring Anastomoses. After the Operation, the Wound was dreffed in the common manner, and the Patient removed to bed.

IMMEDIATELY upon tying the Artery, he complained of a Numbness in his Fingers, and no Pulsation could be discovered in his Wrist; but in half an Hour after the Operation, a very regular Pulsation appeared, and his Numbness began to go off. FROM

FROM this time he went on very well for feveral Weeks, but was at length feized with general Convultions, attended with the Symptom of a locked Jaw, which killed him.

REMARK.

As a Pulfation in the Part is one of the principal Characteristics, by which an aneuryfmal Tumour is diftinguished from a Tumour proceeding from any other Caufe; the want of it in the preceding Cafe may be accounted for, from confidering the Diftance which the Artery was at from the Integuments, occafioned by the Quantity of extravafated Blood which lay upon the wounded Veffel; and again, there could be no room to doubt of the Nature of the Difeafe, as the original Symptoms were a fufficient Proof of its certainty. The want of Pulfation in this Instance is not peculiar, fince by the fucceeding Cafes it will appear, that they were likewife attended with the fame Circumstances, partly from the fame Caule, and partly from the deep Situation of the Veffel under the Gastrocnemii Muscles, which rendered their Pulfations equally imperceptible.

Тн E Circumstance of a locked Jaw is no very uncommon Symptom; it sometimes comes

comes gradually on after a Wound, a Fracture of a Bone, Diflocation, or in Confequence of the Stricture made upon the Arteries, and their neighbouring Parts by Ligatures; at other times this Symptom happens on a fudden, and is generally the Fore-runner of a fpeedy Diffolution. But there are Inftances where thefe Symptoms have been effectually removed by large Blifters applied to the whole of the back part and Sides of the Neck.

Two Inftances of which fuccefs, I remember to have feen within thefe few Years. It is generally advifed upon undertaking an Operation of this kind upon the Arm, to have the Amputating Inftruments in readinefs, leaft a Mortification fhould enfue upon the Parts beneath the Ligatures, in confequence of an Obftruction arifing in the Veffels. But notwithftanding this is a Circumftance which may poffibly happen, yet I muft own, amongft the feveral Operations of this Kind which I have performed myfelf, or feen performed by others, I never once knew an Inftance of its turning put fo unfortunately, as to require Amputaion.

CASE

58

EXHIBER AND AND CHARTER AND

CASE XIV.

Of an Aneurysin of the Arteria Tibialis Postica.

J. B. aged 34, the laft Week in April, of the Year 1748, was taken with a Cramp a little below his Ham, which was followed with an immediate fwelling of the Calf of the Leg, attended with exceffive Pain; it continued in much the fame State till the Month of July following, when it began to increase both in Size and Pain.

THE whole Leg was exceedingly tenfe, but there was not the leaft Pulfation to be difcovered.

ON October 15, the Operation for the Aneurysm was attempted.

UPON opening the Tumour, the congealed Blood appeared to have acquired a flefhy Confiftence; and adhered very firmly one Portion of it to another. Upon removing it totally, the *Tibia* and *Fibula* were found carious, and the Orifice of the ruptured Artery appeared juft between the Heads of the *Tibia* and

and Fibula, fo that it was impracticable to tie it, or at least judged unadviseable, confidering the Condition of the Leg.

IT was amputated above-knee on the Spot, and the Patient did well.

UPON opening the Knee, the Os Femoris was affected, and confequently the Artery difeafed above the Part where it appeared to be ruptured. Some Years ago, the Operation for the Aneuryfm was performed in a fimilar Cafe within a few Hours after the Rupture of the Veffel. The Tumour increasing fo fast, and the Pain proving fo intolerable, that it was necessary to loofe no time.

THE Tibialis Postica was burst in the Middle of the Leg, it was taken up with some difficulty, and the Patient recovered.

REMARK.

WHEN we are convinced of the fame Species of Aneuryfm happening to any part where fufficient Preffure cannot be made to reftrain the *Hæmorrbage*; it is generally advifeable to proceed immediately to the Operation, left the neighbouring Parts fhould become fo affected by the Extravafation, as to bring on a Rottenefs, and by that means render the

the Operation impracticable, as happened in the first Instance, where it was found neceffary to part with the Limb to fave Life.

IN the fecond Inftance, it is probable that this was prevented by the timely Affiftance given by the Operation.

IN Aneuryfms of the Arm proceeding from a Wound of the Artery by a Launcet, the Cafes are differently circumftanced; and though it is found in general, neceffary to proceed to Incifion and Ligature for their Cure, on account of the Part having been neglected for fome time after the Accident; yet there are Inftances of Cafes, where, upon timely Application, the Cure has been effected merely by Comprefs and Bandage; which I would recommend to be first of all tried in recent Cafes, and to be continued for three or four Weeks at least, if there is no very good reason to forbid it.

THE Manner in which the Wound of the humeral Artery has appeared, upon Examination after Death, to be cured, is by an intimate Cohefion of the Aponeurofis of the Biceps Muscle, of the Capsula, and of the Wound of the Veffel; and it has been farther observed, that the Orifice made in the Artery (which appeared

appeared circular) has been ftopt up with a Clot of folid Blood, refembling, on its external part, the Head of a Nail; which adhering firmly to the *Cicatrix* of the Integuments, produced a confiderable Callofity.

CASES XV and XVI.

Two remarkable Cafes of Ganglions, where the Operations were performed with Succefs.

GANGLIONS, or Tumours formed upon the tendinous and ligamentous Parts of the Extremities, are a Difease sufficiently known to every Surgeon of Experience, and have been treated of by most Writers under the Head of encysted Tumours.

THE Parts most frequently attacked with this kind of Swelling are the Hands and Feet; but there are Instances of their appearing upon many other parts of the Body; an extraordinary Instance of which I was sometime ago confulted in, that possessed the whole back Part of the Neck.

THESE Tumours fometimes take their rife from a Strain, and at other times they happen

pen without any previous Accident. Unlefs they difperfe of themfelves, or are removed by Art when recent, they frequently increase to a confiderable Size, proving very inconvenient by depriving the Part of its Strength and Motion.

THE Methods prefcribed for their Cure are various, but those which are faid to have been found most effectual, are constant Preffure, and sudden Blows, which may have fometimes succeeded. At other times the Tumour has been known to disappear for a Time only, and at length has returned again, owing without doubt to the Cyst being left behind; which is well known to be frequently the Case in every other Species of encysted Tumour, where the Bag is not sufficiently destroyed in the Operation, or by future Applications.

BUT as the Inftances are fo common, where all Attempts to difperfe them prove ineffectual, and the Parts become difabled both from the Size and Situation of the Tumour, the Surgeon is at length obliged to have recourfe to the Knife, as a radical Cure.

I KNOW there are fome who object to this Operation, on account of the Danger attending

a Wound of the fubjacent Tendon, or Ligament; imagining that fuch an Accident would probably be attended with the worft of Confequences. But this objection can be of no great weight, fince it is always in the Power of a skilful and fleady Operator to avoid this Accident, by cutting away only a Part of the Cyft, and leaving the reft behind to digeft out with the future Dreffings; which it will most certainly do, if the outward Wound be made fufficiently large, as has been already most judiciously and fully explained by Mr. Sharp, in his Chapter of encysted Tumours.

But fuppoling it should happen that the Tendon, or Ligament, or both should be wounded in the Operation, the Confequence will not probably be so bad as is apprehended, fince every Day's Experience proves, that accidental Wounds of these Parts are known to do well with proper Treatment; and, as some proof of the Validity of this Hypothefis, the two following Cases are related. In both of which it was found absolutely necessary to divide a confiderable Ligament, before the Operation could be properly and effectually performed.

1.

A. M. 19 Years of Age, in the Year 1745, ftrained her Wrift by a fall. The Accident was immediately followed with great Pain, a Weaknefs, and Swelling of the whole Hand; which, notwithftanding the proper Methods ufed for her Relief, continued much in the fame State till 1749; when fhe perceived a fmall diftinct Tumour to arife in the inner, and lower part of her Wrift, which in a few Days increafed to fo great a Degree, as to render her incapable of fhutting her Hand, or moving her Fingers.

ON the 21st of April 1750, she applied to me. Upon Examination I discovered a Fluid in the Tumour which extended for about an Inch above the Ligamentum transformatic carpi, to about half an Inch below it, and upon Preffure seemed to pass underneath it.

I DETERMINED upon the Operation, which I performed in the following Manner. Her Hand being properly placed and fecured upon a Table, covered with a double Blanket; I began my Incifion a little above the upper Extent of the Tumour, and continued it to a little beyond its lower Extent, through the Integuments, which I carefully diffected upon each fide. This gave me an Opportunity of difcovering

discovering its exact Situation, which I found to be under the Tendons of the Flexor carpi ulnaris, and Palmaris longus Muscles. Both of which were confiderably lifted up, and removed from their natural Situation, by the fubjacent Tumour. It likewife extended itfelf under the Ligamentum transversale Carpi, which there was a Neceffity of dividing, before I could have an opportunity of diffecting the Tumour from its Bafis. The upper Part of the Cyft was strongly attached to the inferior Parts of the Tendons of the Flexor Carpi ulnaris, and Palmaris longus Muscles. The lower Part of it adhered to the Tendons of the Perforans and Perforatus Muscles; from whence I fairly diffected the Whole away.

THE Contents of the Tumour were a Composition of a gelatinous and steatomatous Substance.

SHE continued in a good deal of Pain for four Days after the Operation; at the End of that time fhe grew eafy, and fo continued to the finishing of the Cure, which was perfected in fix Weeks without any confiderable Inflammation, or the least Abcess, and she was restored to the perfect Use of her Hand.

F

2

THE

THE other Cafe was fo like That I have just now defcribed, that I look upon it as unnecessary to give a particular Account of it.

THE Operation was performed in the fame Manner, and the Cure was attended with no other Difference in its Progress than this, that the Patient had a small Abscess which arose on the middle Part of the Fore-arm, which was opened by Incision, and did well, with very little trouble. The Use of the Hand was as perfectly recovered in this, as in the preceding Case.

CHERENE MERCENERS CONS

CASE XVII.

Of a Ganglion fituated upon the Fore-finger.

C. P. A very lufty Woman aged 50, fome Years ago perceived a Swelling to arife upon the anterior Part of her Fore-finger, which at length increased to the Size of a Pigeon's Egg. It was now become fo troublefome from its Size and Situation, as to deprive her of the Use of her Finger, and to render it quite incapable of Motion.

IT

IT was not attended with much pain, but from the Circumstance of its useless, she was defirous of having it removed.

SHE had asked the Advice of feveral Surgeons who refused to undertake it.

AT length the applied to me : I faw no objection to the Operation, and accordingly proceeded to the Extirpation of the Tumour.

IT s Contents were intirely gelatinous, and contained under the Capfula of the Tendons of the Flexor Muscles of the Index, or Forefinger.

THERE was neither much difficulty, nor pain, in the Operation; and the Patient did well in a fhort Time, without the leaft Interruption or bad Symptom. She now enjoys the perfect Use of her Finger.

Bur notwithstanding the favourable Circumftances that attended these several Operations; I would not have it inferr'd from what I have faid, that Inflammations and Absceffes very rarely happen in Consequence of the Operation. I confess, I have known them to occur several times, but I never knew an Instance of their terminating otherwise than well.

F 2

CASE

AUTREADIC SHOKEADITCH

CASE XVIII.

Of an Empiema, where the Operation was unfuccessfully performed.

NOVEMBER 1750, S. K. aged 37, in May laft was fuddenly feiz'd with a Pleuritick Pain in his right Side, attended with a Fever and difficulty in Breathing; for which he put himfelf under the Care of a neighbouring Apothecary, who bled him occafionally, and at the fame Time administer'd fuch Medicines and topical Applications to the Part as he thought proper, but without effect. He continued much in the fame State, till July following; when he was admitted into the Hofpital under the Care of the Phyfician, who prefcribed for him near four Months, but without much Benefit. On the first of November following, he was attacked with an uncommon difficulty of Breathing, and Pain in his right Side, for which he was blooded, this gave him fome relief. On the Day following, I was confulted ; upon learning his Symptoms, and

and upon inquiring into farther Particulars, I difcovered the right Side of the Thorax to be fomewhat larger than the Left, and the Integuments appear'd a little thicken'd, but without the leaft Tendency to Difcoloration, Softnefs, or any Appearance of a Fluctuation. He was incapable of lying on his left Side without fuffering exceffive Pain, which he defcribed as extending from the Middle of the Breaft-bone to the Back. This was perceivably attended with fo great a difficulty of Breathing, as feem'd to threaten Suffocation. He could lie on his right Side without any confiderable inconvenience, but he was most easy when lying on his Back; he never had been troubled with a Cough till within this laft Month; nor had he ever perceived the least Discharge of Matter, either by spitting, or otherwise. His Pulse was quick and low, his Countenance pallid, he had no Appetite, and complained of great restleffness. It is remarkable, that he never remembers to have had any Rigor, which is a Circumstance that commonly attends the Formation of Matter. Upon the Appearance of the foregoing Symptoms, I thought proper to advise the Operation for the Empiema, which he readily affented to, and I performed it on the F 3 Spot

Spot in the following Manner: When the Patient was properly fituated and fecured, I began by making an Incifion of about two Inches and an half long with the Courfe of the Ribs, upon the Part where they form their greatest convexity, and betwixt the fixth and feventh Ribs, into the Cavity of the Thorax, from whence there islued three Pints of a thick fœtid Matter; from this Inftant, he was greatly relieved. The Discharge was very confiderable for the five first Days, when it began to decrease. From the Moment of the Operation, he was capable of lying on either fide, or of fitting upright without the least inconvenience; and he continued to grow better till the first of December following, when his Difcharge increased, and continued in great Quantities till his death, which happen'd in about feven Weeks after the Operation. Upon opening the Body, I found the Diaphragm deftroy'd quite through, and the upper Part of the Liver had fuffer'd greatly from the incumbent Matter. The Lungs lay loofe in the Cavity of the Thorax, and were not in the leaft ulcerated, or apparently difeafed.

N. B. In the Operation, the Incifion was made nearer to the fuperior Edge of the lower Rib,

7I.

Rib, than to the inferior Edge of the Upper, which prevented the Risk of wounding the, intercostal Artery.

CDC2.CCCC2220222CCD25577WCDCD

CASE XIX.

Two Cafes of the Operation for the Empiema fuccefsfully perform'd and read before the Royal Society the 19th of March 1752, and 28th of June 1753.

CASE I.

T. H. aged 27, was admitted into the Hofpital on the 19th of *December* 1751, on account of a Pain in his right Side, and Cough, which he had labour'd under for three Weeks; he was immediately put under the Phyficians Care, but notwithstanding all proper methods used for his Relief, his Disorder increased till the 13th of *January* following, when I was confulted.

UPON enquiry, I found him afflicted with the following Symptoms. A quick low Pulfe, frequent Cough, and difficulty of Breathing, which laft Symptom was greatly increased upon

lying

lying on his left Side, or upon fitting upright. He appeared greatly emaciated, his Countenance was very pallid, or fallow. Upon further enquiry, I found the right Side of the *Thorax* fomewhat enlarged; the Integuments were vifibly thicken'd, but without the leaft Difcoloration, or perceivable Fluctuation. However, being perfwaded from the foregoing Symptoms, that there probably was an extravafated Fluid underneath; I advifed the Operation which was confented to, and I performed it upon the Spot in the following Manner.

THE Patient being conveniently feated, I made an Incifion of about three Inches long with a Knife, between the tenth and eleventh Ribs, counting from above, and at about four Inches diftance from the Vertebræ; the direction of the Incifion was agreeable to the Courfe of the Ribs, and upon being made nearer to the fuperior Edge of the eleventh Rib, than the inferior Edge of the tenth, the intercoftal Artery by that means efcaped being wounded; upon dividing the intercoftal Muscle, very near twenty Ounces of Matter were discharged. After this, I introduced my Finger through the Wound into the Cavity of the Thorax, but found

found no adhesion of the Lungs to the Pleura; from whence I am inclined to conjecture, that this Abscess was originally form'd in the cellular Membrane of the Pleura, and had at length made its way into the Cavity of the Thorax.

WHAT feems to corroborate this Conjecture is, that the violent Symptoms which happened upon lying on the found Side, or upon fitting upright, did not occur till within a Week before his Application to me. From the Moment the Matter was difcharged, he found very great Relief; his Respiration became quiet, his Fever and Cough gradually abated, till in about fix Weeks he perfectly recovered, and was accordingly difmifs'd the Hofpital. The Difcharge from the Wound continued in confiderable Quantities for the first Fortnight; during which time the Wound was kept properly open with Tents ; but when the Difcharge was no more than what might be expected from a fuperficial Wound of the fame Size, all Tents were discontinued, and fuperficial Applications only made use of.

and but ship erow chief and

UPOH

CASE

74

CACHESCOSCOSCORONO CACHESCORONO CON CONCERCIÓN CONCERCICONCERCIÓN CONCERCIÓN CONCERCIÓN CONCERCIÓN CONCERCIÓN CONCERCICA CON

CASE XX.

On the 19th of March 1752, I did myfelf the Honour of communicating to this Society the Cafe of T. H. on whom I had perform'd the Operation for the Empiema with Succefs. Since then I have perform'd the fame Operation a fecond time with equal Benefit; and therefore prefume to lay this Cafe likewife before you as a farther Proof of its usefulness under the like Circumstances.

CASE 2.

 \mathcal{F} . C. aged 17 Years, was admitted into Guy's Hofpital on the 10th of May 1753, on account of a Complaint in his Cheft which he had labour'd under for three or four Weeks.

His Symptoms were a continual Pain in his left Side, a difficulty in Breathing, and an inability of lying on his right Side, or of fitting upright, without greatly increasing his Complaints; his Pulse were quick and low, he had a short Cough, was a good deal emaciated, and appear'd fallow in his Complexion.

UPON

UPON Examination, I perceiv'd a fmall Tumour fituated on the anterior Part of the *Thorax*, obliquely on the left Side of the Extremity of the Sternum, or Breaft-bone. There was not the leaft Difcoloration of the Integuments. Upon preffing the Tumour his Pain, and difficulty of Breathing were encreafed, and there appeared fomething like a Fluctuation under my Fingers. He had never had any Rigor, which is a Symptom generally attending the Formation of Matter; but from Experience I have found, that the Want of this Symptom is no proof of the contrary.

FROM the foregoing Circumstances and Symptoms, I made no doubt of the propriety of the Operation, which I perform'd in the following Manner.

THE Patient being properly fituated and fecured, I began with making an Incifion of about two Inches long through the Integuments and tendinous Expansion of the oblique Muscles of the Abdomen, upon the most prominent Part of the Tumour; then I proceeded to the making a second Incision of an equal length with the first, transversely through the upper Part of the Restus Muscle (which had a perfect healthy Appearance) directing my Knife

76

Knife forward betwixt the cartilaginous Portions of the feventh and eighth Ribs, and the Extremity of the Sternum, into the Cavity of the Thorax; upon which, a thick clotted Matter was difcharged, to the Quantity of twenty three Ounces and upwards.

As foon as the opening was made into the Cavity, and the Fluid began to be evacuated (which was by leaps) the Patient express'd a painful and uncommon kind of Senfation, which he compar'd to a Weight being fuddenly taken from his Heart. Hence, I conjecture that this part had fuffer'd fo great a Compression, as to have been for some time incapable of performing its natural Actions, but, upon the Fluid being fet at Liberty, the Ventricles of the Heart probably became immediately more dilated, than they had been for fome time before, on account of the Weight they had fuftain'd. After the whole of the Matter was discharged, I introduced the Forefinger of my right Hand into the Cavity, with which I evidently felt the Lungs (quite look and free from Adhesion) the Mediastinum and superior part of the Diaphragm, which last part had been press'd confiderably lowe than its natural Situation, by the Weight o the

the incumbent Matter; from whence it undoubtedly appeared, that this great Quantity of Fluid had been contained in the Thorax. After the whole of the Matter was discharged, I introduced a Linen Tent, properly fecured, into the Cavity, which was continued to be introduced every Day for about the Space of three Weeks, now and then, as occasion required, making use of the prepared Sponge-Tent. The Discharge was confiderable for the first Week, when it began to decrease gradually, till at the end of three Weeks there was no difcharge at all. From this time fuperficial Applications only were made use of; at the End of five Weeks, he was perfectly well in all refpects, and had recover'd his former plumpnefs and healthy Appearance.

I MUST observe to you, that about two Years ago he receiv'd a violent Blow on his left Side by a Fall, for which he had little or no Care taken of him. He has ever fince this Accident been affected with fome Complaints in his Side at times, but not conconftantly, nor have they ever been fo bad as to prevent his acting in his bufiness as a Sailor, till within a few Weeks before he applied to me.

R E-

REMARK.

FROM the Circumstances, and Symptoms attending the three preceding Cafes, I think it could hardly be doubted what the Nature of the Difease was; and as the Lungs, Diaphragm, and Intercostal Muscles must not only be impeded in their Actions, in proportion to the Quantity of extravafated Fluid, which is confined in the Cavity of the Thorax, but must alfo be in great danger of Ulceration or Confumption from the Quality, and Preffure of the incumbent Matter; I look upon the Operation in all Cafes of this Kind, to be abfolutely and immediately adviseable, and that it fhould not be deferred in Expectation of the Fluid being abforbed into the Circulation, and evacuated by Urine, by Stool, or by Spitting : Since it must be acknowledged, that the Inftances are very rare where these Events have been fuccefsfully brought about; and at the fame time that the Inftances are numerous, where Death has reinfued in confequence of the Operation being deferr'd too long, or being totally neglected.

THE Operation for the Empiema is neither very difficult nor dangerous, and I conclude there can be no better Arguments advanced in fupport

support of its safety and usefulness, when undertaken in time, than the Success that attended its performance in two of the three preceding Cafes; in which it has been already observed, that the Diseases were only of a few Weeks standing : in the third Instance, where it has been likewife already obferved, that the Operation was not fuccefsful; I think this want of Success might, with some Reason, be attributed to the Injury which had been communicated to the Diaphragm, and superior part of the Liver, in confequence of the long Confinement and quality of the Fluid; or it may poffibly happen, that the Matter had been originally formed in one or both of these parts, and discharged itself into the Cavity of the Thorax; which, for want of being evacuated in time, had at length increafed the Difeafe. and deftroyed the Patient by the Largeness of the Ulceration, and Quantity of the Discharge.



CASE

80

K. DECOMPLEX DEC HALLODECK

CASE XXI.

Of an incarcerated Hernia Inguinalis.

A. B. about 30 Years of Age, in the Year 1748-9, was brought into the Hospital with an Hernia Inguinalis, which he had been fubject to for many Years without ever wearing a Trufs. It had been down for ten Days attended with exceffive pain, without being once return'd, or any means used to relieve him. His Symptoms were a low languid Pulfe, frequent reachings to Vomit, and Hiccoughs. The Tumour was still exceedingly tenfe, for which reafon it was judged advisable to proceed immediately to the Operation. The Contents were a Part of the Intestinum Ileum and Omentum, both exceedingly inflamed, and the latter tending to Mortification. They adhered to each other, and the Omentum to the Sac formed by the Peritoneum, which was become thicker than a Crown piece, and feemed quite distinct from the Tunica Vaginalis, upon which it lay. The Sac as well as the difeafed CASE Part

Part of the Omentum were cut off, without making any Ligature upon either of them. The Inteftine and found part of the Omentum were returned into the Abdomen, and two flitches were made through the Integuments, after having first dilated the Rings of the oblique Muscles upwards and outwards with a Pair of probe Sciffars. Soon after the Operation, a Clyfter was administer'd, by which means two or three Stools were procured, and the Patient grew tolerably eafy. The fecond Day after the Operation, the whole Abdomen became prodigioufly enlarged and tenfe; but in a few Days afterwards it fubfided, by the help of Fomentations and Clyfters, and the Patient went on feemingly well to the eighteenth Day; when on a fudden he became very reftlefs, a violent Loofenefs, attended with delirium, enfued, and he expired about forty eight Hours after this Attack. Upon opening the Body, I found the Inteftines in general greatly inflamed, the Ileum was mortified in many places, and feveral Abceffes were form'd in the Mefentery.

Query. Is it not probable, that the bad Symptoms, fuch as Inflammation, Tenfion, \mathcal{C}_c . ceafed a few Days after the Operation; and G that that the Fever, attended with Inflammation, which came on afterwards, was merely accidental, and not at all the Effect of the Operation ? Since it is very certain that all Inflammations of the Bowels, terminating in Mortification, are very fpeedy, and admit of no great Intermiffion in their Progrefs.

CASE XXII.

Of an Hernia Umbilicalis from Tapping.

NorwithStanding is form'd in confepens that an Hernia is form'd in confequence of opening the Integuments at the Navel, in order to evacuate the Water contained in the Abdomen, in that Species of Dropfy call'd Afcites; yet there have been undoubted Inftances, where this Species of Rupture has arifen merely from this Caufe, and been attended with fuch Circumftances as made it neceffary to perform the Operation for the Hernia Umbilicalis. It appears that the opening made through the Peritoneum, tho' very fmall, is neverthelefs capable of being fo enlarged

enlarged from the Stream of Water in the time of its Evacuation, or from Preffure of the Inteffines against the internal Part of that *Membrane*, grown greatly distended and flaccid from the Quantity and Nature of the Contents, as to make it incapable of refistthe Force it fometimes meets with in Coughing, Sneezing, &c.

A. B. was admitted into the Hofpital with an Ascites or Dropsy of the Abdomen, which was become fo diftended by the Water, as to render him incapable of lying down without bringing on fuch a difficulty of Breathing as threaten'd fuffocation (from the Compreflion, probably, which the Diaphragm and Lungs labour'd under in this Situation) for these Reasons it was judged necessary to Tap him. Upon Examination, his Navel appeared protuberant, and pushed forward as large as an Egg. Its Integuments were thin, and almost transparent. Upon my confidering that an opening made through this part would be fufficient to evacuate all the Water; and having feveral times performed the fame Operation (agreeable to the Advice of the Moderns) without incurring the least inconvenience, I did not at all hefitate at the G 2 Pro-

Propriety of repeating it, which I did in the following Manner.

THE Patient being feated in a Chair of a convenient Heighth, and his Hands properly placed across the upper Part of the Abdomen, at the fame Time having an Affistant to prefs on each fide of it, I plunged the Point of a common Lancet into the Navel on its most protuberant part, and by this means discharged the Whole of the Fluid without farther trouble : After this, a Flannel Compress, dipt in Spirits, was applied upon a Plaister that was first put to the Wound, which was fecured on by a long Flannel Roller, and the Patient removed to Bed. He appeared as well as could be wish'd for feveral Days, but at length complain'd of exceffive pain in the Navel, which appear'd fwell'd and inflamed, attended with frequent reachings to Vomit and Fever (the constant Symptoms of an incarcerated Hernia) I endeavoured to relieve him by Fomentations, Clyfters, &c. but his Pains remaining intolerable, and being incapable of affifting him by any other means. I proceeded to the Operation, which I performed in the following Manner.

THE

THE Patient being removed from his Bed and laid fupinely upon a Table of a convenient Height, cover'd over with a double Blanket, I placed a Pillow under his Shoulders, by which means the Abdomen became relax'd; his Legs at the fame Time hanging down from the Sides of the Table, were properly fecured by two Affiftants. After this, I began with making an Incifion, with a round edged Knife, at the upper Extent of the Tumour; continuing it in a straight Direction downwards, a little beyond its lower Extent, carefully through the Integuments : Upon which, I discover'd a Portion of the Intestinum Ileum without any of the Omentum; the Intestine was greatly inflamed. When I had proceeded thus far, I introduced the Fore-finger of my left Hand through the Wound into the Cavity of the Abdomen, with which I gently compress'd the Itenstine, and then proceeded to enlarge the Wound with the fame Knife, which I introduced upon my Fore-finger. This gave me an opportunity of returning the Intestine without Difficulty. It appear'd quite loofe, and free from adhesion. When the Inteffine was thus return'd, I made one Ligature across the Wound, by passing a crooked Needle G 3

Needle through the Integuments only, at about a Quarter of an Inch from the Edge of the Lips of the Wound : but the *Abdomen* appearing confiderably diftended in two Days after the Operation, and the Patient complaining of great uneafinefs from the Ligature, I immediately cut it away, which relieved him; but the Symptoms of his Vomiting, $\mathfrak{S}c$. ftill continued, and he expired in a few Days afterwards.

Query. Is it not probable, that if the Operation of the Paracentefis had been perform'd on the left Side of the Abdomen, obliquely below the Navel, half way betwixt that and the Spine of the Os Ileum, that the Patient might have lived for fome time, as is very common in Cafes of this Kind; and is it not more than probable that his fpeedy Death was brought on by the ftrangulated Intestine? If this is allow'd, it may be inferr'd from the preceding Cafe, that the Operation cannot be faid to be entirely free from that Danger, which may always be avoided by tapping with the Trocar, in that part of the Abdomen, I've just now deferibed. Though I must own this Accident is not likely to occur often, fince this is the only Inftance of the

the Kind I have ever seen, which arose from the like Cause.

MARCHER CONCERCION

CASE XXIII.

Of a Wound Penetrating the Abdomen.

J. W. aged 22, was ftabb'd with a Horfe-Picker on Wednefday the 22d of November, 1748, about three Inches a little obliquely on the right Side, below the Navel. He bled very little at first; about an Inch of the small Intestine push'd out at the Orifice, which was return'd by a Surgeon, and the Wound few'd up.

THE Wound continued difcharging Blood in fmall Quantities till the Sunday following, when his Fever increas'd, and a large Quantity (as nearly as could be guefs'd about a Pint) of blackifh curdled Blood, burft out at the Orifice; the Ligature burft open the following Week.

THE Fever continued with Vomitings, accompanied with a Tenfion of the Whole Abdomen, which was particularly hard and tumified, in the Neighbourhood of the Orifice.

G 4

In this circumstance, I had thoughts of dilating the *Abdomen*, in order to evacuate the extravasated Blood; but the *Sunday* following it discharged itself in a larger Quantity than before, and continued to discharge very greatly for some Days, when at last it began to diminiss all the bad Symptoms (Vomiting, Purging, Fever, loss of Appetite, $\mathfrak{Sc.}$) by degrees abating, and in process of time the Discharge was purulent, but confiderable in quantity. However, it healed without any further Incision, and was well the 17th of January following.

Query. Is it not reafonable to imagine, from the Circumstances attending this Cafe, that the Violence of the Symptoms arose from the extravasated Fluid being confined in the Cavity, and from the Inflammation confequent, upon the Needle and Ligature being pass'd through the Peritoneum and tendinous expansions of the transverse Muscles?

It is probable, that if a free Difcharge of the Blood could have been procured from the Beginning (which might poffibly have been effected by leaving a depending Orifice) thefe Symptoms might have been prevented. So that in all Wounds penetrating the Cavity of

of the *Abdomen*, we fhould only make use of the Suture, where the Intestines are incapable of being retained in their proper Situation without it; at the same Time having a Regard to a depending Orifice for the Discharge arising from the divided Vessels.

CASE XXIV.

A fingular Cafe of the Stone.

I T is a Maxim laid down by the moft experienced Writers in Surgery, that when a Stone, taken out of the Bladder, is found to be rough on its Surface, it amounts to a Proof of there being no other remaining behind. But notwithftanding it is confirm'd by Experience, that this Obfervation is generally well grounded, yet there are Inftances which prove this Rule to be not altogether without exception.

FOR which reafon it is advifeable not to be determined abfolutely from appearances only, but to be farther fatisfied during the Operation by introducing the Fore-finger, or a Female Catheter through the Wound into the Bladder;

Bladder; which may always be done withou giving much Pain to the Patient, or any grea trouble to the Operator; and is doubtled the beft way of being fatisfied in a fact o fo great Importance.

SINCE I have had the Opportunities o making the two following Observations; can't help conjecturing, that there have been fome Instances of a Stone, or Stones, been lef behind in the Bladder, merely from having to great a Confidence in this general Rule at the time of Operating; which Opinion I am lee into, from having fometimes known Patient relapfe into the fame Diforder, in a few Months or Weeks after the healing of thei Wounds, and to require a fecond Operation When the Stone, upon being extracted, ha appeared of fo confiderable a Size, as to make it probable, that it must have been of much longer growth than the flort Time betweer the two Operations could admit of.

IN October 1753, I cut a Boy of 14 Years of Age, from whom I extracted a rough Stone of the Size of a Pigeon's Egg. After which, I introduced my Fore-finger through the Wound into the Bladder, and difcover'd a fecond rough Stone, nearly of the Size with the former,

former, which I likewife extracted, and the Patient recovered without any occurrences worthy of communication.

REMARK.

IN a few Days after the Operation, it commonly happens that fome of the Urine paffes through the Urethra, and continues to do fo without interruption, till the Whole of it finds its way through this Channel, and till the Wound is healed; but I have fometimes obferved, that at the End of feveral Weeks, the Urine still continues to flow in great Quantities through the Wound, and endangers a Fistula, or at least greatly retards the healing of the Wound. In fuch Cafes, I have often introduced a Bougie through the Urethra into the Bladder, with advantage. This, by equally diftending the Paffage, and preffing upon the internal Part of the Wound, has in a few Days diverted the Course of the Urine, and disposed the Parts to heal more evenly and expeditioufly, than they otherwife would have done.

N. B. The Reafon that induced me to be particularly circumfpect in the Cafe I have just now spoken of, arose from the following Accident. IN

IN December 1752, I faw ten rough Stones prefented to the Royal Society, which were taken out of the Bladder of an old Man; the largeft of which weighed eight Ounces and an half, the others were fmall; thefe Stones were taken out of the Bladder after the Patient's Death.

SINCE then it appears, from the preceding Accounts, that two Instances have occur'd in fo short a Time, which prove Exceptions to the general Rule laid down by almost all Writers, I was induced to offer these Histories to prove the Possibility of the like *Pbænomenon* happening again.

DEPATERONDENESCOLAGO

CASE XXV.

Of a Piece of Bone, together with a Stone in the Bladder, fuccessfully extracted: inferted in the Philosophical Transactions, printed Anno. 1753.

THE Stone in the Bladder is a difease common to both Sexes, and the Symptoms and Circumstances attending it, are in general so much alike and so well known, as to render few Cases of this kind worthy of particular Notice;

Notice ; but as the following is attended with a very fingular, and perhaps unparallell'd Circumftance, I am induced, merely on this account, to give a fhort Hiftory of the following Fact.

M. E. aged 48, (in all other respects an healthy Woman) had been afflicted with the Symptoms of the Stone in the Bladder for about two Years, for which the put herfelf under my Care. After having prepared her in the usual Manner, I proceeded to the Operation, but in a Method fomewhat different from that generally practifed, which is effected merely by a forcible Dilatation, and confequent Laceration of the Urethra; but having almost always observed an incontinence of Urine, in confequence of this Method of Operating, for this Reafon, and from the Success which I had fome time ago met with in the Cafe of M. B. mentioned hereafter, from whom I had extracted an Excrefcence that was growing on the Infide of the Bladder; I differ'd from the usual Method of Operating, and cut the Urethra obliquely upwards on the right Side to about half its length, which I eafily effected by introducing a small Knife into the Groove of the Staff, and found very little force requifite

requifite to the Introduction of the Gorget and Forceps into the Bladder, and in the Extraction of the Stone, and piece of Bone.

UPON laying hold of the Stone, it broke fo that only a Part of it, of the Size of a Pigeon's Egg, was extracted upon the firf Introduction of the Forceps into the Bladder; upon introducing the Forceps a fecone time, I extracted a ragged and irregular piece of Bone weighing fixteen Grains, which I have now in my Cuftody.

BEFORE the Bone was washed and cleanfed its Cavities appear'd filled, and covered with : Mixture of hairy and stoney Particles; from whence I conjecture, that it probably was the Nucleus of the Stone.

NOTHING remarkable occur'd during the Cure, but that the Patient ever fince the fe cond Day after the Operation, was capable o retaining her Urine, and recover'd perfectly in lefs than three Weeks after the Operation was perform'd.

SINCE the Performance of the preceding Operations, I have always follow'd the fame Method of dividing a Part of the Urethra in Females, previous to the Introduction o the Gorget, Ec. and have found it to be mucl

nuch more eafy to the Patient, lefs troublefome o the Operator, and more fuccefsful, than when perform'd by a forcible Dilatation of he Urethra without Incifion.



CASE XXVI.

Of a Retention of Urine occasioned by the Size of the Hymen.

IT has been observed by many Writers, that a straitened Prepuce in Males penetrated by fo fmall a Hole, as to prevent a free Difcharge of the Urine, convey'd in a full Stream through the Urethra, is often productive of fuch Symptoms, as are fimilar to those ariing from a Stone in the Bladder; which are probably occafion'd by a Diftention of the Prepuce, and an irritation of its internal Part, and the Glans. The Removal of these Complaints depends upon a longitudinal Division of the Prepuce, or a Circumcifion of its Extremity, by which means a free Iffue is procured to the Urine. But I don't remember to have read any Observation of a Disease of the like Kind happening to Females, and producing

producing the fame Symptoms, from a preter natural Formation of their Parts.

In the Year 1749, I was confulted in the Cafe of a little Girl about three Years old who had labour'd under fuch violent Symptoms in voiding her Urine ever fince her birth as to make it fuspected by her Physician, that fhe had a Stone in her Bladder. Upon enquiry, I was inform'd that her Urine came away by drops, that the was inclined to pu her Hand to the Pudendum, when the made Water, and that she could not help crying. and stamping with her Feet, merely from Thefe Symptoms fo nearly refemthe Pain. bled those of the Stone, that I thought proper to propose the passing a Staff into the Bladder. that we might be fatisfied whether there was a Stone, or any other Difease of the Urethra. or Bladder; but upon endeavouring to do it. I observ'd the Urethra was at least half cover'd over with a Continuation of the Hymen. which appear'd imperforated ; for this reafon I could with difficulty execute my Defign However, I effected the Introduction of the Inftrument into the Bladder, without ufing much violence, but there was no Stone, or any other præternatural appearance to be fel ir

.96

in that, or its Paffage. Seeing this, I gave my Opinion, that the Difficulties and Pains which arife in difcharging the Urine, probably proceeded from the Size and Situation of this Membrane; which I recommended as neceffary to be divided. It was comply'd with; and I accordingly proceeded in the following Manner. The Infant being placed upon her Back, and properly confined upon a Table of a convenient Height, in the fame Manner as is done in the Operation for the Stone; I divided the Membrane with a fmall Knife by making a longitudinal Incifion, and the Patient was cured in a few Days, by Anointing the Parts with Sweet Oyl, affifted with an emollient Fomentation.

REMARK.

I F the Circumstances of a Difficulty in making Water had not occur'd, fo as to have made it neceffary for the Parents to feek for Relief during this Infant State, it must have happen'd, that at the Time of puberty, the Menfes could not have been voided, fo that the Surgeon must have been then obliged to have divided this *Membrane*, to have given liftue to what must have been otherwise confined; as has been known to have been fome-H times the Cafe, where this Membrane has been found imperforated in Adultness.

CASE XXVII.

Of an Amputation of the Penis.

7. C. aged 63, about four Months ago perceived a fmall Pimple to arife upon the Glans Penis, which continued without pain for fix Weeks. At the end of which Time, it grew painful, and increafed in fize, which obliged him to apply to a neighbouring Surgeon for relief. The first Applications made use of to the Part, were emollient Cataplasms, which were continued for a Fortnight, but without any other effect than keeping the Part eafy, and preventing an increase of the Symtoms. Seeing this, he was induced to apply a Caustic to the Excression excession, and produced an Ulceration; and from that time, the Tumour began to grow confiderably worfe.

On the 3d of August 1749, he was admitted into the Hospital. Upon examination the

the whole *Penis* was found cancerous, and confiderably enlarged, to within about an Inch and a half of the *Abdomen*, attended with exceffive pain.

IT had for the laft four Weeks difcharged fo greatly, as to weaken him confiderably, and had bled at times, but not very profufely. On the feventh Inftant, it was amputated near the *Abdomen*, in the following Manner.

A TOURNIQUET was applied on the Penis, as near the Abdomen as poffible, and an Incifion was made first through the Integuments only, which were drawn back, and then a fecond Incifion was made as near as poffible to the Integuments through the Corpora cavernofa; there was no Instrument introduced into the Uretbra, nor was there much difficulty in stopping the Hæmorrbage, which was effected by the Needle and Ligature.

A FEW Hours after the Operation, he urin'd freely, and from this time continued to go on very well, till he recover'd. But in a few Months afterwards, he relaps'd into the fame diforder, and died.

A SIMILAR Cafe to this is mentioned by Ruyfch, in his 30th Obfervation; but there the Operation is defcribed as being perform'd H 2 in

in a very different Manner, as follows: A Catheter was introduced through the Urethra into the Bladder, and confined by a proper Ligature from flipping out; after this, a Ligature was made very tight upon the Penis above the difeafed Part; the next Day, a fecond Ligature was applied upon the first, and in five Days after, the Penis was amputated with a Knife in the fame Part, which had been almost wore through by the Ligatures.

THIS method was made use of, in order to prevent an Hæmorrhage; for he observes, that by this means, the Part became almost mortified off, and no bleeding enfued. But as this method must be infinitely more painful than what attends the Operation, when perform'd by Incifion only, I think there can be no doubt, which of the two is preferable. Mr. Ruysch observes, that the Patient did well, and continued fo. He fays, that part of the Penis which was left behind, drew quite back into the Abdomen, fo that he was obliged to make use of an Ivory Pipe, which was occafionally introduced through the Urethra into the Bladder, to prevent the Inconvenience of being wetted by the Urine.

RE-

REMARK.

It is worth obferving, what different Effects were produced by the Emollient, and Cauftic Applications in the preceding Cafe. The Firft it appears, kept the Parts eafy, and prevented the Difeafe from increasing, though it had no farther tendency to the Cure of the Wound. But the Latter, which was painful, immediately aggravated the Symptoms, and confiderably increased the Inflammation and Ulceration. This Cafe is one of the many, which shews the Impropriety of all painful Applications to Ulcers that are attended with the like Malignancy; and at the same time the great Advantages of such as are emollient and relaxing.

FROM the Event of *Ruyfch*'s Cafe, we may learn the Poffibility of Success after the like Operation; though it must be acknowledged, that the Instances are rare where the Patient does not relapse into the same Disease.



H 3

CASE

IOI

SICONSCIENCE FOR SUBJECT OF SUBJECT OF SUBJECT FOR SUBJECT FOR SUBJECT FOR SUBJECT FOR SUBJECT FOR SUBJECT OF SUBJECT OF

CASE XXVIII.

Of the good Effect of medicated Bougies, in difeases of the Penis and Scrotum.

P. E. in August 1731, contracted a Clap, which he neglected till the March following, when there appeared a Swelling in the Scrotum, which fuppurated, and was open'd by Incision. He was at the same time put under a Course of Physick; but notwithwithstanding this Treatment, there appear'd a second Swelling on his Scrotum soon afterwards, which suppurated, and was likewise open'd; his Urine issued through the Wound, and continued to do so for four Months, when it healed up.

H E had a purulent Discharge from the Penis the whole Time, attended with frequent Inclinations to Urine, which came away sometimes by drops, at other times in a simall twisted Stream tinged with blood, and attended with excessive Pain. He remain'd pretty nearly in this State, till August 1747, when he perceived a Swelling to arise in Perinao,

rinceo, which obliged him to apply for further advice. The Tumour fuppurated, and was open'd by Incifion, and the Patient falivated. But notwithstanding all proper care having been taken of the Wound, it remain'd fiftulous.

HE was admitted into the Hospital, the first of December 1748. Upon examination, I discover'd two Fistulas in Perinæo, and two more in the Scrotum, through which the greatest Part of his Urine was discharged. The Scrotum was enlarg'd to four times its fize, and appear'd anafarcous.

THE whole Penis was difforted, and its Integuments extreamly thicken'd. Upon introducing a Probe into the Urethra, I difcovered an obstruction about an Inch and half diftant from its hither extremity, which I could not break through. The Day following, I introduced a medicated Candle, which was kept for fome Hours in contact with the Obstruction; it produced a confiderable Difcharge of Matter; the Bougie was continued for fome Hours every Day for about a Week, when the Obstruction gave way. A little farther up the Urethra, there was a fecond Obstruction, which was removed in a few Days by the fame means. After having fur-H₄

furmounted thefe two difficulties, I met with a third near the Entrance into the Bladder, which was made to difappear by the fame Application in ten, or twelve Days; fo that I could now introduce a fmall Bougie quite into the Bladder. The Bougies first used were very fmall, not larger than a common knitting Needle; but their fizes were gradually increased, till I could easily introduce those of the Size of a Goose-quill.

FROM the Time I got into the Bladder, the Fifulas grew better, the Tumour of the Scrotum fubfided gradually, till in about five Months he was perfectly cured, and the Parts appear'd in their natural State. The Swelling of the Scrotum was form'd in confequence of the Urine having infinuated itfelf into the cellular Membrane. I faw him two Years after his cure, he was then perfectly well, and had not perceived the leaft return of his Diforder. Before he left the Hofpital, he could Urine in as full, and large a Stream, as though he had never been difeafed, and was well in every other refpect.

THE Inference I would draw from the preceding Cafe, is to prove the great usefulness of Mr. Daran's Method of treating these Dif-

Difeafes, and at the fame time to fhew, that it is undoubtedly true, as has been already obferved by Mr. Sharp, in his Critical Enquiry, that whatever Applications will produce a Difcharge, muft probably be attended with nearly the fame Succefs, if continued a proper time. The Composition of the Bougies made use of in this extraordinary Cafe, was, one Ounce of old Diachylon, and two Drachms of Mucilage Plaister, flowly melted together; to which was added a Drachm and half of white Precipitate, which being stirred together, and afterwards spread upon Rag, was cut into flips, and rolled up in a conical Form for use.

I HAVE feveral times fince made use of the fame Plaister, with an addition of one Drachm and half, or two Drachms of *Calomel*, or red *Precipitate* finely lævigated and stirr'd into it, with equal benefit, in a Variety of Cases; and could never discover any material Difference, either in their Efficacy, or manner of Operating.

E383

CASE

NEW REALESSEE STRAKE

CASE XXIX.

Of an Hydrocele.

F. M. aged 63, in the Year 1749, about eight Months before he applied to me, received a Blow upon the Scrotum, which in a few Weeks afterwards began to fwell, and continued to increafe from this time without pain, till the 27th of September of this Year, when he was admitted into the Hofpital. The Diforder appear'd to be an Hydrocele, or Dropfy of the Tunica Vaginalis, which upon being tap'd discharged about ten Ounces of a clear Water. About a Week after the Operation, the Water had collected nearly to as great a Quantity as before; upon which, I perform'd the Operation a fecond Time. After the whole of the Water was evacuated, I introduced a fmall Spunge tent into the Orifice, which was continued for twenty four Hours without producing any pain, or visible effect. Seeing this, I renewed the Introduction of the Tent, which remained in till the third Day. During this time, 3 2 8 3

time, there was no Discharge at all. Upon Examination, the Scrotum began to appear fomewhat harden'd and inflamed; on which account the Tent was omitted, and a Pultice of Bread and Milk applied to the Part. On the fourth Day, a small quantity of Matter oozed through the Orifice, which increafed confiderably for about ten Days, when there appeared a fmall Abcefs on one fide of the Orifice, which, upon being open'd, discharged about an Ounce of Matter; from this time, the Discharge became trifling, till it was quite well, which was in four or five Days afterwards. The Coats of the Tefficle, and Tefticle itfelf, form'd an Adhefion with each other. It is observable, that the Pain and Fever which attended the Cure were fo trifling, as render'd it unneceffary for the Patient to keep his Bed longer than two Days; which, in all probability, was owing to the gentle and gradual Action of the Tent upon the Tunica Vaginalis.

FROM the Succefs which attended this method of Operating in the preceding Inftance, I have been induced to perform it feveral times fince in the fame Manner upon other fubjects,

subjects; most of which Operations have been attended with equal Lenity and Benefit.

ACCATENCE TO CERTIFICATION AND

CASE XXX.

Of a Tumour growing on the Infide of the Bladder, fuccessfully extirpated; inserted in the Philosoph. Transact. for the Months of April, May, June, and July 1750, printed Anno. 1751.

A N Excrescence, or Tumour arising from the internal Coat of the Bladder, is a Disease, though not very common, yet sufficiently known to the curious in Physick and Surgery. But I believe that hitherto, no one has attempted the Cure of this Disorder by Extirpation.

Nor indeed can it be fuppos'd that the Inftances are frequent, where the Operation is practicable: But as it is notorious from the Hiftory of Phyfick, and Surgery, that feveral diforders which were formerly unobferv'd, have been found to occur frequently, after their Nature has been once difcover'd and exactly defcribed, I flatter myfelf, the Publication

lication of this Account, may poffibly throw fome light on the prefent Subject.

M, *B*. aged 23, on the 24th of *June* 1747, ftrained herfelf, by endeavouring to lift a great Weight; fhe was immediately feiz'd with a Pain in the fmall of her Back, and a total Suppreffion of Urine; which Symptoms, notwithftanding the feveral Methods used for her Relief, continued till the 29th of the fame Month; when an eminent Physician, and Man-midwife was called to her Affistance, who drew off her Urine with the Catheter.

DURING the Supprefision, she was feiz'd with an acute Fever, and for eighteen, or twenty Hours before her Urine was drawn off, she discharged by the Mouth a great Quantity of faltish Water tinged with Blood; which, upon lying down, flow'd in so great Quantities as to threaten Suffocation.

IN April 1750, fhe applied to me. Upon enquiry, I learnt fhe never had been able, from the Moment of the Accident, to void a Drop of Urine without the Affiftance of the Catheter, which had been ever fince made ufe of two or three times every twenty-four Hours; that fhe was in continual pain, and had lately been much weakened, by having feveral

feveral times loft confiderable quantities of Blood, occafion'd by the Force made ufe of, for the Introduction of that Inftrument into the Bladder. Upon examining her with my Fore-finger, which I introduc'd with great difficulty through the *Meatus Urinarius*, I difcovered a confiderable Tumour, which feem'd to be of a flefhy Subftance, and took its rife from the lower Part of the Bladder near its Neck ; the Extent of which I could with difficulty reach. I obferv'd it to protrude a little Way out of the *Meatus Urinarius*, upon ftraining to make Water when the Bladder was full ; but upon ceafing to ftrain, it prefently return'd.

IT had preferv'd pretty nearly the fame Appearance ever fince it was first taken notice of; and about eighteen Months ago, a fmall Incision was made into it by a Surgeon, on prefumption of its containing a Fluid, but without any effect.

HAVING first prepared her, as before the Operation for the Stone, that is, by giving a gentle Purge on the Day preceding the Operation, and an emollient purgative Clyster a few Hours before I operated, the *Rectum* by this means became emptied, and confequently did did not make fo great a Degree of Preffure upon

upon the inferior Part, and neck of the Bladder, as it would otherwife have done; which gave me an opportunity of executing my defign with much lefs difficulty, than I fhould probably have met with in the Performance of the Operation, had I attempted it without this preparation.

WHEN this was done, I proceeded to the Extirpation of the Tumour, which I effected in the following Manner.

WHEN her Bladder was full, I order'd her to ftrain, as though fhe was going to make Water; upon which, I perceived the Tumour to protrude a little, this, I effectually fecured from returning into the Bladder, by the help of a crooked Needle and Ligature, which I paffed through the Tumour in different Directions, and endeavoured to draw it out through the *Meatus Urinarius*, but could not effect it by reafon of its largenefs.

SEEING this, I dilated the Meatus Urinarius on the right Side, by cutting it upwards about half way towards the Neck of the Bladder; when, by pulling the Tumour forwards, I had fufficient room for tying it with a Ligature paffed round its Bafis, which was very large. For

III

For the three first Days after the Operation, she complained of a good deal of Pain in the Abdomen.

ON the fixth Day after the Ligature was made, the Tumour dropt off.

FROM the first Day of the Operation, she voided her Urine without any affistance, and is now perfectly well in every respect.

THE Size of the Tumour was nearly equal to a Turkey's Egg, and fomething like to it in Shape.

KSYME AND KARACTARIAN

CASE XXXI.

A remarkable Instance of two Excrescences of the Urethra, successfully extirpated.

THE urinary Paffages of Females, as well as Males, are incident to fome Diforders, which are not to be cured, or reliev'd but by furgical Operations. Thefe Diforders in Males proceed from various Caufes, which are generally to be accounted for from a previous venereal Affection, or the frequent Paffage o gravelly, or ftony Particles through the Urethra

II2

Urethra, though it is certain that they fometimes happen without any accountable caufe.

IT feems to have been a Matter of Difpute amongst Surgeons, whether these maladies arife from Excrefcences, Caruncles, Contractions of the Fibres of the Urethra, Callofities proceeding from veneral causes, callous Ulcers of the Lacunæ of the Urethra, or Affections of the proftate Gland, or the reft of the mucous Glands of the Urethra. But it is a Matter of no very great Confequence, what the exact Nature of the Difease may be, feeing the Cure depends entirely upon the removal of the Obstruction, and it is probable from observing, that as other parts of the Body are liable to thefe feveral appearances, this part is fo too; and though it has been afferted by many, that there is no fuch difeafe as a fungous Excrefcence in the Urethra of Males, owing to the Difficulty of discovering fuch appearances after Death, yet from the Analogy there is fubfifting betwixt the Structure of the internal Part of the Urethra of Males and Females, I am inclined to think, that the Existence of this fungous Appearance in them can hardly be doubted; and that a very trifling Difease of this Kind, is capable

IIJ

capable of producing the moft excruciating Pains may be concluded from the Hiftory of the following Cafe, the Cure of which immediately depended upon the Removal of a Fungus of fo inconfiderable a Size and Appearance, as would not have been regarded in many other parts of the Body. But as the fame Operation cannot be undertaken in Males with an equal probability of Succefs from the difficulty of knowing the exact Situation and Nature of the Difeafe, as well as from the different Length of the Uretbra itfelf; we are oblig'd to have recourfe to fuch methods as operate more flowly, and not with fo great a degree of certainty.

E. C. a Virgin aged 27, had been afflicted, as I was inform'd by herfelf, and her Mother, with a Difeafe in the urinary Parts, ever fince the was four Years old. The Symptoms under which the had laboured from the Beginning, were frequent inclinations to make Water, which the voided by drops, and with exceffive pain.

SHE had never been quite free from these complaints ever fince her first attack, but was particularly ill at the Times of having her Menses. These discharges were in general regular,

II4

regular, both as to time and quantity; when it happened otherwife, her complaints were greatly encreas'd, efpecially at the very Time when the expected a Return of them. The Pain and Irritations had been frequently fo great, as to occafion Convultions; and the had been always incapable of getting her livelyhood at Service.

SHE had try'd various methods for her relief, without receiving the least Benefit.

IN January 1754, I was defired to attend her.

UPON enquiry, I learnt that her complaints had been from the Beginning in the Urethra, and neighbouring Parts. I carefully examined into the Meatus Urinarius, by introducing a female Catheter, with which I dilated it by inclining the Inftrument to one fide, and with fome difficulty difcover'd two Excrefcences arifing opofite to each other from the internal Part of the Urethra, near its hither Extremity.

EACH of these Excrescences was near as broad as a Silver Penny, and refembled the Valves of a Vein in their Situation.

THEIR colour was red, their texture fpongy, and they confifted of a Number of Fibres, as I 2 ap-

appear'd upon Examination after being removed.

UPON difcovering their feat and rife, I proceeded to extirpate them; which I effected in the following Manner.

THE Patient being laid upon her Back, and her Knees bent and rais'd, I divided the Urethra a little way obliquely upwards on its left fide with a Pair of Sciffars, then I proceeded to fnip off the Excrefcences at their roots, to do which, the previous Division of a Part of the Urethra afforded me fufficient room.

THE Operation was expeditious, but painful. There was very little difcharge of Blood at first. In a few Hours after the Operation, the wound bled profusely, but at length stop'd of itself.

FROM this time, she had no other inconvenience or pain in the Part, than what arose from the Acrimony of the Urine, which gradually abated till the Wound healed, which was in about ten Days after the Operation.

THE only Applications made use of to the Parts, were Fomentations of warm Water and Milk, and afterwards a doffil of Lint spread over with cooling Ointment, and repeated twice or thrice a Day.

I HAD the Curiofity to call upon her, about five Months after her Cure. She informed me, that the had continued perfectly well without the leaft Return of her Complaint, and that her monthly Difcharges had been regular ever fince I left her, without producing any of her former Symptoms.

CHERCHENCE CONCERNING STOR

CASE XXXII.

A remarkable Instance of a Wound, by which the Tibia was entirely divided.

O N the 9th of October 1749, J. L. aged 44, receiv'd two remarkable Wounds from his Antagonist, who struck him with a Hedging-bill. The one upon the upper Part of his left Leg, immediately beneath the Infertion of the Tendon of the Patella, by which the Tibia was entirely divided, without any remarkable contusion of the Integuments, or neighbouring Muscles; the other on the left Side of the Head, which divided the parietal Bone quite to its Diploe, and he lost a considerable Quantity of Blood, before any Affistance could be procured him.

THREE

THREE Days after the Accident, he was admitted into the Hospital and put under my care. His complaints were a Giddiness, Fever, and Coftiveness; for which he was let Blood, and Stools were procur'd by a Clyfter; from this treatment he was confiderably relieved. The following Day, his Giddinefs had quite left him, and his Wound had a fa-. vourable afpect, which continued to go well on, till the 21st Instant, when the Discharge was confiderably increased, appear'd oily, and fmelt very foetid. He had refted but little the preceding Night, and complain'd of great lowness and oppression. Upon presfing the Ham, a confiderable Quantity of Matter was difcharged, and upon introducing the Probe, both Bones were found bare. From this time, the Discharge continued to increase till the 26th; for which reafon, I made a counter Opening, in order to procure a more depending Orifice for the Evacuation of the Matter. On the 27th, he was attack'd with a Loofenefs, attended with a Fever, and reftlefs; which feveral Symptoms continued till the 4th of November following, when his frength became greatly impair'd, his appetite quite loft, and colliquative fweats coming on, it

it was judged adviseable to Amputate the Limb, which was done above Knee, and the Patient recovered; all his bad Symptoms difappearing from the Day of the Operation.

UPON examining into the Condition of the Leg, the *Tibia* and *Tibula* were found carious for a confiderable Length.

THE wounded *Cranium* became granulated, and was quite healed in a few Weeks, without any exfoliation or difficulty attending its management.

REMARK.

THE Loofeness, Fever, &c. which came on fo many Days after the Accident, could not be attributed to the Pain and lofs of Blood arifing from the recent Wounds, as the Patient had been quite eafy and well for feveral Days together; nor could they arise from any Impropriety in his diet, &c. fince he had been kept in the most abstemious and quiet Manner, from the Time of his Admission into the Hospital; but these Symptoms may reasonably be accounted for from the fætid Matter being absorbed into the Blood, and falling upon the tender Vifcera; and it is most likely, this was the Case, feeing the feveral bad Symptoms of Loofenefs, I 4 Fever,

IIG

Fever, and Lowness immediately disappear'd, upon the Removal of the Part affected.

Query. Is it not probable, from the Circumftances I have mentioned, that if the Operation had been deferr'd, the Patient must have funk under the Discharge, or have died from a Reflux of the Matter into the Mass of Blood?

IF these Arguments are of any weight (which feem to be fupported by many Instances given us by Authors of undoubted Authority) the Operation was beyond difpute adviseable, and must in general be fo, where compound Fractures, Wounds, or Absceffes of the Joints are attended with the like Symp-For though there may be a few Intoms. stances of the recovery of People, who have been nearly under the fame Circumstances, yet I think, they are by no means fufficiently numerous to induce one to truft to any other method of preferving Life, than by having recourse to the Operation. To which the Patients generally fubmit with great refolution, in expectation of a Recovery.

CASE

21

CNEXCOLOGICOL

CASE XXXIII.

A fingular Instance of a diseased Joint requiring Amputation.

IN the Year 1744, T. C. accidently injur'd his Knee by a Fall, it appear'd fwell'd, and continued painful for fome Months; but at length, by proper management, grew quite well, and fo continued for three Years; when his Symptoms return'd with violence, and increafed for three Months, notwithstanding the Affiftance given him by a neighbouring Surgeon ; who, befides the Ufe of Fomentations, and other various applications to the Part affected, made him an Iffue by Incifion just below, and on the Outfide of the difeas'd Knee, which was kept open for fix Weeks, and then dried up. About a Month after the Iffue was healed, a diffinct Tumour appear'd immediately below the Patella and on its outfide, which burfted of itfelf, but discharg'd very little. However, he grew confiderably worse from this time; his appetite became bad,

bad, and his Leg and Thigh began to wafte. Under these Circumstances, he was admitted into the Hospital. But notwithstanding the several Methods used for his Relief, his difease increased to so great a Degree, as to make amputating the Limb necessary, which was done above Knee, and the Patient recovered.

REMARK.

UPON opening the joint, the Integuments were found greatly difeas'd, the Ligaments appeared confiderably thickened, and the Extremities of the Os Femoris and Tibia greatly enlarged, and their Cartilages eroded.

BESIDES these *Phænomena* which are common to almost all diseased Joints requiring Amputation, it had one thing peculiar to itfelf, which was, that it contain'd five Peas which were confin'd within the *Capfular*, of *Burfal* Ligament of the Knee. I examin'c whether I could discover the opening made by the Peas through the Ligament, but could not. It is to be observed, that the Issue has been healed up for near three Months before the Amputation.

CASE

I23

ESECTION DE CONCERCIÓN DE C

CASE XXXIV.

Of a fractur'd Patella,

A. B. aged 25, in August 1747, broke her Knee-pan by a fall down Stairs, for which she put herself under my care. The xtremities of the divided Bone were at a onfiderable Distance from each other, but by xtending the Leg, and gently preffing the Iuscles, and Tendons of the Thigh above ne fractur'd Part, I brought them to within a Inch of each other, and they were retain'd in is Situation by a proper compress and Banage. In a few Days after their Reduction, gently moved the Knee, by carefully bendig and extending it, which was repeated very Day during her cure. At the end of x Weeks, fhe appeared fo well recover'd, as be able to walk upon plain Ground, or up nd down Stairs with very little inconvenience. he could bend and extend her Knee very ell; the Parts of the fractured Bone remaing at the same Distance from each other, in which

which they were at first placed. I observed during my care of her, that she had formerly broke her other Knee-pan, and that the Part of the fractur'd Bone were then at least three Inches distant from each other. She inform'd me, that she had never applied to any one fo Affistance in this case; and that during the whole Time she had been capable of walking about, but was lame for three Months after the Accident. Since which time, she has enjoy'd the free use of her Leg, and has been capable of walking upon plain Ground, or up and down Stairs without pain or difficulty.

CACACITATION CLARKER CONCOCO

CASE XXXV.

Of a fractur'd Patella.

S. P. 43 Years of Age, broke her Kneepan in October 1748 by a fall down Stairs, for which accident fhe was recommended to my care. Upon enquiry, the whole Knee appeared greatly contus'd, attended with a confiderable Ecchymofis and Tumour, which could not be difpers'd for near three Months. Upon

Upon the Removal of these Complaints, the Extremities of the fractur'd Bone were difcovered to be near two Inches from each other; her Knee appearing at the same Time stiff and inflexible, in which state it remain'd for some time afterwards; but by the ise of Fomentations, relaxing Ointments, and laily pains being taken in bending the Joint; t at length became flexible, and she was cabable of walking upon plain Ground without ny lamenes, or other inconveniency, but the soing up and down Stairs, was attended with nore difficulty.

REMARK.

THE Method recommended above, in the reatment of transverse Fractures of the Paella, is very different from the general Rule uid down by Writers to be observed in the ke Cases. Their advice being, to bring the extremities of the Bones, if possible, into contact with each other, and to keep the eg immoveably extended for eight or ten Veeks; but fince it is found by Experience, at in confequence of such Management, the pint becomes stiff and inflexible, from, proably the Callus of the broken Bone and Synovia

Synovia of the Joint mixing together, and foldering up the Joint, there is no doubt o the great Impropriety attending this method of Treatment; and for these reasons, it is now a Custom with some of the most eminent is the Profession, to treat these Accidents is the Manner I have prescrib'd, preserable to that which has been advis'd by Authors by which means, the Motion of the Part i still preferv'd.

CASE XXXVI.

Of a Division of the Tendo Achillis.

WHEN a Tendon is in part divided b a fharp Inftrument, or wholly broke through, in confequence of Jumping, Dan cing, or any other extraordinary Violence; is agreed, that the bringing the divided Ex tremities into contact with each other, an the keeping them fo for a certain time b the helps of Compress and Bandage, are ge nerally sufficient to compleat a Reunion, o at least an Adhesion of these parts, to th neigh

heighbouring ones, without any farther Operaion. It is neverthelefs advis'd by Writers, who approve of this method under the like Circumftances, to make use of the Needle and Ligature, when the Tendon with its Ineguments becomes totally divided by a sharp instrument.

BUT from the feveral Inftances of divided rendons, which have come under my Cognizance, and which have been fo treated, I save observed, that the Parts always fuffer confiderable Pain and Inflammation from beng ftitch'd, and generally terminate in Abceffes of the neighbouring Integuments, and loughs of the Extremities of the Tendon, hrough which the Needle and Ligature have seen pafs'd; by which means, the Cure is confiderably retarded, and extraordinary pain ncurr'd. So that from these Observations, and rom many others, I am induced to recommend a total Difuse of the Needle and Ligature, and to truft to a favourable Position of the Limb, affifted by proper Compress and Bandage. Again, the Needle and Ligature hould not only be rejected in Divisions of he Tendons, but in all other recent Wounds, where

where Compress and Bandage can be apply' to advantage.

A. B. had the Misfortune of dividing th Tendo Achillis, about two Inches above th Os Calcis by the Slipping of an Ax, wit which he was at work. He was put unde my care. Upon Infpection, I observed the uppe Part of the Tendon to be at a confiderable Di tance from the Lower in confequence of th Contraction of the Gastrocnemii Muscles. I mac ufe of no other method in bringing the Extre mities together, than bending the Knee, extend ing the Foot, and gently compreffing the Le downwards from the Calf; which, being don I applied a Bandage from the Ham, quite 1 the upper Edge of the Wound. At the fan time, observing to keep the Foot extended which was fecured in this Situation by th help of a Piece of Paste-board properly adapte to the Foot, and fecured on by a fecond Bar dage. The Parts were kept in this poftu for five Weeks; at the end of which tim the Wound was heal'd, and the Extremiti of the Tendon appeared perfectly reunited, at leaft adhered to their neighbouring Part The Ancle became stiff from being constant ke

kept in this position, but by the use of Fomentations, and an Embrocation of Neatsfoot Oyl, it foon became pliant, and perfectly useful:

CASE XXXVII.

Of a Division of the Flexor Tendons of the Wrist.

A. B. accidentally run his Hand through a Pain of Glass, which cut his Wrift on the fore Part, quite a-cross. The upper cubital Artery was divided, and bled profusely, but was ftopt without much difficulty by the Needle and Ligature. The Tendons of the Flexor Carpi Radialis, Palmaris longus, and Flexor Carpi Ulnaris Muscles, were likewife divided, and their upper Extremities were drawn at a confiderable diftance from the lower ones; the Flexor Tendons of the Fingers were in part divided; however, upon bending the Hand, and preffing the Arm downwards, the Parts were brought together, and kept in that Situation till cured; K which

which was in twenty-five Days after the Accident. Upon healing the Wound, the Parts appeared ftiff, and fomewhat uneven, but by the help of Fomentations, relaxing Oyls, and gentle extension frequently made use of, they perfectly recover'd their free Motion, usual Strength and Evenes.

I SHOULD not have thought these Cases worthy of Communication, had not they been merely intended as an Illustration of the Advantages of this Practice, preferable to the other Method.

I T is worth observing, that the Inflammation which succeeded upon this method of Treatment, was no more than what always happens to other parts in incised Wounds of equal depth and fize, and that there were neither Abceffes, nor Sloughs in consequence of the Accident, or Management of the divided Tendons.

alines diant han babien



: har and kont in that Securion and has and

Section 11

an at a confidential didinace from the

CASE

IJI

SURVERSE STREET

CASE XXXVIII.

Of a Rupture of the Tendo Achillis.

1. B. had the Misfortune to break the Tendo Achillis entirely in two by Jumping, but as he was ignorant of the Injury he had fustain'd, he was carried home, and had not proper Affistance given him till a Week after the Accident, when he was recommended to my care. Upon Examination, I found the Tendo Achillis entirely separated; the Extremities of the divided Parts were at leaft an Inch and half diftant from each other, and the Patient complain'd of confiderable Pain. I proceeded to the Reduction of the divided Parts which I effected with fome difficulty by extending the Foot, bending the Knee, and forcibly compreffing the Mufcles downwards. When this was done, I placed a Compress upon the Leg, from the Ham down to the upper edge of the divided Tendon, and upon this, applied a Roller, with a Degree of tightness fufficient to prevent the Con-K 2 traction 101

traction of the Muscles, called Gastrocnemii ; when this was done, I placed a Linen Comprefs upon the upper Part of the Foot, and upon that, a piece of Paste-board, which were fecured on by Bandage, and the whole Leg was tied up in a Pillow. He became eafy foon after the Reduction of the Tendon, and fo continued till he left me, which was in about five Weeks; during which time, the Comprefs and Bandages were renew'd as occafion required. The Extremities of the Tendons remain'd together, but he continued lame and weak in the Part for fome time, till at length he recover'd the Ufe and Strength of the Limb. I did not observe, that there was any wasting of either of these Limbs, as is not uncommon after Accidents of the like kind.

REMARK.

IF it should be infished upon, that the Needle and Ligature are still adviseable in Tendons that are divided by a sharp Instrument, they cannot but be equally so in Tendons that are divided by being ruptured where there is no injury done to the Integuments; but I fancy it will be allowed upon constideration, that a divided Tendon is as likely to

to do well, as a ruptured one, where the Parts may always in recent Cafes be brought together with equal eafe, and kept fo by a proper Situation of the Part, affifted with Compress and Bandage,

Monsheur Faget's Remarks on the Use, &c. of the Styptic purchas'd by his Most Christian Majesty; communicated by James Theobald, Esq; F. R. S. inserted in the philosophical Translations for the Year 1753.

December 7, 1752, about the end of the Year Seventeen hundred and fifty. Mr. Broffard, a Surgeon from Berry, came to Paris to propose the use of a Remedy, which h had discover'd for stopping the Blood after Amputations, and which he afferted, to have found effectual in several Amputations of the Arms and Legs.

A T his requeft, fome Gentlemen of the Academy of Surgery were deputed, in whofe prefence he was to make fome new Experiments in flopping the Blood upon different Animals, and in all which he fucceeded, by flopping it in the largeft Arteries after Amputation. But the Success of this Remedy K 3 might

might yet be confider'd a little dubious, because many Animals, as in Dogs particularly, the great Arteries stop of their own Accord; and rarely any Dog dies from an *Hæmorrhage*, because their Blood is more disposed to congeal, and by that means to stop the Discharge.

For this reason, the Experiments made on Animals not being thought fatisfactory, and yet being convinced, that no ill effect could follow the Application of this Remedy on human Kind, Mr. Broffard was permitted to use it at the Hospital of the Invalids, in an Amputation of the Leg, which succeeded perfectly well; and not the least ill Accident happened through the whole time of the **C**ure.

SOMETIME after this, two Waggoners were run over by a Waggon loaded with Stone, and each of them had one Leg broken in a miferable Manner. Thefe two Men being brought to the Hofpital of the Charity, I faw no other hopes of Succefs, but in amputating the Legs; and, for that reafon, I requefted Mr. *Broffard* would be prefent, and give me a Proof of this new Application, which we applied in the following Manner.

As

As foon as the Leg was cut off, I flackened the Tourniquet to discover the Veffels, and Mr. Broffard applied upon the Orifices of the two Arteries, two pieces of his Aftingent, fastened one upon another with a Ribband, in the Manner which I have fent to you, and as it is in the Drawing. After the Application was made, I streightened the Tourniquet, and pass'd the two ends of the Ribband, which was fastned to the upper Piece of the Aftringent, upon the Stump, over the Knee, and applied a Linen Bag, fill'd flightly with the fame Aftringent in Powder, upon the whole Wound; and, over all, applied the common Dreffings in the like Cafe. After the Dreffing was finish'd, I flackened the Tourniquet, and two Hours after, took it entirely away. Eight and forty Hours after this, we took off the Dreffings, and not the least drop of Blood follow'd from the Veffels; and we again applied one fingle piece of the Aftringent upon the two Veffels; and I drefs'd the other Parts of the Wound with Pledgets of Lint, with common digeftive, a Styrax Plaster, and the usual Bandage.

THE third Day the Aftringent fell off of itself, in the time of Dreffing; and the Patient, K 4 after

that time was dreffed in the common Manner. The fame was done to the other Patient, after the Amputation, as to this.

THE first of these Men died on the fifth Day, and the other on the ninth; but there did not appear through the whole, the least tendency to an *Hæmorrhage*. Thus the Remedy fairly produc'd its effect, as to the stopping of the Blood.

HOWEVER, in order to determine the Manner, in which this Aftringent produces its effects, I examin'd the blood Veffels of those two Patients after their death, and I found them contracted and straitned, as if they had been tied, and in the largest of them a conic Coagulation of the Blood, which was an Inch and half long; and after having taking out this Coagulation, it was with difficulty, that I could introduce the Point of a very small probe into the Orifice of that Vessel.

THE Patient who died on the ninth Day, had the Arteries contracted in the fame Manner; but with this difference, that the Congelation was at least four Inches long.

Mr. Morand has employ'd this Remedy with Success, in applying it to a Wound made by

by a Sword in the bending of the Arm; and, I myself have made use of it, with great Success on occasions where the temporal, and intercostal Arteries have been opened.

IN the laft mention'd Cafes, I applied but one piece of the Styptic upon the opening of the Artery; and this generally falls off at the first Dreffing, that is, forty-eight Hours after the Application, without the least Appearance of an *Hæmorrbage*, or other ill Symptoms which can raife any Objections to this Styptic; for those Patients are all recover'd.

THERE have been lately made at the Hofpital of the Invalids, two Experiments of this Aftringent in Amputations; and in both, the Succefs has been equal to all that can be defir'd. The Surgeon, in these Cases, us'd only the two Pieces applied one upon the other, without using the Powder in the Bag, as before; and drefs'd the whole Wound with Lint, and the common Bandage.

THUS, then at last, there appears to be discover'd a Remedy beyond our hopes, and which Art has never yet equall'd. The Application of Fire was the cruel Resource of the Ancients; and *Paré* believ'd himself inspired, when he discover'd the use of the Li-

Ligature. But, alas! how many Accidents are there, which arife from the use of those two Manners, and which too often terminate in the Death of the Patient! Happy for us, that those Accidents now appear to be no longer to be fear'd by the lucky Discovery of this Styptic, the first Experiments of which have so greatly promis'd Success?

IT may be remark'd, that, if this Aftringent fucceeded only in coagulating the Blood, it has produc'd nothing extraordinary, for these Coagulations would not have been fufficient to have ftopp'd the Hæmorrhage, directly after the Operation in Amputations; but its excellency lies in contracting the Arteries fo closely, that it hardly lets a little Probe into the Aperture of the Artery, and by this means, forms as it were a perfect Ligature, much more certain than the ufual one, as this is not made in any one point of the Cylinder of a Veffel. Thus this Applica. tion exceeds every thing, which has hitherte been produc'd by the Operation of our hands. - THIS fingularity in the Operation of this Remedy, fuppofes another in the Veffels, which is the great Contractility of the Fibres of the Arteries. These, indeed, do naturally contract 01

f themfelves, but not to two thirds of their Diameter; nor to that state, in which they re straitned by the effect of this Astringent; ecause by that, the whole Aperture is alnost intirely taken off in the largest Vessels, nd it is easy to imagine their Effects in the mallest.

I T may be observed, that it is not in the lead parts of Bodies that this Contraction can be made; it requires the Affistance of the vital Principal, and operates on the Fibres by cerain Articles contain'd in it, which dispose he Animal Body, by its Irritation to shorten ts Fibres, and reduce the tissue which they compose in a lesser Volume.

THIS Remedy, of which I have been peaking, is nothing elfe but the Agaric of he Oak. The beft kind of it is found on he Parts of Oak-trees, where the large Limbs have been cut off, and it very often refembles . Horfe-fhoe in its fhape. This Agaric is liftinguifh'd into four parts, the Rind; the feond Part, which is preferable to the other; he third Part ferves for the ftopping the Blood n fmaller Veffels, as well as that part which ouches the Tree; this laft was what was pow-

powder'd, and applied in the little Bag, a in the Operations of the Charity.

THE fecond Part is what I make use of in Amputations, which is cut into pieces, of the Size of that which I have fent you. I must be beaten by a Hammer till it is soft and this is its whole preparation. Every part is prepared alike.

THE best time of collecting it, Mr. Brof fard has found to be in the Antumn, in fin Weather, after great Heats.

THIS, then, Sir, is all I can collect of th Use, Application, and Preparation of thi new Remedy for stopping Blood. If the Roya Society shall find any thing in it worthy thei regard, I shall think myself happy in having communicated these Observations.

A **T** the time of reading the above Me moir, fome bits of Agaric were exhibited to the Royal Society, part of which was delivered to me to make trial with, upon the next Opportunity, which I did in a few Day after with Success; and presented the following Account of its effects to the Royal So ciety, which was read by one of the Secretaries.

De

December the 14th, 1752, Thursday. Hatton-Garden.

AGREEABLE to the Defire of this Society, I have taken the first Opportunity of Communicating the Effects of the Agaric of the Oak in stopping of Hæmorrhages, or bleeding from the principle Veffels after Amputation. If I have been too circumstancial in my Narrative of the Symptoms and Circumstances attending the following Cafe ; I hope you will attribute it merely to the Defire I have of giving you all the Satisfaction I am capable of, relating to the Experiment made with this Styptic; and this I have been more particularly induc'd to, as it is the first Cafe of the Kind offer'd to your Confideration, where this Application has been made use of in England.



CASE

142

ESESCENTE STATE DE MARCENER

CASE XXXIX.

Of an Amputation of the Leg.

SATURDAY December the 9th, 1752 C. S. aged 24, had her Leg amputate below the Knee, at twelve o'Clock at Noo on account of an incurable Ulcer, with which the had been afflicted for 13 Years. She lof very little Blood in the Operation. Imme diately after the Amputation, a Piece of Aga ric of a proper Size. (The fame which wa deliver'd to me by the Royal Society for thi purpose) was applied to the Mouths of the Principal Arteries: Two other fmall piece of Agaric were applied to the Mouths of two fmaller Arteries, which appear'd at fome dif tance from the principal ones. Upon the Pieces of Agaric, Doffils of Lint were ap plied, and over all, a Pledgit of Tow fpread with yellow Bafilicon, which were kept of by the common Bandages made use of in fuch cafes, and applied with the ufual degree of tightness.

Foi

For about an Hour and quarter after the Operation, the Tourniquet was kept on moderately tight at a convenient Distance above the Knee, at the end of which time, it was flackened fo as to have no degree of Preffure upon the Femoral Artery. The Patient was much eafier than I had ever observ'd afterthe use of the Needle and Ligatures. Her Pulse appear'd very little disturb'd, till about four o'Clock this Afternoon, when the Symptomatic Fever began to come flightly on, attended now and then with convulfive witchings of the Stump and Thigh; for which reafons, the Tourniquet was fomewhat tightned. At feven o'Clock this Evenng, the Tourniquet was quite let loofe ; foon ifter which, the convultive Twitchings became lefs frequent, and lefs fevere; Thefe Spafms of the Limb, fhe had been long used o have, and by her own account, they had seen more fevere before the Operation, than fince.

SHE had but little reft this Evening; Sunday Morning fhe appeared as well as could be expected, her Pulfe was calm, and fhe had no particular Complaints. At twelve o'Clock

o'Clock at Night, she fell asleep, and for continued till seven o'Clock the next Morning.

Monday Morning the appear'd well, her Pulfe was calm, and the had no particular pain. Monday Night the flept but little, but was very eafy the whole Time; *Tuefday* Morning the appear'd very well, and her Pulfe quiet; this morning, the was drefs'd in the ufual Manner, her wound appear'd with a very good Afpect. She has fuffer'd no pain in the Part where the Agaric was applied, and is in all tefpects as well as can be expected. At feven o'Clock this Evening I vifited her, the was perfectly eafy, the convultive Twitchings, of which the at first complain'd, are quite remov'd.

Thursday December 14, she continues well; her Wound was dress'd again this Morning, from which there appear'd a very proper Discharge of Matter, not in the least tinged with Blood. The whole of the Agaric with the rest of the Dressings were remov'd without giving pain. Upon the Removal of the Agaric, I enquired narrowly, whether I could discover the Extremities of the Arteries, or their Pulsation, but there was not the least ap-

appearance of either of them: From this time the continued to mend without the leaft Interruption, till the was was difmifs'd the Hofpital.

A short History of the Effects of the Agaric of the Oak in stopping of bleedings, after some of the most capital Operations in Surgery; with an Account of the Manner of its acting upon the Vessels; communicated to the Royal Society.

IN December 1752, I had the Honour of communicating to the Royal Society, the good Effects of the Agaric of the Oak in the Cafe of a young Woman aged 24, whofe Leg I had cut off below the Knee. Since that time, I have not heard of any farther Trials which have been made with it, or of any Accounts that have been given to the Society of its great Ulefulnels in Surgery. This may probably arife from the Virtues of the Agaric not being as yet much known in England, or from the unwillingness of Surgeons to adopt fuch a Method as hey may probably fuppofe to be attended with hazard. The great Success which attended my

my first Experiment of this kind, was a fufficient Inducement to me, to make a farther trial of it in other Cafes of the like Nature. This I have lately done in four more Inftances; all of which have been attended with Success, equal to the first. The particular Advantage of the Agaric is evidently this, that it has the Power of effectually reftraining the Bleeding without giving Pain; for which reafon, there appears to be much lefs of the Symptomatic Fever, than what occurs after the use of the Needle and Ligature; which is, by much, the most painful Procefs of the Operation in Amputations, and is fometimes productive of Convulsions, as has been observ'd by Monsieur Le Dran in his Chapter of Amputations, under which Circumstances he particularly advises the cutting the Ligatures, Sc. The Ligatures have fometimes the farther Inconvenience of remaining quite fix'd to the laft, on which account they unavoidably retard the healing of the Wound.

BESIDES the Effect of reftraining the Hæmorrhage in all recent Wounds, which the Agaric has in common with the Ligature, it

it has one great Advantage peculiar to itfelf, which is that of effectually reftraining the Bleeding, in Wounds of feveral Days or Weeks standing, where the Parts are become fo rotten as to be incapable of bearing the Ligature. This I have know to have been the Effect of it in feveral Inftances, where the Ligature has been attempted in vain. The Manner in which the Agaric acts, is by contracting, or purfing up the Extremities of the divided Veffels. I had in opportunity of enquiring into this Fact n a Patient, whose Leg was cut off below he Knee. Immediately after the Ampuation, pieces of Agaric were applied to, and properly fecur'd upon the Mouths of all the principal Veffels. In about an Hour after he Operation the Stump bled a-fresh, on which account I remov'd all the Dreffings, except those pieces of Agaric that were at irst applied. This gave me an Opportunity of discovering the Source of the Hæmorrhage, which was from a collateral Veffel at leaft n Inch distant from the principal ones. When I had fecur'd the Veffel, I had the Curiofity to remove the bits of Agaric from L 2 those

those very parts to which they were at first applied. I observed the Mouths of the Veffels to be totally contracted in so short a space of Time, and to be capable of resisting the whole Force of the Circulation; the Extremities of the Vessels being alter'd from their natural Shape of a Cylinder, to that of a Cone. After having faid thus much in favour of the Agaric, I shall conclude with a Reference to the following Cases, as some Confirmation of what has been above advanced.

DEL HUDRES*35

ord the tern contract and share the

Kneed in the mediately easer the Avenue

steres of bellever ever street to, and

2035Mart - The

2 harly



CASE

SE SHE WORLD WO

CASE XL.

Of an Amputation of the Leg.

CASE the Ift.

MAY 1754, J. L. aged 51, had been long afflicted with an Ulcer in his Leg, which at length became fo general (occafioned by an impoverishment of the whole Mass of Blood, and a constant flow Fever with which he had been for fome time afflicted) as to destroy the greatest Part of the Tendons and Muscles, from the Calf of the Leg down to the Ancles. The Discharge from the Wound had been for some Weeks so excessive, as to reduce him to the greatest Extremity; and the whole Subfances of the Tibia and Fibula appear'd quite rotten for a considerable Length.

IN confideration of the foregoing Symptoms, it was recommended to him to part with the Limb (though at the fame time the Succefs of the Operation was judged to be very precarious, on account of his great L 3 weaknefs,

weaknefs, and bad habit of Body) which he readily affented to, and I perform'd the Operation in the following Manner.

THE Patient being feated upon a Table of a convenient Height, and properly fecur'd by Affiftants, a Linen Compress about two Inches broad was applied round the Thigh a little above the Knee. Upon this, the Screw Tournequet was fix'd, with a degree of tightness sufficient to prevent the Course of the Blood through the Femoral Artery.

THIS being done, I applied a Piece of Tape round the Leg, about five Inches below the Knee, as a Direction for the Knife; then I proceeded to divide the Integuments quite through, which were drawn back by an Affiftant, and afterwards divided the Mufcles as near as poffible to the Integuments quite to the Bone. Immediately after this, I introduced the Catline betwixt the *Tibia* and *Fibula*, with which I divided the *inter offeou* Ligament, \mathfrak{Sc} . and then proceeded to faw through the Bones.

IMMEDIATELY after the Amputation, 1 look'd for the principal Veffels, and eafily difco ver'd them without flackening the Tournequet (which

(which I have feldom had occafion to do in Operations of this kind.) Upon the Mouths of thefe, I applied fmall bits of Agaric, about the Size of a Shilling, as well as upon the Mouths of the fmaller Veffels, which difcover'd themfelves by their oozing. Upon the bits of Agaric, I applied foft layers of Lint. All thefe were cover'd with a Pledget of Tow fpread with yellow Bafilicon, and properly fecur'd on by the common Bandage.

ABOUT three or four Minutes after, he was roll'd up, and put to bed, I difcovered the Blood to Difcharge freely through the Dreffings, upon which, I tightned the Tourniquet in expectation of stopping the Bleeding, but it appear'd evidently to encrease it.

SEEING this uncommon effect, I quite flackened the Tourniquet, upon which the Bleeding immediately ceas'd. This I was led to from a Supposition, that the Veins had probably fuffer'd fo great a Compression from the Instrument, as to be incapable of returning that Blood which was carried to the neighbouring Parts by the collateral Arteries, arising from the principal Trunk, above the L 4

Ligature. But whether this was the true Reafon or not, I cannot take upon me to determine; however the Fact was, that the Bleeding immediately ceas'd, and did not return again.

THE Patient was dreffed on the fourth Day after the Operation, and the whole of the Agaric was removed. Since then, he has been treated in the common Method without any farther use of the Agaric. The Patient has had very little Fever, or Pain fince, and was well in health nine Weeks after the Operation, but the Wound was not then healed.



and the property of the

CASE

CHARLES CERTIFICATION CAR

153

CASE XLI.

Of an Amputation of a Breaft.

CASE the 2d.

MAY 1754, E. H. a very lufty Woman, 38 Years of Age, had been afflicted for fome time with a difeafed Breaft, which at length became cancerous. The Bafis of the Breaft was much larger than common, and was complicated with a confiderable Schirrous Knot which extended to the Arm-pit.

As things were thus circumstanced, it was plain that nothing could be advised, but the Amputation of the Part; which she consented to after some Weeks deliberation, and I performed the Operation in the following Manner.

Ти E Patient being feated upon a long Stool of a convenient Height, and an Afistant behind her, who fecured her by claspng her round the Waste, I feated myself in Chair opposite to her, and supporting the Breast Breaft with my left Hand, I began with ma king a femicircular Incifion upon its fuperic Part with a round edged Knife, which wa continued quite to the pectoral Mufcle. Afte this, I difcovered an adhefion of a Part of th Bafis of the Breaft to the pectoral Mufcle from whence I feparated it; then I proceede to divide the Integuments quite round on it inferior part, and finished the Amputation b diffecting the inferior Part of the Breaft from the lower Part of the pectoral Mufcle, upo which it lay loofe, and quite free from ad hefion.

IN the Operation, feveral Arteries of a con fiderable fize were divided, which were com pressed by the Fingers of an Assistant, till th whole of the Breast was removed.

AFTER cutting off the Breaft, I made a longi tudinal Incifion through the Integuments quit to the Extent of the Schirrous Tumour, which afforded me fufficient Room to diffect it out

IN removing the Tumour, I neceffarily di vided a confiderable Artery which nourifher it.

THE Wound was large, and bled freel from five or fix Arteries.

.154

I MADE use of no other method to stop the Bleeding, than the Application of pieces of Agaric to the Mouths of the Veffels, which were properly fecured on by a Flanel Roller, after being first covered with common dry Lint, and a Pledgit of Tow fpread with Digeftive. The fymptomatic Fever was very flight; fhe has been quite free from those painful Spafms, which constantly arife from the use of the Needle and Ligature. There has not been the leaft lofs of Blood fince the Operation. Her Wound was dreffed on the fourth Day, when the whole of the Agaric came away. Since then it has been treated in the common Method. She is very well, and her Wound was at the Point of being healed in nine Weeks after the Operation.



CASE

157

CASE XLII.

Of an Amputation of a Leg.

CASE the 3d.

MAY 1754. G.W. aged 12 Years, was admitted into the Hofpital with a Complaint in one of his Ancles and Feet, with which he had been afflicted for fome time. The Difeafe was an Abfcefs in the Joint of his Ancle; and he had another Abfcefs on the upper Part of the fame Foot, which had difcharged, and continued to difcharge fo much, as to wafte his whole Limb, to bring on an hectic Fever, and to render him incapable of putting his Foot to the Ground without giving exceflive pain.

H E had very litte Appetite, and the Ligaments of the Ancle and Foot, as well as the Bones were much enlarged, and become carious.

IN confideration of these circumstances, and not being able to cure, or give him relief by any other Methods, I advised the Amputation of

of the Leg, which was complied with, and I performed it on the 13th of May 1754, in the Manner as before defcribed, and in the ufual Place below the Knee.

THE Agaric and Dreffings were applied as in the preceding Cafes, which answered perfectly well in all respects.

THE Tourniquet was quite removed in ten Minutes after the Patient was put to Bed. He has had very little Fever, restlenes, or pain fince the Operation.

HIS Wound was dreffed on the 5th Day after the Operation, and the whole of the Agaric was then removed.

THE Patient is very well in Health, and his Wound was very near being well in eight Weeks after the Operation.



CASE

158

CASE XLIII.

Of an Amputation of a Leg.

CASE the 4th.

MAY 1754, R. B. aged 54, was admitted into the Hofpital with a Mortification in his Foot, which, notwithstanding all the means used in Physic and Surgery for his Relief, continued to advance till it extended to about two Inches above the Joint of the Ancle, where at length it stopped, after having destroyed the feveral Tendons, Ligaments, and Periosteum, which belong to the neighbouring Parts.

THE Patient was of a very bad habit of body, his Countenance was fallow, his Pulfe quick, and languid. He was in a very weak State, and his whole Mafs of Blood greatly impoverifhed. He at the fame time had a Mortification in the other Foot, which deprived him of all his Toes.

WHEN the Mortification was feparated, and his habit of Body improved by proper Medicines and Time, the Amputation of the Limb was

vas advised, and he confented to it; which performed in the usual Place below the lnee, on the 21st of May 1754, and in the ame Manner as has been already described in the Case of J. L.

I MADE use of no other methods to stop the sleeding than the Agaric, which was applied the Mouths of the Vessels, as in the preeding Cases.

IMMEDIATELY after the Operation and Dreffings were finished, the Patient was renoved to Bed, and the Tourniquet taken off. HE has not had the least loss of Blood fince he Operation.

THE Pain and Fever have been very inconderable.

I T is now eight Weeks fince the Operation as performed; the Patient is alive, and his Vound as near being well, as the Time, his ge, and bad Habit of Body can be fupofed to admit of.

REMARK.

THE Cafe of J. L. has fomething fingular. it, and particularly proves the extraordinary ficacy, and Usefulness of the Agaric.

T

160

I HAVE already taken notice, how fi quently it is impracticable to make a prop Use of the Needle and Ligature in Woun of long standing; and farther know from E perience, that it is no uncommon thing meet with the same Disappointments even recent Wounds that are made upon diseas Parts. So that I think it may be reasonab questioned, whether I should not have m with the like difficulty in this Subject, had attempted to secure the Vessels by Ligatures.



CAS

CASES in SURGERY. 161

EXXXXDOCDERDERDER

CASE XLIV.

Of an Amputation of the Leg.

THIS Operation was performed fince the Communication of the four preceding Lafes to the Royal Society.

July the 6th 1754. H. R. a young Man of 4 Years of Age was admitted into the Hofbital on the 25th of April, of this Year, on ccount of a Difease in his left Foot.

THE Part was much enlarged and inflamed. He had a Fever, and there was a confiderale Collection of Matter which pointed on he upper and outer part of the Foot, betwixt he Extremities of the *Tibia*, and *Fibula*.

THE TUMOUR was opened by Cauftic, and lifcharged about a Quart of very fortid Matter. THERE was a fecond Abscess formed on

he Infide of the Leg, under the Tendo Achillis, which was opened by Incifion.

FROM the Account given me by the Patient, he Diforder had been about fixteen Months M ftanding,

ftanding, and took its rife from a ftrained Ancle, which was immediately fucceeded with confiderable pain and fwelling. But by Reft, and the Application of warm Vinegar to the part, these Symptoms were foon removed, and he continued easy and perfectly well for a few Weeks, when he had the Misfortune to ftrain the fame Ancle again.

FROM the Moment of the fecond Accident, he became lame, his Ancle and Foot fwell'd, and his Diforder increafed for two Months.

I N this Situation, he put himfelf under the Care of an eminent Surgeon. The Tumour terminated in an Abfcefs, and was opened by Incifion.

THIS Collection of Matter was fucceeded by feveral others, which were opened in the fame Manner.

THE Wounds were cured in about eighteen Weeks, and the Patient was reftored to the perfect Use and Motion of his Foot.

H E continued quite well for fix Months, when on a fudden, the Foot became painful, and fwelled again without any previous Accident, and foon afterwards one of the former Wounds

Wounds broke out, from whence there arofe a confiderable Fungus.

IN confequence of the Difeafe, the Leg was become wafted, he was incapable of putting his Foot to the Ground, he refted very little, his Appetite was bad, his Pulfe quick and low; the whole Ancle and Foot were greatly enlarged.

FROM these Circumstances, and all Attempts to relieve him having failed, it was judged adviseable to Amputate the Limb; which I did this Morning in the usual Place below the Knee, and in the same Manner as has been already described.

WHEN the Leg was cut off, bits of Agaric were placed upon the Mouths of the feveral Arteries, as in the preceding Cafes, and the fame kinds of Dreffings and Bandage applied over them; the Patient was immediately removed to Bed, and in a few Minutes after, the Tourniquet was let quite loofe.

UPON flackening the Tourniquet, the Patient complained of a Convultion in his Stump, which was fucceeded by a Difcharge of Blood through the Dreffings from the Arteria Tibialis Antica.

M 2

SEEING

SEEING this, I tightened the Tourniquet, upon which the Bleeding ceased. I kept the Tourniquet moderately tight for a Quarter of an Hour, and then loofened it again. The Patient upon its being loofened, complained of a Return of the Spafm in his Stump, and there prefently enfued a fecond Difcharge of Blood from the fame Veffel. On this account, I tightened the Tourniquet again, and compreffed the Femoral Artery; upon which the Bleeding immediately ceafed. I kept the Ligature moderately tight for about a Quarter of an Hour, and then loofened it till it had no degree of Preffure upon the Artery. From. this time, the Bleeding stopped, and did not return again.

UPON the whole, I judge that the Quantity of Blood which was loft in confequence of the Operation did not amount to eight Ounces; and of this I am very certain, becaufe I had placed a Bafon under the Stump for the Reception of the Blood, which amounted to about three Ounces; and allowing there was the fame Quantity, or a little more, abforbed by the Dreffings and Rollers, the whole could not amount to more than I have fuppofed; which

which Evacuation, after an Operation of this kind, is more likely to be ferviceable, than injurious to the Patient, when he has not been much reduced by the Difeafe.

HE refted very well the Night after the Operation, he had fcarcely any fymptomatic Fever, and the next Morning was perfectly eafy.

FROM this time he continued to go on very well, without the least interruption, or return of the Bleeding.

H E was dreffed on the 4th Day, when the whole of the Agaric was removed, and only the common Digeftive applied to the Wound; I examin'd whether I could Difcover the Extremities of the Veffels, or any Pulfation in the Wound, but could not.

H E was dreffed again on the fixth Day; he remains very well, has had hardly any Fever or Uneafinefs, and his Wound is in a perfect good State.

ON the 7th and 8th Dayshe was very well, and has a fair prospect of a speedy Recovery.

REMARK.

UPON examining into the Condition of the Foot, after it was amputated, a great Part of the Cap165.

Capfular Ligament of the Ancle Joint appeared to be deftroyed. The fuperior Part of the Aftragalus, and inferior part of the Tibia were deprived of their Cartilages. The Integuments and neighbouring Tendons were greatly thickened, and adhered infeparably to each other. The Membrana Adipofa had the Appearance of a Cartilage. The Tarfal, and Metatarfal Bones were much enlarged.

N. B. THE Reafon of my difcontinuing the use of the Agaric from December 1752, to May 1754, was owing to my not being able to procure such as I believed might be depended upon. But since I have had it in my power to procure the genuine Species of Agaric, I have always used it; and have never as yet met with one Instance of its failure; nor have I ever been under a necessity of applying it a second time after any Operation whatsoever, except that Instance which has been taken notice of in the Introduction to these Cases.

BESIDES the particular Operations of which I have already given an Account, I could treat of feveral others, wherein I have applied the Agaric with equal Benefit: But I look upon it as unneceffary to give a Detail of its Effects upon

upon Veffels of less confequence than those I have already fpoken of: concluding it must neceffarily be allowed, that whatever Styptic is powerful enough to suppress an Hæmorrhage from the larger Veffels, must, cæteris paribus, be fufficiently powerful to fupprefs an Hæmorrhage from the fmaller, provided it can be applied and retained upon the Mouths of the divided Veffels with equal advantage; and it is probable that the Application of the Agaric will prove not only of great use after most Operations where the Needle and Ligature may be advantageoufly used, but particularly fo in ftopping the Bleeding from those Veffels which are divided in the lateral Operation for the Stone, as well as the Bleeding from any other wounded Veffels, which, from their deep Situation cannot be fecured with the Needle and Ligatures.

FINIS.

167.

