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abetrack of Paper ou The Sugreal Freatment of I devery by G. S. Chattleworth B. a. hed te Clate mede Supe Roy ul albert asylen 1

Much attention has been deaure a subject of cransectiony both in professional & lay buce; I as staggerated notions of its efficiary the selecting cases of accented bearing developental kave been formed, it would be well to received the reference of the lack few years. Oregenally fracticed in 1874 by Fuela of montreal, it to out lunce 1840 it has been Extantices fracture he Eucope, the lance of Launchangue in France, Recenter acourter & Retor Houstey in this Country being best through in connections with it. The queed ushell Lemes to be that with the the chies of a few ruce cases of huce acef halus ducto fundance & yuortoico - + there are the exception & wet The User, the Skell being laurelalich to thebrain, I with the brain to the Skuth - The of and time was not of permanent bearfie he franking brannike veletiment, HBournevelle had recently the slever that to far from the crawe of capacity having been increased by The procedure he the Ling same it was actually diminiched in course of the Therearing out of hew bare in Excherance to fill up the gaps made by the Sugar . There was midlad but lettle localace of premature synollosis in the Stalle of successfulic ideols for Prof. Hampling lead source in favous of the biew that to such cases the beam was compressed by the

Westered of Papa in The Inequal Sectional (follow) by Gilden Manuth Be We Se Unde martuge Court allow ally have

said attration leas been diverte to bulgest bent of and some properties and some the Policeness Survey of ansadered provide a some and frances house been formed , Thereast to level to have a spanne of the last fin your higher & in by louis 18 p I land low up when Coastern is resolve the same of sound on for the Arouse I also a rear Theles Werston In the Country ing not through in course strong back is it I marsh gallet down is late land with the " confirming a find and and and of his confidential " " allow that in late, the black " action of nation between to the shell -" willing the with " for themand langed the anding arounds leftmant of the and and secondly items some that to for from at again of an any loca Land and a 3 mm - ----of the is the start have to it is and for the part of a constrained letter with a stop a sum of

boney Invertige; I for an idiot of 29 The Subures were still offen a It was now Stated That the removal of bone in mice caphabie cases promoted brain decelopment by a lost of alteration action on the cerebeal cuculation



hurspenned to made 3 cast Blo Th lear 10,10 Cares and good have as all Reglie Lugs of Al. 1 52.7 and the second and de 25 14. B da Va la la Second mounded and they have a case to prove to there -" test & a law process to ment of reducing and · com Flinger . again and hours following haden for .

Record of Cases of Crauce Comy

hov. 1894 47 cases .

Laundouques morealing 4. h.c of others 23. .

Wylie Sugs of NL. hupeout most macked Hours

Shalders hulie B. la 12 luce 2 - g2 -

Space Loude ango Terticle descended

Buck Says . Afthe brain be freed to Thee? here coupling of blood , their induction of levelogs dens, & if the process be anded by budagogies ? Inellod then the clied in prover & Kacke de

Inferong Lucenterque fantes down following winder for 1 Premative leavour of brain & Secondary " " " Satur calache When the 3 - Traumatia during balls ? to . Congent leffere . due la talia uterini Persona. 5. Mungal Lecuarhages le- Laplalite listurores 2- Patholog chaque from ball cuised " in brain A. Mulunted on great Salesone

544001 MS.4574 The Jurgical Treatment St devery. by G.E. Shult leworth Ba. InD to late tued Suff Royal albare adglue for Schole & Imbreeles of The horthern Countres. Rancaster / ancaster House, Richmond Willy The fact that much popular attention has of tale years been chrowing to The Jubject of operations undertaken for the relief of I deary & other mental deficuares of Child life muss be my apology for Delinging before this Section Heroations certing not volely upon my oron coference but langely upor that of others. The operation of Crancectiony & las some proper to call il 1 linese craniotomy having been exploited huder Vensational headings, I uch us The Creation of a mind " be be in the gety read Lay recoil cols [e-q. Marfus magaziare, The Strand, The hinsteinthe Cultury & Verence Siftings") it behoves us as scientific ture To Weigh & measure the Evidence on the Strength of Which The unfortunate parents of mantally. Reficicul Children huor been Eucourged to Talle Somewheat Sauguine Views of the lebources of crancal Surgery. again & again have anxious mothers anguired of me whether Thus would hat be a better chance for brain Acodopnial in Such cases love a piece of How to be laken out of the Skull ", & is second hugerstand consequently to have a fund to hundle What, for brougs sake, shave designated The Sugiest Treatment of Sillorg" By way of interduction to the Subject I quote

The following from a wette withen allick The Header Licepergit afelieured in 1341 in Marquis hagazine The good that much Aspular in lass of the ser as Arauna to the Se Good of from the section of the section and of Sitery & allow month of defension that is must be buy apriced for Segue this destion think line and how some after they man and a bout tank by a constant, e, Bugas hange The derand The Real atte part of S superior of it when as as all called of a hearth has mad relies add becard here all day anon mariliant & we flesh " mat a wing a gave & region a ser mother and the state in a state three for the 1. 1. 1. 1.1 20 * L'égertente

Jurning was from the popular to the tes & follow briefly the history of the Michation of cramicelony. Hus feeformed by D'Fulla of montreal as long ago 201878 on an idio of two, with it is such favoures result to a lice to more of the operation until 1810, in which year cases were reported by Here of Philadelphia, Y by Vanuelougue of Paus . Su 1891 Tetor Housery reported two Cases to the annual hunting of this arrows at Bournemonth; Y Since that date the Specation has been repeatedly practiced in this Country, in France & in America : host hunde, howcore, in Germany. Dequally the view held was that convicted and afor fremature Cramal Squartosis, & to relieve The improved

crawel Linguestosis, " to return the unipersonal crawel Linestosis, " to return the imprisonal prain of rennings in the Hould, varying in form " pointies [linear crawiectory, & maniculais a lambeaux" & 1 locus waste by the surgeon -Ju this of the secarional occurrence of a huston of premating closed four auchles, The observation of Renationists lind twite support to the train to the there being that the Skull is as a tule humided to the brains wor the train to the thell. Prof Singer. Anuplang of line brain to the thele. Prof Singer. Auchoring to fillion Skulls, I that there is nothing to fugger that the contact of a development of the there was a confice of the bone cuescal Enoclose warded a comproving of the bone, cuescal Enoclose the the there to short in the deformity, of the the there of the bone, cuescal Enoclose warded a comproving of the bone, cuescal Enoclose the the the find

Councy has par the properties to the hore for a property with the at the state of the property the set Fitulted of he makes as my ago and the are called of lars, with it is a fair Could we have to resser of the offernition and In which your track which the set of a line A car philit 1 by Small and the Francis and a second and for a strend so Sur Contey, a France & a lances Marine franching the Will noted as a black man recourse in the disult marging in for Constan (Surer Dearer Courty & Man Surface of the securious occurrence of a merer of premation deres foundancies in million of dearline all land hearts first the difference is a table for guild and the Maria part the Maria to da Alath Pity So Munghing of more hear recorded by Aleccurers of advert it will I want and It hattering to transit that the the way in the tivelogenest of the State Bat the heading Perstance in the defition to 3 that the lander I the total cube at mostly walled a coupe " daraly us uplus we appendent from fand

In the case of an set huciscephalic ideal when formerly under my care at the Royal albus? Usglan Suncaster / Whore bran was carefully the received by Prof. Coursing have of Dubler these was not at the age of 29 years, complete Lynortosis of sutures, I in this, Fin Loreral The causes of uncrociflialus which have been thoroughly investigated, the convolutions of the brain, Such as they are, Gloc us undecalion of compression, but are fess, outlouding and Sparated by Well marked fulse. Here adoceales of the officiation have indeed been driven to bebundon the theory of prematice Synoxious as the lationale of the operatives: it is now alleged , Sofac as I can understand that the operation excels a boil of alleration " effect upon the brain ! Keen of Philadelphico Jays lin the course of an address to the assoch andreal " tolun we have an rafe anding bran & a lexiting thall of about equals required force, we have the normal condition in childerer; but if we have fuble Children with poorly- housested & feebly gowing brains, in the mayoring of cases the faby graining bran causor overcome The resistance that The hound beam can ". Probably loud argument of a Similar Kind was used by the peaching Burnete Baye has descovered in the chalk of the mane Sepulchers containing flulls papanted with elliptical opening's, Duck That is heaton to believe were cut in chuldhood by tuenest of a flind Scraper. Hertory unfortunated

may have an an it has Boyal althe can surroused for time by an end and alighted by Comments in the Sutter leve and with the and the light case through late in a second of sections, I'm that I and toward her trade of herees of fights stands have and alcestigned the translations of Man in has be a good and with a first ; traperation that are give ould and any as finance of all maiked but . The idecesting the Symular have in bud being (rora to strandon the tectory of premature contras as the laterada of the Speeder. the all agent , to fall and see a sund wind a the Tellahor acar a does to dillander office when the Ogano , hear of Parl delphe. an the source of an address of the bar heart ogave a halater . take annaled a Haleriting allet of about aquak 5 a seal for a welling the listenal and cheese in the former in a grow have beet d there walk for the ward and the first for man und, in the langer of If laces the party of in Course operand for their ma that and the same Com . Part adde fand ing war accord in fre faither a lands, for the a to Days and two courses in the Marth harriert teland trees continuing like all called and the proval Specimons, When & and the for the case and an chick theorem and a find a super tradient angestication

does not till us whether the brain che of the there of the policities there age we apace in Contequence of these the angle littles to norse, certicus the modeling Wordal q infantile trepanning by the lig of Experience of results. In 1091, being auxious In funderingues clinique at the Hopelal nourcell - There were unfortunatily at the fund of they brief the cases in hospilal in Which the operation had been performed, but Me Laurelouger informed we that of 25 auses operated one, only one land duid, & the Alung had all improved to a greater humber of the furviores was manifestly Amelionated . If carpoware that the "manifest amelionation" has not been maintained , for affer to y cars our hears hothing wore of these cases Bonneorile Physice in to the Bicilie, thus refers to the Subject of which he has ample offortunters for Observation) in a clunical lecture Jugeous have bole knowledge about ideory the the Danion forma . We find as reasons for undertaking Luch an operation as craniclou The following : - The condition of the clubs. to undertake any operation at all which quera chance for relief (loyeth), while another remarks "as far as I threak, it is a bey bucky invention, for if we cannot half Juck chulcher it is better for Them to die than To Tive Such a unierable existence". These are

The here to see mande of history the dought the if in le round, is seen the modelles vist of information the farming and and - respected of sconting on 1094, can answers The an Example on the second of the a sumet regardy there goes at the Marter more all - There are and order at the second of they was " at the mark in the the Truck the & recelion land have propriet for In similar contract after and her that of is man charted the, the mained dead, to the there is not set in ground in a grand In free of the sheep over hour he and feel of materialed . Spectron and the a fait and and and we had all been much new est, for affer to y cast the hance They bears of these cases . Browner the Projection The Beller, have telest & the and car of where a ment the " Alcolause the Prain strend in a Hancer bedance mergely after hand at some his want land a the succession by a brack at a de Course & Brand Mar fand at man and at alling Such an Green of and and a gold on bas to a this low of stand of the set a undertake any operation at all attach another annered as far and through at in a In they increased for if and causes t half had believen it to petros for them to the sta and and a unser and incations. There are

Sugeral Riser fin de Sie che , & we mention theme buly to condemne theme. The medicine los was taught leas the mission to cuse, to anchored A To spere The lick that are subursted to us I hot to assume the functions of an Excentional The the last published Volume of Recluclies Jue l'Ejdepsie, & tysterie, l'diolis te. the. Bourneville Cabulater 82 cases of cranicald of these 14 had been fatal, I in 31 a greater or less degree of amelior ation had been to corded In Too many cases the report of amelioration. is made with in a few mouther of the operation I To use the words of the worder of an astrele 4 Cassell's Garbook for 1895" it affluars that as to such a certain amount of unperocured Datas unuactionally after the operation, but this is not tu ambained, & il is quite possible that The final result of the operation is a climic. - untion & hot an Enlargement in the high of the Couried cavity or oring to the fact flace along the line of the wounds " Indick Bournevelle has demontrated in I autoplia of cranicationed ideals that us Expansion of the Cavity of the crancis allimately takes blace but in the contrary it is encreached upon by ceces of boug weater Therown out to refan the breaches - He maintains that this Sugeoul wetterd of treating ideory is of have if any value & that toleation good units have been observed took after the Theration are latter the result of the increased Pase & altertion bestowed upon the didd these of any safausion of bearin . Sofue as my

hadde have mand the work the local upod some manager to laste, to have that nois ico peragogre to made more offectuals and and " Their metely Surgreal breaking approved the fait of the the received hadalates 82 cases of the " there to had been parted , I an i'r a greater to best denice of much me the armin is litrates of my after the it appears that as a a caster a vairant of and score and comments that there is all and they defills that the and their filles and possible that finish becall of secondina is a chance late to last an Interesponded in the log the Acourt caring arrived the fact had open a lean - contenation lakes tak at my him to the wounds " hadred Wester or the and allowing fear ball in I and Cause coloursed court to the Expande In the other Characeneses allower life faith lines but in the continues of i so construct afin no care of brack weather there a the these the buches - promine that in and some water of second contract in the The of any value of the about and an mar thereast fortunter

oron Experience Goes [& Shave had there Clauicatomicad fratients under my obrew "/ I amquite in accord with Bouncoulle of the three Patients request to the apter-his tory of two will be given by map successor as the Roy of allow Degline. D'- Selford Sturt. . I head has Lours 200 further refer to them than to say that our (N.L.), oficiated on in 1891 Yayan in 1893 by las Vicion Hoesley, has not fulfilled the Juours able auticipations origically for D' Lelford Smith recently reported that the only noticeable improvement in that the boy has almost given up the habit of Mapping his non head, & that he is Sughta less resters . There is to uttempo let acticulation, & Sunce Un lass of water, his parent do wor Thank there is any Change in him " Will legard to a think lass, the child of a lucdered lucan, crane. - Relouised in 1991, at 4 operations by The Same Ling Emilient Sugger. , The fattice writes to but this work "I cannot they that he has been to any way benefited by the Thes . Her Small amount of huns culas It ungets he had prior of the at time was dimenshed by the ofree ", The has not Jut, after 3 years, Leganica ie? These has been some degree of Instatul developental? come had there ber to often " Wi out fair browcone to her Wielor Hors ley to a Vie other cases the tot is of What belies Kinds permitted we to tak, a certain acusul of martal & blug ucul unplot 4 Eleorded -

After the face to cap ment in the most processor tel this Hoy at albas anylow . for an a server a second and a former and a second a seco for the effect to liven than to day that "no The production in 1891 Vagan in 1893 by last inter south fires we full and the provide and opposing requally firm " telfind Somethe recently reported that and infraction the the toy to a stange grow of the batel I limper the am here I that he is at merenteren & time the last Specales as parate the we that think there is berry Chimperation ? Will legaro to a trade land, dis this is a loss to call haven, beaus and a lateras in the trans being interest of the father not the devotion to map the as to the the very la he had men Other al time tras dembarrhed by a ret 2, the has been bet, after by tax, required is the has and here they we to back the chify where a very new Saide is take than a to fine " nic land llow been in there" I a take y a proceed to a strong to lay that a t un saw the letter of Whate he has him formation back in the a contenan a contenant the

to his admirable book on Brain Surge J'allen Stan dwour a chapter tothis Consideration of Trephining for Subcerting due to Mucrocephalus; but the deordes the latter into 3 elinceal types . The first group Contains cases of hemeplegia with on to ittion attelosis : the Vecoud , cases of hundral defects of Darwer Gades : the third faces of Lendory defect of Various Lypes. This is us doubt an Prestical did ision of cases appropriate for operative interference, but it seems to use that The hamplegic cases do not propuly fall hundre the lund of mais ceptialus . they wanted To a our stuking & quite characteristic life of Ichiocy. Whiles denoting smalluces of head, it is not out in fire but in form these is in typical : Incorrected in cases a hearrow receding forelease, a somewhat powerch bellef & a flat occupul. I do not they call Counder The Lund of 17 willes in cucumfer as Executial to succesciplealus; but where The incassesement excendes this, & the form of the head is quite other thean flenore described, it is not fair to dessuite the case as one of mices applialus . L'anicolony way what is weeful in calcing pressure resulting from hiflammattery products with in the cransure but the finche case it is not properly described As mierocephalus, Treated by linear crameeting The group, fire a double to, of eases of hemplegia with or without atteloses is probably one promising better terulto from crancectory than those of fuse huses. - cephalus. Resulting as they prequeatly do

to las al minates hook and min las & S'iller from devoter a cheapter for Consideration of Company for Sunde and Te I capture that the decordes this I down & logar & freed prof. ticket mything and a dectar allow the versit and a cost of the second Charter les theese flees of men Ander of Valeries . This is he doubt an the secon curat for Carros or and it is true it carries to have the he have fer a de sect proffering your and the second of a second of the second of and de a with the production of the little the second mention of a second of the secon when ha flar and I do not sugarfy in the treation of a to the last many I second is more officer a but attend a necessary the second of a line forther of is grade alper the server the me ic. i mit some i In complete to a survey here and and with a calcolory from anothing from vier group pour accord a of caree of anificine will recorded allow a and ally and farm in a low here the free

The broutsi children grow hanorehage during particultion compressing the motor centres in underforing hot and with he vounant bas With Greech I to giving use to the Second land of Ideacy through the intellection thay in truth wor to much impared ! there is to Monto That the removal of a clot, or of the advantations tissen (false membrane) Usulting Thereform Any relieve presence Lepuptorus, & to produce a freemander Succession both pluptions & mental -Ju unother Section, 2 cases of the Kind hude the case of S. Baros + W. House The while the multi sour our favourable use to be described . Similarly in cases of traumatic or localued Efilepty these "I undarbled suconagences" to Replance Supposing that the Underlying Degauce Too far. But in giving a proqueres the Wills of Subsequent writers by cica. - Tricial Tesue hund be bours to build The by Droce filealus also there is a fair Juspect of vilief to pressare & coursequent improvement by incans of Keen's without of Trephining followed by drawinge . The following case chrowcled by Brock in the Reone de Chienegie for January 1891, may Was linkceile, I have contractive of the The Trephening to serves of Cohoulsions Indiented by Keen, 3 continction abook

In Chalderen green homonth age during particular " Comp carries the territor conteres the as offered and its tends he even and long and the there to for any these to the Some Clance I have please to the buletter many in Could ber to ture to conformed & there to be Henter that the maried of a sho to go has a terrate terrate lines of allow manufer and litutting therefore they sel . freezence Superferring, & do produce a freemander weter allow for propried & mentel to minter bottom & cours of a thank usher the case of & Barre the trate inter to be a source our presentation in the cases " in factor & Seconsysmond to Clefting All acting these the land stepped topme ref . Out in growing a proprieted lite " limit ligane hands in bours in burnd and see Matelle and there is a fire mander of many pressure & and press in free in faccous of stores lastland of supposed followed by tranky the broke the Charney's for farmary 1894, may We had buffind from harve of hales I as timbered, I have beneral a of the light are following a some of Calcout

I 3 centres behand the left and doing Incatus. It was noticed that there was to fulle " of the due or of the bearing When this was saf weed. Broca punchasid the beatrick with a locar & cumula to wachated to grander of fluck; he Introduced a draining Tube Twenty The canula & allowed it To drain held the gauge decency which were changed the brain affect the Operation. The the Sixtauth day a been marked unproot. was worreid in the child , the toutractive In The sight arm having des alleared The amount of fluid drawed and because progressing less, & ou les 500 day after the offer? the wound lead luting healed , & the child was dis. - charged of - the leorfiled berg hund better playersally & lucutally "The the Class of mental deficiency remeting from hypertrophy of the brain with pressure symptoms the operation of Orinitectory low legitimately be tread the the Lancet of July 27 three is an interesting accord Report of a case of Jucksonan Guleting will alphasen, milled Intellectual unframent to partial hemilitezia, treated by treplicing by her W. anderon of St Thomas' to orgital. The hat was a boy of 13, was the badyed of under break dours, with Efecting , from the + Stari's Grain Sugary le. 262

I com also believed las left and doing acaling the was weard that theme and in the same or of the beaun Courther was represed. Broca function to real rate with a loss of tunula to and an any mangelland for all deard a dear ways late large for In Country & alterent a to main his the cause foreners, alloute were though The tran afree the freealters the the Sufferette dass, I been marked infilled as we for the stated , the touter stores the the rept and every decemptions is trenound of flund denend nor been assissanty leve, I me the 5the day after the Char " the interest line Colored & The dusk methes cion of mutal defections and green before to for the man hate the the count of first 27 thread to an and ment higher garage A course Gulaper and infiliation , and ladertaal loop around I galled " an present to seal of light in the me allineren of St. Thomas Barber C. His halours a bay of 63, was the ballyed of and the analysis the part of + Marie Gran Sugar

lege of lo years. a circle of bour an unch La half in dramilie, was removed from the a from in front of the lower und ofthis fisure of Rolando, on the Left like, Schoring the membrane over the Londolutions of Broom + the lower parts of the presented, I beend carebral pulsations at first indistance, gracky assumed these hatune character. When discharged for the trade al Inoulle after The Operation, he is reported to taken been free from file & from paraly the symptoms Though his willdigence had not great? improved with the Exception of mental issiability tearing been relived. W. anderson. In his remarks upon the case observes that " Le Hell Lemains to be seen Whether a Second operation over the fuccentral Agrouted gype I way hot be Addicable with a breed to influence Justice the still defection intellection functions - my brow Experience of antopene of unbeales with whereas in produce has Shown dawn packytucangelis, Sands Thickening of article coals, & alightical convolutions, I a prime one would had to refuce quarties proceeders to be bery successful in this class of cases -To seem up the lord in ce loc lung lay that Clausectomy is but sally of redinary Conguestal unar occphalus Lehalding from accebral againeses, but possibly it may good in the same cases to a mother buttoms aluder her owning chalter and

12 of premative typestosis werting from ourse hyperplasia - She cause due to pressue from transaction comments also the mark that Thurston's for its whip are of course Acres and the Count funs los paras earles of the face that, I as mental defect with hamplegia on alterior resulting from how making surfact gover the interreg them make during the process of partiritive - Her brath palsies of Degoroces - In the asked finds about at these martings of the as a fact . Aller that the regard to the hearth and Simon the an I'm there there have before the the form unentra that the defect to the brace to be fill the fail for hand for is of the hatere of porce copleaters, in which an operation with the fulle. He hydrocopleater Cases I'm Cases of and has successed and and and 28.85.8 Mar 10.0 Contract by part ropping also Lephining may be of tenefic, I tapping has later here advantageous frances to in cases of the contact having the will officers. Much Lasty but A underson's case thorow in the last tange the report the Card Frances that destant in some hatter a dera & parter and the incourse & You have been for That Temporney benefit at any late televised and a over to inflorence may use for the selief of pressure by menutrance in the case of typhick the interities . Whither in the fature it your a set of the set of the set of in a start of the second may be possible to ulcuse convolutions · 30 2 hound down by undidly That and membranes, F coursepender likely to attophy is a question of Jusque at It the not the lond men and the but with the unproach & unproving a that almaniting as ful raded of Technique of offication procedure il is hot safe to say that anything is concerned beauched in cross of the

& presentions topseller and here from Orthernes any gerty laber - She Cases due to a hassen from home and and and Courses for do using are of courses meters al it effect would be acoustance and athat and realizing from her and there duy blue proceed of pictured are the beach findous of D' gaves - In this allere hadre a m. to of the whether the fortenergebraters, the . Ila Files de les the as a level toreland authorightate Cares 9 and careral bufferstrapping also his placency any be of scarfed , I lighten on the to the privility and go and and I had a sudias here ing the will " factors is to releasered Eader factors Charle Land g the total stand causes beauties as any have to an arrive for me the cology paras in by and alles to the the fill that the Gent cordely . What Six in lise fulling all as to to the selection and the Composition and Emil and towardedly light and the man himsen & Carl and the the fait to at where its a great car of Surger all. to Wheath & there was all a constance? lardly that have for and I leave