

**Syllabus of lectures on the principles and practice of surgery, delivered in the Medical and Surgical Theatre, Brown's Square, Edinburgh / [James Syme].**

**Contributors**

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SYLLABUS OF LECTURES  
ON THE  
PRINCIPLES AND PRACTICE  
OF  
**SURGERY,**

DELIVERED IN THE  
MEDICAL AND SURGICAL THEATRE,  
BROWN'S SQUARE, EDINBURGH.

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BY  
JAMES SYME,  
FELLOW OF THE ROYAL COLLEGES OF SURGEONS  
IN LONDON AND EDINBURGH.

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EDINBURGH:  
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1827.

Syllabus of Lectures

ON THE

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IN LONDON AND EDINBURGH

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## PLAN OF THE COURSE.

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- I. INTRODUCTORY.
- II. INFLAMMATION.
- III. CONSEQUENCES OF INFLAMMATION.
- IV. SURGERY OF BLOOD-VESSELS.
- V. EXTERNAL INJURIES.
- VI. AMPUTATION.
- VII. SURGERY OF BONES.
- VIII. \_\_\_\_\_ JOINTS.
- IX. \_\_\_\_\_ MUSCLES.
- X. \_\_\_\_\_ TENDONS.
- XI. \_\_\_\_\_ THROAT.
- XII. \_\_\_\_\_ THORAX.
- XIII. \_\_\_\_\_ ABDOMEN.
- XIV. \_\_\_\_\_ PELVIS.
- XV. \_\_\_\_\_ BRAIN AND NERVES.
- XVI. \_\_\_\_\_ SKIN.
- XVII. \_\_\_\_\_ EYE.
- XVIII. \_\_\_\_\_ MOUTH.
- XIX. \_\_\_\_\_ NOSE.
- XX. \_\_\_\_\_ EAR.

## I. INTRODUCTORY.

Definition of Surgery ..... Its great Importance and Interest.....How to be learned.....The Object of Lectures.....Plan of my own Course.

## II. INFLAMMATION.

Constitution of the Body.....Vascular and non-vascular parts. .... Action of vascular parts ..... Natural and unnatural. .... Unnatural may be destructive or restorative of structure. .... Condition generally intermediate between natural and unnatural action. .... Inflammation. .... Symptoms of Inflammation.....Redness.....Swelling ..... Heat.....Pain ..... Derangement of Function.....Symptomatic Fever.....State of Blood. .... Nature of Inflammation ..... Obstruction ..... Debility. .... Objections to Mechanical Explanations. .... Proofs that the Fluids of Organic Beings are moved by Attraction as well as Impulsion.....Definition of Inflammation.....Division into acute and chronic. .... Terminations. Causes of Inflammation ..... Direct, or Irritations;..... Indirect, or Disturbances in the Balance of Action.....Treatment of Inflammation. .... Object of Treatment ..... Resolution ..... Removal of cause.....General bleeding.....Venesection.....Arm.....Neck.....Foot, &c.....Arteriotomy. .... Effects of loss of blood.....Re-action.....Local bleeding ..... Scarifying ..... Cupping.....Leeching ..... Purgatives ..... Injections ..... Diaphoretics..... Warm bath.....Fomentations.....Poultices.....Depressing medicines.....Astringents.....Stimulants ..... Counter-irritants.....Friction.....Rubefacients

..... Blisters ..... Eruptive ointments ..... Moxa .....  
 Actual Cautery ..... Issues ..... Setons ..... Acu-  
 puncturation.....Choice of Remedies.

### III. CONSEQUENCES OR TERMINATIONS OF INFLAMMATION.

#### 1. *Mortification.*

Definition.....Description.....Local Symptoms.....  
 Constitutional Symptoms. .... Connection be-  
 tween local and constitutional Symptoms. ....  
 Causes of Mortification, or Circumstances in-  
 ducing inflammation to terminate in Morti-  
 fication.....1. Weakness.....of Tissue.....of Indivi-  
 dual.....of Part. .... 2. Excessive Irritability, or  
 Disposition to act. .... 3. Excessive Irritation.  
 ....Treatment. .... Preventative.....Remedial.....  
 Question as to Amputation.

#### 2. *Effusion.*

*a.* Of Serum. .... Œdema. .... Dropsy. .... *b.* Of  
 Lymph ..... Superficial. .... False membranes.....  
 Interstitial ..... Thickenings. .... Union by first  
 intention.....Not preceded by Inflammation.....  
 Principles for the treatment of incised wounds.

#### 3. *Absorption.*

Description of Action implied by this term .....  
 Causes.....Effects.....Mode of inducing.

#### 4. *Granulation.*

Description of.....Cicatrisation..... Question as to  
 Reproduction.....Proofs that it is a Delusion,  
 except in the case of Bones.....Remedy of Con-

tractions caused by Cicatrisation.....Ulcers .....  
 Definition.....Mode of treating ..... When tend-  
 ing to heal ..... When not tending to heal. ....  
 Owing, 1. To defect of action.....2. To excess  
 of action. ....3. To other causes. .... Particular  
 Remarks on Ulcers of the Legs. ....Scorbutic  
 Ulcers.....Sloughing Ulcers.....Hospital Sore.....  
 Ulcers of the Genitals.

#### 5. *Suppuration.*

Properties of Pus.....*a.* Superficial Suppuration,  
 .....Runnings.....Treatment of acute ..... of chro-  
 nic.....*b.* Interstitial Suppuration.....Abscess.....  
 Treatment of acute.....of chronic. .... Hectic Fe-  
 ver.....Sinuses.....Fistulas.

#### 6. *Diseased Nutrition.*

Division of Tumours into those depending on  
 Displacement, and those depending on Mor-  
 bid Growth. .... General Remarks on Morbid  
 Growths. .... Sarcomatous Tumours ..... Vas-  
 cular ..... Adipose.....Cystic.....Carcinomatous .....  
 Medullary.....Scrofulous.....Encysted.

### IV. SURGERY OF BLOOD-VESSELS.

Arteries.....General remarks.....Consequences of  
 Inflammation affecting their Coats.....Wounds  
 of Arteries.....Opinions as to their reparation.  
 .....Mode of repressing Arterial Hæmorrhage.  
 .....Ligature ..... Pressure ..... Styptics.....Hæmor-  
 rhagic Diathesis ..... Transfusion. .... Aneurism  
 ..... Definition. .... Question as to formation of  
 Sac..... Aneurisms divided into True ..... *a.* By  
 Dilatation.....*b.* By Rupture of Internal Coats;  
 .....and False.....Symptoms of Aneurism.....Na-

tural Course of Aneurism. .... Treatment ....  
 Starvation. .... Pressure. .... Ligature .... Bad con-  
 sequences. .... Proper principles of its applica-  
 tion. .... Internal Aneurisms. .... External Aneu-  
 risms .... Popliteal. .... Surgical Anatomy. ....  
 Operation. .... After treatment. .... Surgical Ana-  
 tomy of Arteries below Knee. .... Operations  
 for their Ligature. .... Surgical Anatomy of  
 Iliac Arteries. .... Femoral .... Inguinal .... and  
 Glutæal Aneurism. .... Operations. .... Surgical  
 Anatomy of Arm. .... Operations. .... Surgical  
 Anatomy of Neck. .... Operations. .... Ligature  
 of Carotid .... Subclavian .... and Innominata.  
 Aneurism by Anastomosis. .... Description. ....  
 Distinction from Nævus. .... Treatment. ....  
 Pressure. .... Ligature of Trunks. .... Excision.  
 Aneurism of Bones. .... Varicose Aneurism. ....  
 Veins. .... General Remarks on their Structure,  
 &c. .... Inflammation of Veins. .... Causes. ....  
 Treatment. .... Wounds. .... Bloody Tumours  
 from their Rupture. .... Nævus. .... Varix. ....  
 Aneurismal Varix.

## V. EXTERNAL INJURIES.

Wounds .... Incised. .... Treatment. .... Remarks on  
 the performance and after-treatment of Ope-  
 rations in general. .... Punctured Wounds. ....  
 Contused Wounds. .... Ecchymosis. .... Gun-  
 shot Wounds. .... Injuries from Cold .... Chil-  
 blains .... Frost-bite. .... Injuries from Heat. ....  
 Treatment of slight Burns. .... of severe Burns  
 .... Injuries from Poisons. .... Mineral .... Vege-  
 table. .... Animal .... Natural Animal Poisons ....  
 Morbid Animal Poisons.



## VI. AMPUTATION.

History of Circular Incision. .... Best mode of operating in this way. .... History of Flap Method. .... Amputation of Fingers and Toes .... of Metatarsus and Tarsus .... of Leg .... of Thigh .... of Arm .... at Shoulder-joint .... at Hip-joint.

## VII. SURGERY OF BONES.

General Remarks on their Structure and Growth. .... Fractures. .... Causes. .... Simple Fracture. .... Compound Fracture. .... Reparation. .... Treatment of Simple Fractures. .... Treatment of Compound Fractures. .... Question as to Amputation. .... Fracture of Toes. .... Metatarsus. .... Fibula. .... Tibia and Fibula. .... Patella. .... Femur .... through its Shaft .... through its Condyles. .... through its Trochanters .... through its Neck. .... Fingers. .... Metatarsus. .... Radius. .... Radius and Ulna. .... Olecranon. .... Humerus. .... through its Shaft. .... through its Condyles .... through its Neck. .... Clavicle. .... Acromion. .... Sternum. .... Ribs .... Pelvis. .... Vertebrae. .... Lower Jaw. .... Nose. .... Cranium. .... Detachment of Epiphyses. .... Bending of Bones. .... False Joints .... Remedy. .... Inflammation of Bones. .... Periostitis .... Treatment of Acute. .... of Chronic .... Exostosis .... Solid .... Hollow .... Acicular, or Foliated. .... Absorption of Bones. .... Mortification, or Necrosis. .... Causes. .... Necrosis of external Surface .... of internal Surface .... of whole Thickness. .... Opinions as to Restoration .... Treatment. .... Necrosis of particular Bones. .... Caries .... Description ....

Causes.....Treatment. .... Osteo Sarcoma.....De-  
 scription.....Treatment..... Rachitis .... Descrip-  
 tion ..... Treatment. .... Mollities Ossium.....Af-  
 fections of Spine.....Inflammation.....Suppura-  
 tion.....Lumbar and Psoas Abscess, .... Caries.  
 ....Lateral Curvature.....Club Foot.

#### VIII. SURGERY OF JOINTS.

General Remarks on Connections of Bones.....  
 Symphysis. .... Articulation. .... Structure of  
 Joints.....Strains.....Dislocations in general. ....  
 Symptoms .... Causes .... and Treatment ....  
 Dislocation of Shoulder .... Elbow.....Wrist.....  
 Thumb .... Fingers.....Clavicle.....Lower Jaw.....  
 Vertebrae .... Hip-joint .... Knee .... Ankle ....  
 Astragalus..... Wounds of Joints.....Compound  
 Dislocation. .... Inflammation of Joints. ....  
 Dropsy of Joints. .... Absorption of Cartilage.  
 .... Suppuration.....Anchylosis.....Loose Carti-  
 lages.....White Swelling.....Morbus Coxarius.

#### IX. SURGERY OF MUSCLES.

Inflammation. .... Rupture.....Contusions.....Con-  
 traction.....Absorption.....Displacements.

#### X. SURGERY OF TENDONS.

Rupture.....Wounds.....Ganglion.....Bursæ.

#### XI. SURGERY OF THROAT.

Surgical Anatomy.....Cut-Throat.....Stricture of  
 Œsophagus.....Foreign Bodies.....Extraction.  
 ....Œsophagotomy.....Stomach Pump.....Tra-  
 cheotomy. .... Laryngotomy.....Bronchocele.....  
 Tumours of other kinds.

## XII. SURGERY OF THORAX.

Wounds.....1. Not penetrating.....2. Penetrating,  
 ..... 3. Penetrating with Wound of Lungs.....  
 4. Wound of Lungs and Pleura Costalis with-  
 out external opening.....Emphysema. .... Gun-  
 shot Wounds of Chest. .... Paracentesis. ....  
 Diseases requiring it.....Operation.....Mamma.  
 .... Description. .... Inflammation. .... Suppura-  
 tion..... Milk Abscess.....Deep-seated Chronic  
 Abscess. .... Irritable Tubercle. .... Chronic  
 Hardness. .... Scirrhus.....Cancer. .... Question  
 as to Extirpation..... Operation..... Medullary  
 Sarcoma.....Cystic Tumours, &c.....Mammilla.  
 .... Glands of Axilla. .... Suppuration.....Extir-  
 pation.

## XIII. SURGERY OF ABDOMEN.

Wounds ..... of Parietes ..... penetrating ..... with  
 wound of Intestines. .... Wounds of Viscera  
 without external aperture. .... Gastrotomy. ....  
 Paracentesis. .... Cases requiring it. .... Opera-  
 tion.....Hernia..... Surgical Anatomy of Ingui-  
 nal.....Description of Common.....*a.* external .....  
*b.* internal.....Congenital.....Infantile?.....Causes.  
 ....Symptoms of Reducible ..... Incarcerated.....  
 Strangulated. .... Treatment of Reducible .....  
 Incarcerated ..... Strangulated. .... Operation.  
 .... Preternatural Anus. .... Surgical Anatomy  
 of Femoral..... Description.....Causes.....Symp-  
 toms.....Treatment.....Operations. .... Umbilical  
 and Ventral Hernia. .... Perineal, &c. .... In-  
 tususception.

## XIV. SURGERY OF PELVIS.

Rectum. .... Imperforate Anus. .... Stricture. .... Foreign Bodies. .... Ascarides. .... Prolapsus Ani. .... Hæmorrhoids. .... Fistula in Ano.

*Urinal Organs.*

Kidneys. .... Inflammation. .... Suppuration. .... Calculus. .... Nephrotomy. .... Ureter. .... Description. .... Obstructed by Calculus. .... Bladder and Urethra. .... Surgical Anatomy. .... Retention of Urine .... from 1. Palsy. .... How induced .... Introduction of Catheter. .... 2. Spasm .... Causes. .... Treatment. .... 3. Enlarged Prostate. .... Symptoms. .... Treatment. .... Abscess of Prostate. .... Calculi of ditto. .... 4. Stricture of Urethra .... Causes. .... Symptoms. .... Treatment. .... Fistula in Perinæo. .... Extravasation of Urine. .... Puncture of Bladder. .... Above Pubes .... from Perinæum .... through Rectum. .... 5. Rupture of Urethra .... how caused. .... Remedy. .... 6. Calculus .... Formation .... Composition .... Symptoms .... Sounding .... Treatment .... Palliative .... Radical .... *a.* By Removal through Urethra. .... *b.* By Excision. .... History of Lithotomy .... Apparatus Minor Apparatus Major .... Lateral Operation .... Surgical Anatomy .... Proper Mode of performing the Operation .... Alleged Improvements since Cheselden shewn to be no Improvements. .... Late Proposal for renewing the old Plan of beginning the Operation one day, and finishing it on another. .... Lithotomy above the Pubes. .... Lithotomy by the Rectum. .... Incontinence of Urine .... From

Palsy ..... From Irritable Bladder.....Common,  
 but most mischievous mistaking of its Sym-  
 toms for those of Stone or Stricture .....Treat-  
 ment ..... Hæmaturia ..... Retention of Urine in  
 Female ..... Calculus of Bladder in Female .....  
 Removal by Dilatation.....By Operation.

### *Genital Organs.*

History of Venereal Diseases ..... Syphilis.....Go-  
 norrhœa ..... Symptoms ..... Treatment.....Chor-  
 dee. .... Inflamed Absorbents ..... Bubo.....Gleet  
 .....Preputial Gonorrhœa ..... Warts.....Sores of  
 Penis ..... Of Mechanical Origin. .... Of Poi-  
 sonous Origin.....Constitutional Symptoms.....  
 Sloughing Sore..... Phymosis. .... Paraphymo-  
 sis.....Cancer of Penis.....Amputation of Penis.  
 .....Excision of Clitoris.....Imperforate Vagina,  
 ..... Extirpation of Uterus..... Of Uterine Poly-  
 pus ..... Testicle ..... Hydrocele ..... Diagnosis .....  
 Treatment.....Palliative.....Radical ..... By Exci-  
 sion ..... By Incision ..... Seton ..... Injection .....  
 Hæmatocele.....Circocele.....Hernia Humoralis  
 .....Chronic Enlargement of Testicle.....Abscess  
 of Testicle.....Scirrhus.....Medullary Sarcoma,  
 &c.....Castration. .... Scrotum ..... Enlargement.  
 Cancer.

### XV. SURGERY OF NERVOUS SYSTEM.

Anatomical Description of the Brain and  
 Nerves. .... Inflammation of the Brain and its  
 Membranes.....Consequences.....Hydrocephalus  
 ..... Acute ..... Chronic. .... Absurdity of Pa-  
 racentesis.....Effects of Violence .....Concussion  
 ..... 1. Of the Cerebral Substance ..... Causes .....

Symptoms ..... Treatment. .... 2. Of the Membranes.....Causes .....Symptoms and Treatment  
 ..... Compression ..... Cause ..... Symptoms .....  
 Treatment ..... Trepan. .... Wounds of Brain  
 ..... Hernia Cerebri ..... Fracture ..... Fissure  
 ..... Depression ..... Puncture ..... Contusion of  
 Cranium.....Exposure of Cranium.....Wounds  
 of Scalp. .... Contusions of Scalp. .... Congeni-  
 tal Tumours of Head. .... Encysted Tumours  
 of Scalp. .... Spinal Marrow. .... Spina-Bifida  
 ..... Description ..... Treatment. .... Injuries of  
 Spinal Marrow ..... Concussion.....Compression  
 Fracture. .... Nerves. .... Injuries of Nerves. ....  
 Effect of Pricks.....Partial Division.....Lacera-  
 tion and Lodgment of Foreign Bodies.....Tic  
 Douloureux.....Tetanus.....Tumours of Nerves.  
 ..... Subcutaneous Nervous Tubercle. .... En-  
 largement of Truncated Extremities.

#### XVI. SURGERY OF SKIN.

Anatomy of Skin. .... Inflammation of Skin. ....  
 Erysipelas.....Symptoms.....Causes.....Treatment.  
 ..... Phlegmonous Erysipelas. .... Œdematous  
 Erysipelas. .... Gangrenous Erysipelas..... Fu-  
 runculus or Boil. .... Anthrax or Carbuncle.  
 ..... Cutaneous Diseases ..... General Remarks  
 on their Causes and Treatment. .... Warts.....  
 Callosities.....Corns.....Hair.....Nails.....Invert-  
 ed.....Onychia.....Paronychia.

#### XVII. SURGERY OF EYE.

Anatomical Description of Eye and Appen-  
 dages. .... Conjunctiva. .... Inflammation. ....  
 Acute Ophthalmy.....Chronic.....Consequences.

..... Purulent Discharge ..... Infantile ..... Gonorrhœal. .... Egyptian. .... Granular Surface. .... Nebula. .... Pterygium. .... Ulcer.....Sclerotic..... Inflammation.....Iris.....Inflammation.....Consequences of Iritis ..... Hypopion. .... Operations for Artificial Pupil. .... Vascular Cornea ..... Abscess of.....Perforation..... Prolapsus Iridis. .... Staphyloma. .... Retina. .... Inflammation. .... Medullary Sarcoma.....Extirpation of Eyeball.....Cataract.....Symptoms.....Causes.....Treatment.....Lenticular..... Displacement ..... Extraction.....Breaking up.....Capsular.....Eye-lids. .... Ophthalmia Tarsi. .... Hordeolum. .... Ectropium. .... Warts. .... Encanthis. .... Entropium. .... Trichiasis. .... Lachrymal Gland.....Extirpation of Orbital Tumours.....Epiphora.....Operation. .... Abscess of Sac.....Fistula Lacrymalis.

### XVIII. SURGERY OF MOUTH.

Anatomical Description of Mouth and Appendages ..... Salivary Glands ..... Fistula ..... Calculus ..... Ranula ..... Extirpation of Parotid Tumours.....of Sub-maxillary do.....of Sub-lingual do ..... Cancer of Lip. .... Hare Lip.....Split Palate. .... Wounds of Tongue. .... Ulcer of Tongue.....Cancer of do.....Extirpation of do. .... Swelling of Tongue. .... Short Frænum. .... Teeth.....Remarks on Growth, &c..... Extraction. .... Stumps, &c. .... Gum-boil.....Cancrum Oris. .... Epulis. .... Malignant Tumours of Gums. .... Excision of Jaws. .... Tonsils..... Inflammation. .... Abscess. .... Chronic enlargement.....excision.

## XIX. SURGERY OF NOSE.

Anatomical Description.....Epistaxis..... Polypus  
 ..... Mucous ..... Warty ..... Fibrous. .... Foreign  
 Bodies. .... Antrum Maxillare. .... Abscess. ....  
 Polypus.....Frontal Sinuses ..... Abscess of, &c.  
 ..... Noli-me-tangere.....Cancer of Nose..... Am-  
 putation.....Restoration.

## XX. SURGERY OF EAR.

Anatomical Description of ..... Inflammation. ....  
 Purulent Discharge..... Polypus.....Accumula-  
 tion of Wax.....Foreign Bodies.....Obstruction  
 of Eustachian Tube. .... Puncture of Tympa-  
 num.



