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UNIVERSITY
OF
BISHOP'S COLLEGE.

EIGHTH ANNUAL ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE,
MONTREAL.

SESSION 1878-79.

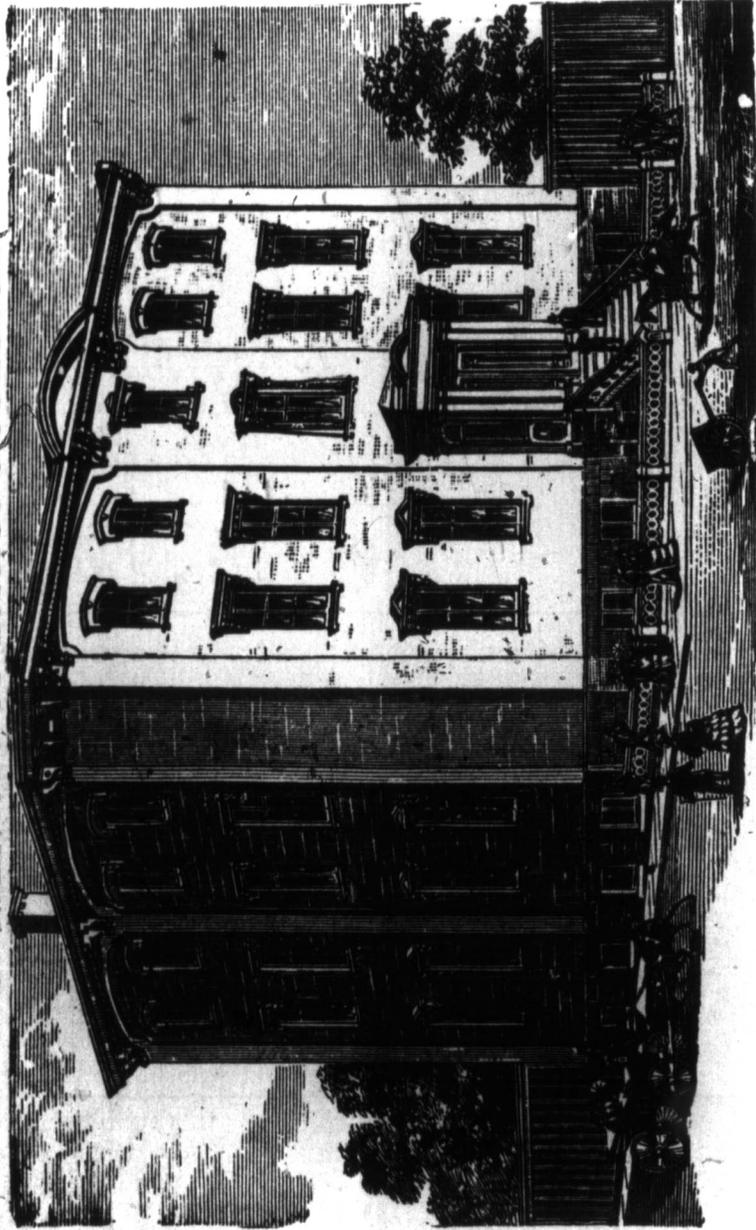


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Montreal:
PRINTED BY LOVELL PRINTING AND PUBLISHING COMPANY.

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UNIVERSITY OF BISHOP'S COLLEGE,



MEDICAL DEPARTMENT,
(ONTARIO STREET, MONTREAL.)

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MEDICAL DEPARTMENT,
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1878.

All communications relating to the Medical Department of this University should be directed either to the Dean of the Medical Faculty, DR. DAVID, 42 Beaver Hall Terrace, or to the Registrar, DR. F. W. CAMPBELL, 10 Phillips Place, Beaver Hall.

Students, on arriving in this city, should call upon either of the above gentlemen, when they will receive all necessary information.

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G. F. BOWEN, B.
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R. HAMILTON,
H. G. JOLY, ESQ.
REV. R. LINDSAY
T. MACFARLANE

The Rev. J. BR
E. CHAPMAN, ESQ.
L. H. DAVIDSON
The Rev. J. FOS
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The Hon. G. IRV
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E. CHARMAN, ESQ.
The Rev. R. C. T

CORPORATION
OF THE
UNIVERSITY OF BISHOP'S COLLEGE.

PRESIDENT OF THE CORPORATION AND VISITOR :
THE RIGHT REV. THE LORD BISHOP OF QUEBEC.

VICE-PRESIDENT OF THE CORPORATION AND VISITOR :
THE MOST REV. THE LORD BISHOP OF MONTREAL, METROPOLITAN.

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Vice-Chancellor.

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The Rev. Professor SCARTH,
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The Rev. HENRY ROE, M.A., Professor of Divinity.
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The Rev. R. C. TAMBS, M.A., Professor of Mathematics.
The Rev. A. C. SCARTH, M.A., Librarian.
E. CHARMAN, Esq., M.A., Bursar.
The Rev. R. C. TAMBS, M.A., Curator of Museum.

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Faculty of Medicine.

- A. H. DAVID, M.D.,** Edin., L.R.C.S.E., D.C.L., DEAN, PROFESSOR OF THEORY AND PRACTICE OF MEDICINE, 42 *Beaver Hall Terrace.*
- J. L. LEPROHON, M.A., M.D., C.M.,** PROFESSOR OF HYGIENE, 237 *St. Antoine Street.*
- F. W. CAMPBELL, M.A., M. D., L.R.C.P. Lond.,** PROFESSOR OF PHYSIOLOGY, REGISTRAR, 10 *Phillips Place, Beaver Hall.*
- J. B. EDWARDS, Ph.D., D.C.L.,** PROFESSOR OF PRACTICAL CHEMISTRY AND MICROSCOPY, *Beaver Hall Hill.*
- B. A. KENNEDY, M.A., M.D., C.M.,** PROFESSOR OF MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN, 139 *Bleury Street.*
- G. WILKINS, M.D., M.B.C.S. Eng.,** PROFESSOR OF PATHOLOGY, LECTURER ON PRACTICAL PHYSIOLOGY, AND PRACTICAL HISTOLOGY, 167 *St. Antoine Street.*
- A. H. KOLLMYER, M.A., M.D.,** PROFESSOR OF MATERIA MEDICA AND THERAPEUTICS, LECTURER ON PRACTICAL PHARMACY, 95 *St. Alexander Street.*
- J. PERRIGO, A.M., M.D., C.M., M.B.C.S. Eng.,** PROFESSOR OF MEDICAL JURISPRUDENCE, 591 *St. Catherine Street.*
- J. B. McCONNELL, M.A., M.D., C.M.,** PROFESSOR OF BOTANY AND ZOOLOGY, LIBRARIAN, 157 *Bleury Street.*
- G. F. SLACK, B.A., C.M., M.D., M.B.C.S. Eng.,** PROFESSOR OF SURGERY, 142 *Peel Street.*
- CASEY A. WOOD, C.M., M.D.,** PROFESSOR OF CHEMISTRY, 135 *Wellington Street.*
- GEORGE E. ARMSTRONG, M.D.,** LECTURER ON ANATOMY, *St. Joseph Street.*
- DONALD BAYNES, M.A., M.D., C.M., L.R.C.S. Edin.,** LECTURER ON DISEASES OF THE THROAT, 1353 *St. Catherine Street.*
- ALEXANDER PROUDFOOT, M.D., C.M.,** LECTURER ON DISEASES OF THE EYE AND EAR, 37 *Beaver Hall Terrace.*
- ALEXANDER BLACKADER,** LECTURER ON PHYSICAL DIAGNOSIS, 1 *Belmont Street.*
- ANDRE LATOUR, C.M., M.D.,** DEMONSTRATOR OF ANATOMY, *St. Lawrence Street.*
- ANTHONY KERRY, C.M., M.D.,** CURATOR OF MUSEUM.

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R OF PRACTICAL
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DR OF MIDWIFERY
DREN, 139 *Bleury*

R OF PATHOLOGY,
AND PRACTICAL

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g., PROFESSOR OF
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R OF BOTANY AND

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CHEMISTRY, 135

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Edin., LECTURER
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THE
Faculty of Medicine

OF THE

UNIVERSITY OF BISHOP'S COLLEGE

Will open their eighth session, in Montreal, on Tuesday, the first day of October, 1877, with an introductory lecture by

PROFESSOR, J. BAKER EDWARDS.

With the exception of a short vacation at Christmas, the session will continue till the end of March next.

The rapidly increasing number of students attending this College shows that the practical method of teaching adopted by the Faculty is attended with the most complete success. The subjects taught and the methods of imparting information are based upon the requirements of the Medical Colleges of Great Britain, and of the various acts regulating the study of medicine in Canada. Each department, where it is possible to illustrate practically, is furnished with the most modern and improved appliances. The College contains, amongst others, two large lecture rooms, with comfortable seats for the accommodation of the students, a museum, library and laboratories, which last are fitted up with every modern convenience for practical chemistry and the study of microscopy. The dissecting room is large, airy, well-ventilated and well-lighted, both by day and night, affording students every opportunity for prosecuting their work with comfort and health. The physiological laboratory in connection with this College is furnished with the most important and improved scientific apparatus for physiological experimentation, and, at present, is the most complete in Canada.

Students who have attended this University, and completed their course of four years study, desirous of securing the diploma either of the Royal College of Physicians of Edinburgh, the Royal College of Surgeons, England, or the Royal College of Physicians, London, will not be required to attend further lectures, but may present themselves at any time for examination for either of these diplomas (provided they have sufficient hospital attendance), this College being recognized by these British Colleges.

During the summer increased facilities for acquiring knowledge are afforded the students of this University by a "Summer" course of Lectures.

Convocation for the conferring of medical degrees are held in Montreal.

HOSPITAL PRACTICE.

Montreal is particularly rich in the facilities which it affords for hospital practice ; the large number of factories and the enormous shipping furnishing a constant and varied supply of surgical cases.

The Montreal General Hospital (150 beds) is situated within a few minutes' walk of the college, and is visited daily by three physicians besides an ophthalmic surgeon. It affords equal advantages to students of all Medical Colleges for obtaining a practical knowledge of every department of medicine and surgery. A new wing lately added to the institution, used as a Children's Hospital, will greatly assist students in the study of diseases of children. A special department for the treatment of diseases of the eye and ear, under the care of a surgeon specially appointed for these diseases, will give students facilities for their study. The large number of out-patients, averaging about sixty a day, enables the physicians in attendance to impart instruction by selecting cases presenting variety of symptoms and points of comparison and contrast. Practice can be obtained in auscultation, the use of the laryngoscope, the ophthalmoscope, and other means of physical diagnosis. Abundant opportunities are furnished for the study of diseases of women. Clinical instruction is given daily, and all operations performed in the presence of the students.

The Montreal Dispensary, with a staff of eight physicians and an oculist, has an average daily attendance of about forty-five patients. Being in close proximity to the manufacturing district of the city, it has a large number of minor accidents brought to it for attention, thus giving excellent opportunity for the practice of minor surgery—such as dressing wounds, bandaging, strapping, application of splints, &c. The student will have every facility afforded him for acquiring practical knowledge, by auscultation and percussion, of diseases of the chest, which forms a large proportion of the cases seen here. A very large number of cases of diseases of the eye and ear are treated at this Institution, and students will be practically taught the use of the ophthalmoscope.

In practical pharmacy the student has great advantages ; the dispensing is done entirely by students in attendance, under the supervision of the attending physicians. Many useful and practical hints in the compounding of drugs, as well as their doses, are thereby acquired. Clinical instruction will be given by several of the attending physicians on the more important cases which may present themselves.

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The *Women's Hospital* is under the control of the Faculty of Medicine of this University, and consequently offers great facilities to the students of this College who may wish to attend cases of accouchment. The lying-in department is under the direction of the Professor of Midwifery. There is also a daily clinic at 11 a.m. of diseases peculiar to women, which furnishes unequalled advantages to students desirous of successfully treating uterine and other diseases peculiar to females.

The *Hotel Dieu* and *St. Patrick's Hospital* (175 beds) are within easy access from the College. They are visited daily at noon, and allow equal privileges to all students. A large amount of surgery is to be seen at this Hospital.

According to the Medical Act of 1877, in order to register a Diploma in medicine in the Province of Quebec, for the purpose of obtaining a license, it is necessary that all students commencing the study of Medicine after that date, before doing so, must pass a preliminary examination before the examiners appointed by the Board, or produce a certificate of having passed an equivalent preliminary examination before a College or licensing Board recognized by the "Provincial Medical Board." It is also absolutely necessary that the student attends College during three full six months sessions, and of these he is obliged to attend one session during the first year succeeding his obtaining the certificate of qualification to study; further, before obtaining his diploma he must have been engaged *uninterruptedly* in the study of medicine during a period of not less than four years; that is to say, every student who begins the study of Medicine after 1876, must spend six months at some recognized Medical College during his first year,—one year of the following three years may be spent in studying with a medical practitioner—the other two (i.e., three years in all) he must study at College.

Students intending to practice in Ontario are required by the Medical Council of that Province to pass their preliminary examination there before commencing the study of Medicine. Students who have passed the necessary preliminary examination recognized by the Ontario Medical Council will not be required to pass a further preliminary examination in this University.

Although out of the four years study only three sessions are required to be spent at College, it is advisable that the entire period of four years be devoted to attendance on lectures during session, in which case the student is recommended to attend as follows:—

FIRST YEAR.

ANATOMY, PHYSIOLOGY, MATERIA MEDICA, CHEMISTRY, BOTANY, DISSECTION, HOSPITAL PRACTICE.

SECOND YEAR.

ANATOMY, MATERIA MEDICA, CHEMISTRY, PRACTICAL CHEMISTRY, SURGERY, MIDWIFERY, DISSECTION, HOSPITAL PRACTICE AND CLINICAL SURGERY.

THIRD YEAR.

ANATOMY, PHYSIOLOGY, MEDICINE, PRACTICAL HISTOLOGY, DISSECTION, HOSPITAL PRACTICE AND CLINICAL MEDICINE.

FOURTH YEAR.

MEDICINE, SURGERY, PATHOLOGY, MIDWIFERY, MEDICAL JURISPRUDENCE, HYGIENE, HOSPITAL PRACTICE AND CLINICAL LECTURES.

Students who can attend the summer session are strongly advised to do so. They will then have imparted to them much extremely useful information on subjects that cannot be taken up during the more important winter session. The fees are made merely nominal so as to encourage a large attendance. This course is entirely optional.

An *annus medicus* or Medical Session is constituted by at least two full courses of 120 lectures each, or by one such course, and two courses of 60 lectures each, with previous enregistration.

Students are required to enregister their names at the commencement of each session. The registration book of the College will be closed on the first day of December in each year.

Students of this University, who do not reside in the city, on application to the Registrar, will be furnished with certificates, which, through the kindness of the Railway authorities, will entitle them to return tickets from Montreal at greatly reduced rates.

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PRELIMINARY EXAMINATION.

Examiners: Prof. Millar, *Morrin College, Quebec*; Prof. Howe, *High School, Montreal*; Rev. Mr. Laflamme, *Seminary of Quebec*; Rev. Mr. Verreau, *Jacques Cartier Normal School*.

The subjects † of Examination are as follows:—

COMPULSORY SUBJECTS: English, French, Latin, Arithmetic, Algebra, Euclid, History, Geography, Belles-Lettres.

OPTIONAL SUBJECTS: [Candidates can select any one of the following subjects.] Greek, Natural and Moral Philosophy.

Preliminary examinations held at Montreal in the month of April and at Quebec in September.

Fee for this examination—ten dollars. Should the candidate * be unsuccessful, one half the fee will be returned.

PROFESSIONAL EXAMINATIONS.

Each candidate is examined both in writing and *viva voce*. The Primary subjects are * Botany, Chemistry, Practical Chemistry, Anatomy, Physiology, *Materia Medica*. The subjects of the final examination are Practice of Medicine, Surgery, Pathology, Midwifery and Diseases of Women and Children, Medical Jurisprudence and Hygiene.

Students are at liberty to present themselves for examination on Botany at the end of their first session.

Students who have attended two complete courses of Chemistry and *Materia Medica*, and have passed their Examination on Botany, may be admitted to examination on Chemistry, Practical Chemistry and *Materia Medica* at the end of their second year.

Students who have passed their examination on Chemistry and *Materia Medica* may be admitted to the examinations on Anatomy and Physiology at the end of their third year.

Students who have passed their examination on all the Primary subjects may be admitted to the final examination at the end of their fourth year.

Candidates may, if they choose, be admitted to the four examinations at the end of their fourth year.

† For more complete details of preliminary examination, see supplement, page 37.

* A graduate in Arts is not required to pass the examination in Botany.

PRIZES.

Six prizes will be offered for competition during the ensuing Winter Session.

The *Wood Gold Medal*.—A gold medal, presented annually by Dr. Wood of Ottawa, to the student who has attended at least two six months' sessions at Bishop's College, and at the final examination has the highest aggregate number of marks on all the subjects of professional examination.

Prizes in books will be given to :

- 1 The student who passes the best final examination. (The gold medallist cannot compete for this prize.)
- 2 The student who has the highest aggregate number of marks on all the primary subjects, except Botany.
- 3 The student who passes the best examination in Botany.
- 4 The best dissector in the Senior class.
- 5 The best dissector in the Junior class.

No prize will be awarded to any student unless he shall have been classed in Honors in all the subjects of examination. No student will be classed in Honors in any subject unless he has taken at least three-fourths of the whole number of marks that can be obtained. Certificates of Honor will be given to those students who have been classed in Honors in any subject, at any of the examinations.

DAYS AND HOURS OF LECTURES.

	Mon.	Tues.	Wed.	Thurs.	Friday.	Sat'dy.
Anatomy.....	9	9	9	9	9	....
Hygiene.....	....	*0	....	*10	....	....
Physiology.....	10	10	10	10	10	....
Practical Chemistry.....	....	....	*10	....	....	*10
Medicine.....	11	11	11	11	11	....
Hospital.....	12	12	12	12	12	12
Materia Medica.....	2	2	2	2	2	....
Botany.....	3	....	3	....	3	....
Surgery.....	3	3	3	3	3	....
Minor Surgery.....	....	....	....	....	....	3
Midwifery.....	4	4	4	4	4	....
Practical Histology.....	....	....	....	....	....	4
Pathology.....	....	5	....	5	....	....
Medical Jurisprudence.....	5	....	5	....	5	....
Chemistry.....	7	7	7	7	7	....

* These Lectures are delivered during the months of January, February and March.

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TABLE OF FEES.

LECTURES :

Principles and Practice of Medicine..... one course...	\$12 00
" Surgery..... ..	" ... 12 00
Midwifery and Diseases of Women and Children.....	" ... 12 00
Anatomy.....	" ... 12 00
Physiology.....	" ... 12 00
Chemistry.....	" ... 12 00
Materia Medica.....	" ... 12 00
Medical Jurisprudence.....	" ... 10 00
Pathology.....	" ... 6 00
Hygiene.....	" ... 6 00
Botany and Zoology.....	" ... 5 00
PRACTICAL CHEMISTRY (exclusive * of apparatus).....	" ... 12 00
PRACTICAL ANATOMY (Dissections).....	" ... 5 00
PRACTICAL HISTOLOGY.....	" ... 16 00
MATRICULATION.....	2 00
DEGREES (C.M., M.D.).....	20 00
REGISTRATION.....	1 00

HOSPITAL FEES :

Admission Ticket : six months \$8, twelve months.....	\$12 00
Perpetual Ticket.....	20 00
Clinical Lectures on Surgery.....	12 00
" Medicine.....	12 00

SUMMER SESSION :

Complete course except Botany and Microscopy.....	\$10 00
Field Botany.....	5 00
Practical Microscopy.....	5 00

Students are at liberty after having paid for two full courses on any subject to attend subsequent courses on the same subject free.

All fees must be strictly paid in advance. Tickets will be granted only for such courses as have been paid for before the end of the session during which the student attended the lectures.

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LECTURES.

SESSION 1878-1879.

PRINCIPLES AND PRACTICE OF MEDICINE.

BY

AARON H. DAVID, M.D., EDIN., L.R.C.S.E., D.C.L.

It is proposed in these Lectures to give a complete history of the most important constitutional affections, as well as of the diseases which attack the principal organs of the human body.

The distribution of the Course will have some reference to the different systems of organs, the diseases of which will be separately and fully described. Thus diseases of the respiratory, digestive, nervous organs, &c., will constitute distinct sections of the entire Course; and again, the different forms of fever, including the acute febrile diseases of specific character, will form a separate group.

DIGESTIVE SYSTEM: Diseases of the Mouth, Tongue, Salivary Glands, Pharynx, Œsophagus, Stomach, Intestines, Liver and Gall-bladder, Pancreas, Spleen. Cholera.

• Mesenteric Glands, and Peritoneum. Worms.

RESPIRATORY SYSTEM: Diseases of the Larynx, Trachea, and Lungs.

CIRCULATORY SYSTEM: Diseases of the Heart, Arteries, and Veins.

URINARY SYSTEM: Diseases of the Kidneys and Bladder. Diabetes.

FEVERS: Exanthemata, &c.

NERVOUS SYSTEM: Diseases of the Brain, Spinal Cord and Nerves. Chorea. Epilepsy. Delirium Tremens. Hysteria. Locomotor Ataxia.

◆ **GENERAL DISEASES:** Anæmia and Leucocythæmia. Rheumatism. Gout. Scurvy. Dropsy.

CUTANEOUS SYSTEM: Diseases of the Skin and appendages.

Every day, except Saturday, at 11 A.M.

Books recommended—Bristowe, Flint, Watson, Woods, Aitken, Roberts.

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PRINCIPLES AND PRACTICE OF SURGERY.

BY

G. F. SLACK, B.A., C.M., M.D., M.R.C.S., ENG.

This course of lectures will include the principles on which the science of Surgery is founded, and also the chief rules for its practice.

It will be divided into two parts, General and Special.

General Surgery embraces the following subjects:—

INFLAMMATION.—Suppuration, Abscess, Ulcers and Mortification.

INJURIES.—Wounds, Hæmorrhage, Bruises, Dislocation and Fractures.

DISEASES.—Tetanus, Traumatic Delirium, Erysipelas, Pyæmia and Poisoned Wounds.

MORBID GROWTHS.

Special Surgery. These Lectures will include the following:

Diseases of Joints.

Diseases of Arteries, Veins, Nerves, &c.

Injuries of the Skull and Face, Compression and Concussion.

Diseases of Eye, Orbit, Mouth, Nose, Throat, &c.

Diseases of Urinary and Generative organs, Venereal Diseases, &c.

Operations will be performed on the dead body and the different forms of surgical instruments, apparatus, etc., will be shown, and their uses explained.

Also during the session practical demonstrations will be given in bandaging, application of apparatus for setting fractures, bleeding, vaccinating, &c. &c.

Every day, except Saturday, at 4 P.M.

Text Book—Erichsen's Science and Art of Surgery.

Books of Reference—Holmes' System of Surgery, Bryant.

MEDICINE.

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Complete history of the
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PATHOLOGY AND MORBID ANATOMY.

BY

GEORGE WILKINS, M.D., M.R.C.S., Eng.

These lectures are designed to teach the general principles of Pathology, and their application to special morbid changes in the more important organs of the body.

In the lectures embracing the Morbid anatomy of the various organs, PATHOLOGICAL HISTOLOGY will be specially dwelt upon, showing that the coarser alterations in size, consistency, colour, &c., are based upon changes in their structural elements.

Particular attention will be devoted to the Pathology of the following subjects :

HYPERTROPHY—ATROPHY—REPAIR : of wounds, fractures, &c.

The various forms of DEGENERATIONS and INFILTRATIONS : Fatty Amyloid, Calcareous, and Pigmentary.

INFLAMMATION—of Mucous and Serous Membranes—of the Kidney, Liver, Lungs, &c.

BLOOD POISONING : Pyæmia, Septicæmia, Erysipelas, Carbuncle.

TUBERCLE and TUBERCULOSIS—PHTHISIS.

Scrofula,—Syphilis,—Gout and Rheumatism,—Hysteria.

TUMOURS—Thrombosis—Embolism—Cancer.

The lectures will be illustrated by recent specimens and preparations from the museum, as well as by coloured plates and diagrams specially prepared for these lectures.

Every Tuesday and Thursday, at 5 P.M.

Text Book—Green's Pathology and Morbid Anatomy.

Books of Reference—Pathological Histology by Rindfleisch. Surgical Pathology by Paget. Wagner's Manual of General Pathology.

PRACTICAL HISTOLOGY.

This will embrace a course of twenty-five demonstrations by Dr. Wilkins, on microscopic anatomy, physiology and pathology.

Students will be shown the different methods of hardening and softening, of staining and injecting the tissues for microscopical investigation, etc.

Each student will be provided with a microscope and material for preparation, and shown how to make sections, how to mount and preserve the specimens, etc.

Every Saturday, from 4 to 6.

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MIDWIFERY AND THE DISEASES OF WOMEN AND CHILDREN.

BY

RICHARD A. KENNEDY, M.A., M.D., C.M.

ANATOMY of Female Pelvis and Foetal Head, and Organs of Generation,

SPECIAL PHYSIOLOGY OF THE FEMALE;—Menstruation; Generation; Pregnancy, its signs and management.

PARTURITION: I. NATURAL LABOR; its general Phenomena; Mechanism of Labor; Management of Women during Natural Labor; the Puerperal State; Anæsthetics during Labor.

II. UNNATURAL LABOR—From Causes retarding the Process of Labor.

a. From Abnormal condition of expulsive force—Feeble, Irregular Uterine Action, &c.

b. From Abnormal condition of the Uterus and Soft Parts or of the Bony Pelvis, as in Rickets, Mollities Ossium, &c. Operations applicable to the above cases:—Application of the Forceps—Performance of Craniotomy—the Cæsarean Section—Induction of Premature labor.

c. From Abnormal condition of child—Excessive Size of the child, Hydrocephalus, &c., Malposition of the child—Plural Births—Monsters—Operation of Turning.

III. COMPLEX LABOR.

a. Labors especially hazardous to the Mother:—Rupture of Uterus or Laceration of Vagina—Inversion of Uterus—Retention of Placenta—Uterine Hemorrhage, either Accidental or Unavoidable—Puerperal Convulsions.

b. Labors especially hazardous to the child: Prolapsus of the Cord.

DISEASES OF THE PUERPERAL STATE:—Puerperal Fever—Phlegmasia Dolens—Puerperal Mania.

DISEASES OF PREGNANCY:—Retroversion of the Uterus—Premature Expulsion of the Foetus—Molar and Extra Uterine Pregnancy.

DISEASES OF THE UNIMPREGNATED STATE:—Disorder of the Menstrual Function—Diseases of the Uterus; of the Ovaries; of the Vagina and External Organs,

DISEASES OF CHILDREN:—Amount and Causes of Infantile Mortality—Peculiarities of Infantile Organization—General rules of the Investigation and Treatment of Infantile Disease.

Diseases peculiar to early Infancy and Childhood.

Every day, except Saturday, at 4 P.M.

Books recommended—Midwifery: Meadows, Leishman, Schroeder
Diseases of Women: Thomas, Barnes. Diseases of Children
Smith, Meigs and Pepper, West.

MEDICAL JURISPRUDENCE.

(including Toxicology and Psychology.)

JAS. PERRIGO, A.M., M.D., M.R.C.S. ENG.

The purpose of these lectures is to bring, as far as possible, within a reasonable compass, the application of medical knowledge to medico-legal investigation.

Special attention will be devoted to—

MEDICAL EVIDENCE—Medical Mal-practice.

PERSONAL IDENTITY—Identity of the Living and Dead. Determination of Age and Sex from Skeleton.

REAL AND APPARENT DEATH—Sudden Death.

DEATH OR INJURY from Apnoea, from Hanging, Drowning, Suffocation and Strangulation.

DEATH OR INJURY from Starvation, Cold, Lightning, Heat and Sunstroke.

WOUNDS AND PERSONAL INJURIES—Homicidal, Suicidal and Accidental.

BURNS AND SCALDS.

PREGNANCY—Infanticide, Foeticide, Rape.

TOXICOLOGY—Classification of Poisons, General Evidence of Poisoning and Diseases liable to be confounded with effects of Poisons.

POISONS most COMMONLY in USE—Diagnosis, mode of detection, and treatment in each case.

LIFE INSURANCE.—Concealment of habits. Concealment of Disease.

PSYCHOLOGY.—Different forms of Insanity. Legal Relations.

PATHOLOGY AND TREATMENT.

Monday, Wednesday and Friday, at 5 P.M.

Text Books.—Guy's Forensic Medicine; Taylor's Medical Jurisprudence; Blandford on Insanity.

Books of Reference.—Beck, Wharton and Stillé, and Casper on Medical Jurisprudence; Maudsley on Physiology and Pathology of the Mind. Winslow on Brain and Mind.

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HYGIENE ; OR, STATE MEDICINE.

BY

JEAN LUKIN LEPROHON, M.A., M.D., C.M.

The lectures on this subject, the importance and value of which is now universally admitted, are intended :—

To teach the application of Sanitary Science to questions concerning Public Health.

To afford rules for the conduct of the Medical Practitioner in Sanitary Inquiries.

To inculcate the use of suitable Hygienic Measures in the prevention and arrest of Contagious Diseases.

To confer such knowledge of the principle of State Medicine as it is desirable that every medical man should possess.

The following are some of the important subjects that will be treated :—

FOOD—Digestibility—Adulterations—Diseases connected with food.

WATER—The effects of impurities on public health.

VENTILATION—Quantity of air required, &c.

OFFENSIVE TRADES—Their management.

SEWERAGE—Influence on death-rate of cities.

MEDICAL STATISTICS.

PRISONS—REFORMATORIES.

PAUPERISM—CRIME—INSANITY.

The effect of CLIMATE on health.

Tuesdays and Thursdays, at 9 A.M.

Books recommended—*Traité d'Hygiene*, par M. Lévy ; *Practical Hygiene*, by Parkes.

PHYSIOLOGY.

BY

FRANCIS WAYLAND CAMPBELL, M.A., M.D., L.R.C.P. LOND.

These lectures will be devoted to the consideration of the structure, composition and properties of the several Fluids, TISSUES, and Organs of the Body ; the natural changes through which they pass ; and the functions they discharge. The following subjects will be described :—

The Structural and Chemical Composition of the HUMAN BODY.

The Principal Elementary TISSUES : Epithelium, Areolar and Fibrous Tissues, Adipose Tissue, Cartilage, Bone.

Serous, Synovial, and MUCOUS MEMBRANES.

The BLOOD.

The CIRCULATION : the structure and functions of the Heart Arteries, Capillaries, and Veins.

RESPIRATION : the Anatomy of the Lungs and Air-passages.

DIGESTION, with a description of the Mouth, Teeth, Salivary Glands, Stomach, Intestinal Canal, Pancreas, and Liver. FOOD.

ABSORPTION : Lymphatic Vessels and Glands ; Lymph and Chyle—their relation to the Blood.

The blood-elaborating GLANDS : the Spleen, Thyroid, Thymus, Renal Capsules, &c.

NUTRITION, and the consideration of ANIMAL HEAT, &c.

SECRETION : the Kidneys, the Mammary Gland, and other Glands not elsewhere described.

The SKIN and its Appendages.

MOTION : Cilia, Muscle.

The NERVOUS SYSTEM : the structure and functions of Nerves and Nerve-Centres, the Spinal Cord, Brain, &c.

The Physiology of the MIND. The SENSES. The VOICE and SPEECH. REPRODUCTION and DEVELOPMENT.

Every day except Saturday at 10 A.M.

Books recommended—Kirke, Dalton, Marshall, Carpenter, Foster.

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DESCRIPTIVE AND SURGICAL ANATOMY.

BY

GEORGE E. ARMSTRONG, M.D., C.M.

This course of lectures will embrace a minute and detailed description of the various systems of which the Human Body is composed severally, and in their relations to each other and to the more practical points, in Surgery.

Reference will be made, as occasion offers, to Surgical Diseases, and the relative position of parts will be dwelt upon so as to embrace Regional Anatomy. The lectures will be illustrated by careful dissections, preparations, plates, &c., and will be delivered in the following order:

I.—OSSEOUS SYSTEM AND JOINTS.—This includes a description of the several bones composing the Skeleton, and of the Ligaments connecting them together so as to form Joints.

II.—MUSCULAR SYSTEM.—The attachment and function of Muscles, their action in regard to fractured bones, and their position as guides to Surgical operation, will be pointed out. In this part will also be given the Anatomy of the Perineum and of Inguinal and Femoral Hernia.

III.—VASCULAR SYSTEM.—Arteries and Veins. The course and relations of the Arteries and their more frequent peculiarities. Regional Anatomy will be described in this part of the course.

IV.—NERVOUS SYSTEM.—Comprising the Brain, Spinal Cord, Cerebro-Spinal Nerves and Sympathetic.

V.—VISCERAL SYSTEM.—The relative position of the different Viscera of the Thoracic, Abdominal, and Pelvic cavities will be explained and illustrated by sections made on the frozen subject.

Every day, except Saturday, at 9 a. m.

Books recommended—Gray and Wilson.

PRACTICAL ANATOMY.

*This Department is under the Superintendence of the
Lecturer on Anatomy.*

The Dissecting Room is open daily from 8 a.m. to 10 p.m., except on Saturday, when it is closed at 5 p.m.

Ample opportunities are afforded for dissecting, fresh subjects at fixed rates being provided by the Demonstrator, who will be in attendance from 4 to 6 and from 8 to 10 p.m., to direct and assist students in their dissections, and examine upon the work done in the room. The Dissecting Room is supplied with every requisite for the comfort and convenience of students, due regard being observed for sanitary measures. Every possible facility will be afforded the student in this most important department.

Book recommended for use in the Dissecting Room—Ellis' Demonstrations of Anatomy.

PRACTICAL CHEMISTRY.

BY

J. BAKER EDWARDS, Ph.D., D.C.L.

This course will be given during January, February, and March—two days a week—and will comprise a course of:

QUALITATIVE ANALYSIS, with special reference to detection of poisons and adulterations; the nature and reactions of HEALTHY and MORBID URINE.

The Microscopical and Chemical Examination of URINARY DEPOSITS and CALCULI.

The Spectroscopic Examination of BLOOD, METALLIC BASES, &c.

Demonstrations will be given on the use of the Microscope.

Students will provide themselves with a set of apparatus which has been selected by the Professor, and may be obtained for the sum of five dollars: also a note book.

Gentlemen who are not following other courses will be admitted to the Lectures and Laboratory on matriculation.

Wednesday and Saturday, at 10 A.M.

Books necessary—Chambers' "Practical Chemistry."

Books recommended—Carpenter on the Microscope; Lankester's Half Hours with the Microscope; Beale on the Microscope.

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CHEMISTRY.

BY

C. A. WOOD, C.M., M.D.

The subjects included in this course will be taken up as follows:—
PHYSICS.—Properties and different Forms of Matter. Forces of Nature. Different Varieties of Energy. SOUND, HEAT, LIGHT, ELECTRICITY. The Metrical System.

INTRODUCTION TO CHEMISTRY PROPER.—Chemical action and force. Chemical Notation. Laws of Chemical Combination.

INORGANIC CHEMISTRY.—Lectures upon this part of the course will comprise a description of the various properties, modes of preparation of and tests for: (1) The non-metallic elements. (2) The principal Metals; and (3) The chief compounds of each member of the foregoing classes.

ORGANIC CHEMISTRY.—An attempt will be made to classify the many complex substances known as the Carbon Compounds by arranging them in suitable groups, special attention being paid to those which are commonly used in medicine or in the arts.

The lectures on Inorganic and Organic Chemistry will deal more particularly with those substances and compounds of special interest to students in Medicine and Pharmacy. Towards the end of the course a number of lectures will be devoted to Medical Chemistry. The whole subject will be illustrated by numerous experiments, charts and drawings, every facility being offered students of acquiring a thorough knowledge of this branch.

Every day, except Saturday, at 7 P.M.

Text Books—Ralfour Stewart's "Lessons in Elementary Physics," Roscoe's "Elementary Chemistry," Attfield's Chemistry.

Books also recommended—Fownes, Wilson's Inorganic Chemistry, Miller's Elements of Chemistry, and *for reviewing*, Kollmyer's *Chemia Coartata*.

MATERIA MEDICA AND THERAPEUTICS.

BY

ALEXANDER H. KOLLMYER, M.A., M.D.

The course of lectures will comprise a complete description of the history, preparation, manufacture, characteristic appearance, action on plants, the lower animals, and on man, together with the uses of all substances that are employed in medicine.

These subjects will be illustrated by plates, diagrams on the black-board, specimens, dried preparations, and the most complete cabinet of medicinal substances in Canada.

Experiments to detect impurities and adulterations, as well as to show the chemical reactions of each article, and carefully prepared microscopical preparations will be exhibited to the class.

The art of prescribing and writing prescriptions will receive particular attention.

Poisons will also be fully described—their modes of detection, as well as their appropriate antidotes.

Each substance will be considered with respect to :

- 1.—Its nature—MATERIA MEDICA.
- 2.—Its preparation—PHARMACY.
- 3.—Its use and administration.—THERAPEUTICS.

These Medicaments will be arranged according to their origin from the Mineral, Vegetable or Animal Kingdom.

The Mineral Salts will generally be described under their respective basic elements, and the Vegetable substance according to a systematic arrangement founded on their chemical composition.

The concluding lectures will be devoted to the consideration of the products of FERMENTATION and DISTILLATION, such as Alcohols, Ethers, Chloroform, Chloral, Carbolic Acid, &c.

Every day, except Saturday, at 2 P.M.

Books recommended—Royle & Headland's *Materia Medica* ; Garrod's *Materia Medica* ; Pereira's *Manual* ; Nelligan's *Medicines* ; and the *United States Dispensary*.

The museum containing substances described in the *Pharmacopœia*, and plates of officinal plants, will be open daily.

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BOTANY AND ZOOLOGY.

BY

J. B. McCONNELL, M.D., C.M.

BOTANY.

Part I.—STRUCTURAL BOTANY.

*Organs of Nutrition :**Root or descending axis*—character, forms, &c.*Stem, or ascending axis*—Exogenous, Endogenous and Acrogenous, internal structure, how to distinguish from roots, buds, &c.*Leaves*—Internal structure, Insertion and Phyllotaxis, venation, venation, forms of leaves, simple and compound, &c.*Organs of Reproduction :**Flower*—its different parts and their modifications, &c.*Inflorescence*—the various kinds, definite and indefinite.*Fruit*—General characters, structure, dehiscence, &c.*Ovule Bud and Embryo*—their structure and development.

Part II.—PHYSIOLOGICAL BOTANY.

Cell formation, multiplication and growth, absorption and transmission of fluids, Osmose, Cyclosis, &c.

*Physiology of the Organs of Nutrition.**Root*—Absorption, excretion, functions of the stem.*Leaves*—Transpiration, respiration, assimilation, development.*Physiology of the Organs of Reproduction.**Reproduction of Phænogamous plants.*

Fertilization and development of the ovule, germination, &c.

Food of Plants and its sources, circulation of the sap, &c.

Special Phenomena in the life of the plant.

Part III.—SYSTEMATIC AND DESCRIPTIVE BOTANY.

The general principles of classification will be dwelt upon, and the natural and artificial systems compared with each other. Attention will be especially directed to those orders containing medicinal plants, indigenous and otherwise. The method of collecting, drying, mounting and determining plants will also be explained. The course throughout will be illustrated by plates, drawings, models, microscopical preparations and dried specimens.

ZOOLOGY AND COMPARATIVE PHYSIOLOGY.

1.—*General Zoology*—Under this heading will be considered the Histology, Comparative Anatomy, and Physiology of Animals.

2.—*Descriptive Zoology*.—Including principles of classification.

Every Monday, Wednesday, and Friday, at 3 P.M.

Books recommended.—Dr. Gray's Structural and Systematic Botany, Bentley's Manual of Botany, Balfour, Sacks, Dawson's Manual of Zoology, Nicholson's Zoology.

SUMMER SESSION, MAY 1ST TO JULY 31ST, 1878.

DISEASES OF WOMEN.

BY

DR. KENNEDY, PROFESSOR OF MIDWIFERY.

Rational signs of disease; management of patient during physical examination; bi-manual palpation; abdominal palpation conjoined with use of sound; exploration of rectum and vagina; use of speculum, sound, and probe; introduction of tents; hyperplasia and tumors of uterus; uterine luxations; ulcerations of cervix; leucorrhœa; pelvic abscess; rupture of perineum; vesico-vaginal fistula, &c.

Tuesdays, 11 A.M., at Woman's Hospital.

PRACTICAL MICROSCOPY.

BY

PROFESSOR J. BAKER EDWARDS.

A course of 12 Demonstrations, Saturdays, 11 A.M.—Fee, \$5.

PRACTICAL PHYSIOLOGY.

BY

DR. GEO. WILKINS, PROFESSOR OF PATHOLOGY.

This course will consist of a series of experiments on animals, illustrating the functions of the various nerves, &c. The experiments will be made by means of apparatus specially prepared for this Laboratory in England, France and Germany. All animals will be rendered insensible before experimenting on them.

Every Wednesday, 4 to 6 P.M.

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PRACTICAL PHARMACY.

BY

DR. A. H. KOLLMYER, PROFESSOR OF MATERIA MEDICA.

Pulverization (a) By Contusion; (b) by Trituration; (c) by Grinding; (d) by Fusion; (e) by Porphyzation; Mediate Pulverization;—Levigation; Granulation; Elutriation; Sifting; Decanting; Deposition; Defœcation; Filtration; Percolation; Expression; Clarification or Despumation; Skimming; the Water-bath; the Sand-bath; Fusion; Solution; Maceration; Digestion; Vaporization; Ebullition; Distillation; Sublimation; Condensation; Congellation; Precipitation; Crystallization; Deliquescence and Efflorescence. Pharmaceutical preparations, Powders, Electuaries, Pills, Suppositories, Lozenges, Poulitices, Ointments, Plasters, Extracts, Lotions, Liniments, Mixtures, Infusions, Decoctions, Tinctures, Wines, Syrups, Enemas, Hypodermic injections, Gargles, Collyria, Vapors and Inhalations. Illustrated by plates, specimens and experiments.

Fridays, 2 o'clock, at the College.

FIELD BOTANY.

BY

DR. J. B. McCONNELL, PROFESSOR OF BOTANY.

This course will consist of the following exercises:—Localities in the vicinity of Montreal will be visited each Saturday afternoon. On these occasions the student will be taught the method of determining the different species collected—how to prepare them for mounting. Microscopic demonstrations of the *minute* parts of plants, and the lower cryptogams, will be given. Lectures on systematic botany occasionally.

Every Saturday, at 2 P.M. Meet at College. Fee \$5 00.

MINOR SURGERY.

BY

DR. G. F. SLACK, PROFESSOR OF SURGERY.

Bloodletting; bandaging; application of splints; modes of dressing wounds, ulcers, &c. Surgical anatomy, practically illustrated upon cases under treatment at Montreal Dispensary. Vaccination.

Thursdays, 11 A.M., at Dispensary.

DISEASES OF THE EYE AND THE EAR.

BY

DR. ALEX. PROUDFOOT.

Practical use of the ophthalmoscope; diseases and injuries of the eye usually met with in every-day practice—illustrated by numerous cases. A few practical lessons on the diagnosis and treatment of diseases of the Ear.

Wednesdays, 11 A.M., at Dispensary.

DISEASES OF THE THROAT.

BY

DR. DONALD BAYNES, LECTURER ON DISEASES OF THE THROAT.

The Laryngoscope, description, history, and use; diseases of the fauces, pharynx, œsophagus and larynx; neuroses of the larynx; morbid growths; goitre; diseases of the mouth and tongue; maladies of dentition; practical illustrations of the use of Instruments in throat diseases.

Thursdays, 3 P.M., at College.

PHYSICAL DIAGNOSIS.

BY

DR. ALEXANDER BLACKADER.

Topography of Chest Wall; Inspection; Palpation; Mensuration; Succussion; Percussion; Auscultation; Physical signs in Pulmonary, Cardiac and Abdominal Diseases; Aneurism of the Thoracic Aorta and Arteria Innominata; Epigastric Pulsation; Subclavian Murmurs; Venous Pulsations and Murmurs, &c., &c.

Mondays, 10 A.M., at the College.

Clinical Instruction given at Montreal General Hospital, Hotel Dieu Hospital, and Woman's Hospital, also at the Montreal Dispensary, by the Attending Medical Staff.

Students will have the opportunity of attending all the post-mortems made in the Autopsy room of the Montreal General Hospital.

Students desirous of attending the above Course must register their names with the Registrar of the College not later than the 1st of May. Fee for the Entire Course—excepting Field Botany and Practical Microscopy—will be ten dollars, payable on Registration, which, for the Summer Session, is free. The Fee for Field Botany, \$5.00. Practical Microscopy, \$5.00.

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STATUTES

OF THE

UNIVERSITY OF BISHOP'S COLLEGE,

RELATIVE TO THE GRADUATION IN MEDICINE AND SURGERY.

I. The medical degrees of this University are—Master of Surgery (C.M.) and Doctor in Medicine (M.D.). The degree of Master of Surgery is not conferred on any person who does not also at the same time obtain the degree of Doctor in Medicine.

II. The preliminary examinations shall be upon the following branches of extra medical education, viz., English, French, Latin, Arithmetic, Algebra, Geometry, History, Belles-Lettres, and one of the following optional subjects, Greek, Natural and Moral Philosophy, which examination each student will have to undergo prior to the commencement of his medical studies.

III. No one can be admitted for examination for the degrees of Master of Surgery and Doctor in Medicine who has not been engaged uninterruptedly in medical and surgical study for four years; but a certificate of having studied one full year with a duly licensed practitioner will reduce the period of study at the University to three sessions.

IV. At the commencement of every session each student must enrol his name and residence in the register of the Medical Faculty, and obtain from the Registrar a ticket of Matriculation.

V. The Matriculation Books of the Registrar shall be closed on the first day of December in each year.

VI. No student can obtain his ticket from any of the professors without having previously obtained his Matriculation ticket.

VII. Every candidate for graduation in Medicine and Surgery must give sufficient evidence, by certificates—

1. That he has attended two six months courses of lectures on each of the following departments of Medical science:—General or Descriptive Anatomy, Principles and Practice of Surgery, Theory and Practice of Medicine, Midwifery and the Diseases of Women and Children, Chemistry, Materia Medica and General Therapeutics, and Physiology.

2. That he has attended one six months course or two three months courses of Medical Jurisprudence, one six months course of Pathology, one three months course each of Botany, of Hygiene and also of Practical Chemistry and Microscopy, and also a course of not less than twenty-five demonstrations upon Microscopic Anatomy, Physiology and Pathology.
3. That he has attended not less than two six months courses of Clinical Medicine and Clinical Surgery.
4. That he has attended two six months courses of Practical Anatomy.
5. That he has attended for at least eighteen months, or three periods of six months each, the Medical and Surgical practice of a Hospital in which are contained not less than fifty beds under the charge of not less than two physicians or surgeons, and that he has been engaged for at least six months in compounding and dispensing medicines at a Hospital, a Dispensary, or with a duly licensed practitioner.
6. That he has attended at least six cases of midwifery, either in a lying-in-hospital, or in private practice under the supervision of a regular medical practitioner.

VIII. Out of the four years of medical and surgical study required by Clause III one full course on each branch mentioned in Sections 1 and 2, Clause VII., must be attended in this University.

IX. Courses of less length than the above (Clause VII.) will only be received for the time over which they have extended.

X. Every candidate for the Degree must on or before the first day of March deliver to the Dean of the Medical Faculty—

1. A declaration, in his own handwriting, that he has completed his twenty-first year of age (or that he will have done so before the day of graduation).
2. A statement of his studies, accompanied with proper certificates.

XI. Every candidate shall be examined both in writing and *viva voce*. The examinations are divided into Primary and Final.

a. The Primary, comprehending. Anatomy, Chemistry, Practical Chemistry, Materia Medica, Physiology, and Botany or Zoology.

b. The Final—Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Midwifery and the Diseases of Women and Children, Medical Jurisprudence, Pathology and Hygiene.

XII. Candidates may, if they choose, be admitted to examination on the Primary Branches at the end of the third year of their study. The Final Examination shall not take place until the candidate has completed his fourth year of study.

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REGULATIONS.

1st. The Session of each year will commence on the first of October, provided that day does not fall on a Sunday and, with the exception of a vacation at Christmas, will continue to the end of March.

2nd. Each Professor shall deliver one hundred and twenty lectures, except those of Clinical Medicine, Clinical Surgery, Pathology, Hygiene, and Practical Chemistry, of which only two lectures a week will be required; Botany, of which three lectures a week will be required; Medical Jurisprudence, if extending through six months, three lectures a week.

3rd. Each lecture shall be of one hour's duration.

4th. Written or oral examinations shall be held by each Professor once a week upon the subjects treated of in his preceding lectures, and every such examination shall be considered a lecture.

5th. Each Professor shall, at intervals, call a roll of the names of the students attending his class.

6th. Tickets which have not a certificate of regular attendance shall be rejected when presented as testimonials, previous to examination, unless the omission be satisfactorily accounted for.

FEES.

1. The fee for the class of Medical Jurisprudence shall be \$10; Pathology and Hygiene, \$6 each; Botany and Zoology, \$5; Practical Anatomy, \$5; Practical Histology \$16, and that of all the other classes, \$12 each. The annual fee for Matriculation will be \$2.

2. Any student having paid the fees, and attended two courses of lectures in any class, shall be entitled to a perpetual ticket for the same.

3. The fee for the degree of Master in Surgery and Doctor of Medicine shall be \$20, to be paid by successful candidates, together with the registration fee of \$1.

4. All fees must be paid in advance.

OATH.

Ego Doctoratus in Arte Medica titulo jam donandus, sancte coram Deo cordium scrutatore, spondeo, me in omni grati animi officio erga hanc Universitatem ad extremum vitæ halitum perseveraturum.

Tum porro Artem Medicam, caute, caste, probeque exercitaturum, et quoad poterò, omnia ad ægrotorum corporum salutem cœduentia cum fide procuraturum. Quæ, denique, inter medendum visa vel audita sileri conveniat, non sine gravi causa vulgaturum.

Ita præsens spondenti adsit Numen.

SESSION, 1877-78.

The total number of matriculated students during the past session was forty-three. Their names and addresses are as follow :

Gabriel A. Lacerte, LaBaie du Fevre.Q.	Edward Thos. Chambers, Montreal.Q.
J. W. Dugald MacDonald, Nicolet.Q.	Walter de Moulpied, Nicolet.....Q.
Chs. Ed. D. Comeau, River David..Q.	Percy F. Woodcock, Brockville..Ont.
William Hen. McGowan, Montreal.Q.	David Walker Houston, Belleville.Ont.
Homer Elihu Mitchell, Bedford...Q.	John Jos. Cauley, Norwich, Con. U.S.
Francis J. E. Tétrault, St. Pie....Q.	George Oliver Gernon, St. Benoit..Q.
Matthew M. Kannon, Montreal...Q.	J. Gendreau, St. Jean Baptiste Village.
Charles Raphaël Belle, Montreal...Q.	Euchariste Sirois.....Kamouraska,Q.
James Leslie Foley, Montreal.....Q.	William Dion Young.....Quebec.
Emmanuel E. Duquet, Chateauguay.Q.	Herbert Cooper Fuller, Grand Rapids,
Rodolphe E. Leprohon, Montreal..Q.	Mich.....U.S.
John Wesley McDuffie, Stanstead..Q.	George W. Nelson, Montreal.....Q.
Robert Henry Wilson, Montreal...Q.	Aaron Ansell, Falmouth, Jamaica.W.I.
George Goldsworthy Gale, Quebec..Q.	J. Charlemaine Bracq, Grand Ligne.Q.
William Young, Montreal.....Q.	Emile Chs. Jeniger, St. Frs. du Lac.Q.
Henry B. Chandler, Bermuda... W.I.	John Sheridan, Montreal.....Q.
Anthony Kerry, Montreal.....Q.	Denis Gaherty, Montreal.....Q.
W. F. McTammany, Troy, N.Y. .U.S.	Elzéar Sabourin, St. Urbain.....Q.
Ninian Calvin Smillie, Montreal...Q.	Alexander Munro, Montreal.....Q.
Adolphe F. Lalonde, St. Cunegonde.Q.	John Wilson, Montreal.....Q.
Clarence Howe Clark, Newberry. .Vt.	Robert S. Dunbar, Mount Forest.Ont.
Frank Eug. Henderson, Newberry.Vt.	Charles Black, Mount Forest.....Ont.

PRIMARY EXAMINATIONS.

The examination in Botany was held on March 23rd and was passed by :

George G. Gale.	David W. Houston.	Elzéar Sabourin.
Francis J. E. Tétrault.	J. W. McDuffie.	A. A. Ansell.
Adolphe Lalonde.	Robert H. Wilson.	

The examinations in Chemistry and Practical Chemistry were passed by :

James Leslie Foley.	George G. Gale.	Mark Kannon.
Walter de Moulpied.		

Examinations were held on all the subjects of the Primary Examination, and were passed by :

Denis Gaherty.	George W. Nelson.	Elzéar Sabourin.
George O. Gernon.	Charles Black.	John Sheridan.
Aaron Ansell.	Rodolphe E. Leprohon.	
	Charles E. D. Comeau.	J. W. McDuffie.

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John Sheridan
John W. McD
Jos. W. D. M

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Practical Anator
Junior Prize....

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FINAL EXAMINATION.

C.M., M.D.

This Examination was held on Wednesday and Thursday, the 28th and 29th of March, and was successfully passed by the following gentlemen :—

Homer E. Mitchell,..... Bedford, Q.	Gold Medallist.
William Young.....Montreal, Q.	Prizeman.
A. Ansell.....Jamaica, W. I.	Elzéar Sabourin.....St. Urbain, Q.
John Sheridan..... Montreal, Q.	Anthony Kerry.....Montreal, Q.
John W. McDuffie.....Stanstead, Q.	Charles R. Belle.....Montreal, Q.
Jos. W. D. McDonald. .Nicolet, Q.	Herbert C. Fuller Grd. Rapids, U.S.

The Convocation of the University for conferring degrees in Medicine was held at the Synod Hall, Montreal, on Thursday, the eleventh day of April, when the degrees of C.M., M.D., were conferred on the gentlemen above named, who successfully passed their final examination. The *ad eundem* degree of M.D. was conferred by the University on Dr. McConnell, Professor of Botany.

The Valedictory Address to the Students on behalf of the Faculty was delivered by Professor Kennedy and that on behalf of the Students by Dr. Young.

PRIZES.

The following Prizes were awarded :

" Wood " Gold Medal.....	Homer E. Mitchell, Bedford.
Final Prize.....	William Young, Montreal.
Primary Prize.....	Denis Gaherty, Montreal.
Special Prize in Practical Chemistry..	James L. Foley, Montreal.
Practical Anatomy, Senior Prize.....	Rodolphe E. Leprohon, Montreal.
Junior Prize.....	Francis J. Tetrault, St. Pie, Q.

The following gentlemen received Honorable Mention : Henry B. Chandler, James L. Foley, David W. Houston and Adolphus L. Lalonde in Practical Anatomy.

STUDENTS WHO HAVE OBTAINED HONORS IN MEDICINE IN THIS UNIVERSITY.

- AHERN (JOHN.)**
1872. Practical Anatomy, Hon'le Mention.
- CAULEY (JOHN J.)**
1876. Anatomy, Special Prize.
1877. Primary Examination, Honorable Mention.
- CHANDLER (HENRY B.)**
1877. Botany, Prize.
Practical Anatomy, Prize.
1878. " " Hon'le Mention.
- COSTIGAN (ROBERT.)**
1872. Practical Anatomy, Junior Prize.
Physiology, Junior Prize.
1873. Physiology, Prize.
1874. Final Examination, Prize.
- COQUILLETTE (W. E.)**
1873. Practical Anatomy, Junior Prize.
- DAVIS (JOHN T.)**
1875. Primary Examination, Prize.
Final Examination, Prize.
- DUBUC (GODFROI.)**
1872. Practical Anatomy, Senior Prize.
Physiology, Senior Prize.
Primary Examination, Prize.
1873. Final Examination, Honorable Mention.
- FOLEY (JAMES LESLIE.)**
1878. Practical Chemistry, Prize.
" " Anatomy, Hon'le Mention.
- GAHERTY (DENIS.)**
1876. Botany, Honorable Mention.
1877. Practical Chemistry, Honorable Mention.
1878. Primary Examination, Prize.
- GODFREY (ROBERT F.)**
1873. Practical Anatomy, Senior Prize.
Final Examination, Hon'le Mention.
- GRAVELY (EDWARD F.)**
1876. Primary Examination, Honorable Mention.
1877. Final Examination, Honorable Mention.
- HART (DAVID A.)**
1874. Final Examination, Honorable Mention.
- HOUSTON (DAVID W.)**
1878. Practical Anatomy, Honorable Mention.
- HUNTER (WILLIAM M.)**
1874. Final Examination, Honorable Mention.
- LEMIEUX (ISRAEL.)**
1874. Final Examination, Honorable Mention.
- LALONDE (ADOLPHUS F.)**
1878. Practical Anatomy, Hon'le Mention.
- LATOUR (ANDRÉ.)**
1872. Final Examination, Prize.
- LAWRENCE (FREDERICK C.)**
1873. Final Examination, Honorable Mention.
- LEPROHON (RODOLPHE E.)**
1877. Practical Chemistry, Honorable Mention.
1878. Practical Anatomy, Senior Prize.
- MEAGHER (HUGH A.)**
1876. Practical Anatomy, Senior Prize
Primary Examination, Honorable Mention.
- MITCHELL (HOMER E.)**
1876. Practical Anatomy, Junior Prize.
1877. Primary Examination, Prize.
Practical Anatomy, Special Prize.
1878. Final Examination, Gold Medal.
- PALMER (JOSEPH L.)**
1873. Practical Anatomy, Second Junior Prize.
- SPENCER (RICHMOND.)**
1872. Practical Anatomy, Honorable Mention.
- SHAW (GEORGE BEGG.)**
1873. Primary Examination, Prize.
Final Examination, Prize.
Physiology, Prize.
- TETRAULT (FRANCIS JOSEPH.)**
1878. Practical Anatomy, Senior Prize.
- VENNER (JOSEPH A.)**
1874. Final Examination, Honorable Mention.
- WOOD (CASEY A.)**
1876. Primary Examination, Prize.
1877. Final Examination, Prize.
- YOUNG (WILLIAM.)**
1875. Practical Anatomy, Junior Prize.
1877. Primary Examination, Prize.
1878. Final Examination, Prize.

NAMES

1878.... A
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NAMES AND ADDRESSES OF GRADUATES IN MEDICINE OF
THIS UNIVERSITY.

1878....	Ansell, Aaron.....	Falmouth, West Indies.
1875....	Benoit, Frederick.....	Montebello, Q.
1877....	Baynes, D., M.A., L.R.C.S.Edin., <i>ad eundem</i> ..	Montreal, Q.
1877....	Boyd, Robert Hamilton.....	Ogdensburg, U.S.
1878....	Belle, Charles Raphaël.....	Montreal, Q.
1871....	Campbell, F. W., L.R.C.P. Lond., <i>ad eundem</i> ..	Montreal, Q.
1874....	Costigan, Robert.....	Indianapolis, Ind., U.S.
1872....	Cunningham, Henry S.....	Indianapolis, Ind., U.S.
1877....	Curtis, Horatio N.....	Dunham, Q.
1871....	David, A. H., L.R.C.S.E., <i>ad eundem</i>	Montreal, Q.
1875....	Davis, J. T.....	Barbadoes, West Indies.
1872....	Désilets, Philip A.....	Three Rivers, Q.
1873....	Dubuc, Godfroi.....	Sutton Flats, Q.
1874....	Duclos, E. A.....	St. Pie, Q.
1874....	Eneas, Jeremiah.....	Georgetown, West Indies.
1873....	Fontaine, Isaac.....	St. Barnabie, Q.
1875....	Fuller, William, <i>ad eundem</i>	Montreal, Q.
1878....	Fuller, Herbert Cooper.....	Grand Rapids, U.S.
1871....	Gardner, William, <i>ad eundem</i>	Montreal, Q.
1871....	Godfrey, Robert T., <i>ad eundem</i>	Montreal, Q.
1873....	Godfrey, Robert Frederick.....	Montreal, Q.
1877....	Gravelly, Edward A.....	Cornwall, Ont.
1874....	Hart, David A.....	Bedford, Q.
1877....	Hayes, Thomas Edward.....	Montreal, Q.
1871....	Hingston, Wm. H., L.R.C.S.E., <i>ad eundem</i> ...	Montreal, Q.
1874....	Hunter, William M.....	Ottawa, O.
1871....	Kennedy, R. A., <i>ad eundem</i>	Montreal, Q.
1873....	Kollmyer, A. H., <i>ad eundem</i>	Montreal, Q.
1878....	Kerry, Anthony.....	Montreal, Q.
1874....	Lafontaine, Charles.....	Chambly, Q.
1872....	Lanouette, Joseph E. A.....	Gentilly, Q.
1872....	Latour, André A.....	Montreal, Q.
1873....	Lawrence, Frederick Ch.....	Bury, Q.
1874....	Lemieux, Israel.....	St. Etienne, Q.

1871.... Leprohon, J. L., <i>ad eundem</i>	Montreal,	Q.
1878.... Mitchell, Homer Elihu.....	Bedford,	Q.
1873.... MacDonald, William.....	Montreal,	Q.
1874.... Mackay, Jno. M.....	Quebec,	Q.
1877.... McLeod, John.....	Lingwick,	Q.
1878.... McConnell, J.B., <i>ad eundem</i>	Montreal,	Q.
1878.... McDuffie, John W.....	Stanstead,	Q.
1878.... MacDonald, Joseph William Dugald.....	Nicolet,	Q.
1872.... Nelson, Wolfred D. E.....	Montreal,	Q.
1873.... Peltier, Gaspard U.....	Cohoes, N.Y.,	U.S.
1873.... Perrigo, James, <i>ad eundem</i>	Montreal,	Q.
1875.... Pidgeon, Joseph A.....	Percé, Gaspé,	Q.
1877.... Proudfoot, Alexander, <i>ad eundem</i>	Montreal,	Q.
1873.... Robillard, Edmond, <i>ad eundem</i>	Montreal,	Q.
1874.... Rose, Edward.....	Chateauguay, N.Y.,	U.S.
1873.. *Shaw, George Begg.....	Montreal,	Q.
1874.... Shee, Patrick Arthur.....	Inverness,	Q.
1876.. *Sheridan, Terence G.....	Gaspé Basin,	Q.
1873.... Slack, George F., M.R.C.S. Eng.....	Montreal,	Q.
1874.... St. Germain, Valmore.....	St. Norbert de Arthe- baskeville,	Q.
1878.... Sabourin, Elzéar.....	St. Urbain,	Q.
1878.... Sheridan, John.....	Montreal,	Q.
1871.... Tabb, S. E., <i>ad eundem</i>	Sherbrooke,	Q.
1871.... Trenholme, E. H., <i>ad eundem</i>	Montreal,	Q.
1874.... Venner, Victor John A.....	Quebec,	Q.
1872.... Webber, Richard N.....	Richmond,	Q.
1871.... Wilkins, George, M.R.C.S. Eng., <i>ad eundem</i> ..	Montreal,	Q.
1877.... Wood, Casey A.....	Ottawa.	Ont.

* Dead.

COLLEGE

Latin—

English—

French—

Belles-lett

History

Arithmet

Algebra—

Geometry

Greek—

Natural

Moral P

N. B.—A

Languages
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SUPPLEMENT.

COLLEGE OF PHYSICIANS AND SURGEONS OF THE PROVINCE OF QUEBEC.

PROGRAMME OF PRELIMINARY EXAMINATION.

OBLIGATORY SUBJECTS.

Latin—CÆSAR'S COMMENTARIES, BOOK I.—VIRGIL'S ÆNEID, BOOK I.

English—GOLDSMITH'S "VICAR OF WAKEFIELD," SHAKSPEARE'S "MERCHANT OF VENICE."

French—FENELON'S "AVENTURES DE TELEMAQUE," RACINE'S "ATHALIE."

Belles-lettres—A knowledge of the Literature of the age of PERICLES in GREECE, AUGUSTUS in ROME, ELIZABETH in ENGLAND, and LOUIS XIV. in FRANCE.

History and Geography—OUTLINES of both subjects with a more particular knowledge of ENGLAND, FRANCE and the DOMINION of CANADA.

Arithmetic—Must include VULGAR and DECIMAL FRACTIONS, SIMPLE PROPORTION and SIMPLE INTEREST.

Algebra—Must include FRACTIONS, SIMPLE EXPANSIONS and SIMULTANEOUS EQUATIONS of the first degree.

Geometry—EUCLID'S Geometry, Books I, II, III, or the portion of Plane Geometry covered by those books.

OPTIONAL SUBJECTS.

Greek—XENOPHON'S ANABASIS Bk., I. HOMER'S ILIAD, Bk. I.

Natural Philosophy—OUTLINES of the subject, as in LOOMIS Natural Philosophy.

Moral Philosophy—OUTLINES as in Stewart's Outlines of Moral Philosophy.

N. B.—A sound knowledge of the grammar of each of the above Languages will be required—Failure in LATIN, or in ARITHMETIC, or in the MOTHER TONGUE may involve rejection of the candidate.

French-speaking candidates may omit SHAKSPEARE, but will be expected to translate into French passages from the first half of the "VICAR OF WAKEFIELD," and answer questions of grammar and parsing. They will be required to have a critical knowledge of the "Athalie." Similarly, English-speaking candidates may omit "Racine," but will be expected to translate into English passages from the first half of "Telemaque," and answer questions of grammar and parsing. They will be required to have critical knowledge of the "Merchant of Venice."

TIME AND MARKS ALLOWED AT THE EXAMINATION.

<i>Latin</i>	2	Hours.....	300	Marks
<i>English</i>	1½	"	150	"
<i>French</i>	1½	"	150	"
<i>Belles-lettres</i>	1	"	100	"
<i>History and Geography</i>	2	"	200	"
<i>Arithmetic</i>	1½	"	150	"
<i>Algebra</i>	1½	"	150	"
<i>Geometry</i>	1½	"	150	"
<i>Greek</i>	1½	"	150	"
<i>Natural Philosophy</i>	1½	"	150	"
<i>Moral Philosophy</i>	1½	"	150	"

17 Hours

1,800 Marks.

Examiner,

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EXAMINATION PAPERS.

SESSION 1877-1878.

PRIMARY EXAMINATION.

BOTANY.

SATURDAY, MARCH 23RD, 1878, 9 TO 12 A.M.

Examiner,..... PROFESSOR J. B. McCONNELL, M.D., C.M

1. Distinguish between parenchyma and prosenchyma, and describe the different forms of the latter.
2. Name the chief varieties of vascular tissue, and describe the structure and formation of dotted and spiral vessels.
3. Describe *starch* and *chlorophyll*; state where they chiefly abound in plants and their uses.
4. Define the following: Secondary roots, Epiphytes, Pale Parasites, Biennial roots, and Root-fibrils.
5. Describe fully the structure and mode of growth of an exogenous stem.
6. Describe the structure in the blade of a leaf.
7. State the chief causes which interfere with the perfect symmetry of the ramification of the stem.
8. Give a description of the ovule and its different forms.
9. Explain the terms, setose, extrorse, polypetalous, palmatifid, loculicidal, glabrous.
10. State the differences between assimilation and metastasis.

MATERIA MEDICA AND THERAPEUTICS.

MONDAY, 1ST APRIL, 1878:— 9 to 11 A.M.

Examiner,..... PROFESSOR A. H. KOLLMYER, M.A., M.D.

1. Give the modern view with regard to the deleterious action of the so-called *cumulative medicines*, and name those that are specially so regarded in the British Pharmacopœia.
2. Name the ingredients entering into the composition of (i) Pil. Hydrargyri; (ii) Pulv. Ipecac. Co; (iii) and Liq. Morphie Hydrochlor; and the amount of each ingredient in each of these preparations.
3. Describe the actions, doses, and modes of administration of Amyl Nitrite.
4. How would you ascertain when a patient was fully under the influence of Chloroform, and fit to commence operating upon?
5. What symptoms would indicate danger during the administration of Chloroform, and what would be the appropriate treatment in cases of poisoning by this remedy, 1st, when from excessive inhalation, and 2ndly, when from imbibition?
6. Give the actions, uses, and doses of Salicylic Acid and what disadvantages may attend or follow its administration.

CHEMISTRY.

MONDAY, APRIL 1ST, 1878:—11 A.M. TO 1 P.M.

Examiner,..... PROF. CASEY A. WOOD, C.M., M.D.

1. (a) Describe Groves' voltaic battery, and give the course of the current in it. (b) What are the requisites for every galvanic battery. (c) What is meant by the following terms, and give an example of each: *anode, cathode, ion, electrode, cation, anion, electro-positive and electro-negative*?
2. The oxides of nitrogen. (a) Give the name, molecular weight, (hydrogen) specific gravity, and formula of each. (b) Explain how each one is obtained, and illustrate the process by means of a chemical equation. (c) Give their chemical and physical properties.
3. (a) What are the units of *weight, volume, length and surface measurement* employed in the metrical system? (b) How are they obtained, and what are their English equivalents?
4. Give the formulæ and describe the preparation of zinc sulphate, sodic carbonate, (from sea-salt) hydric nitrate, mercurous chloride and potassic hydrate, explaining, by means of chemical equations or diagrams, the reaction that takes place in each case.
5. (a) What is a saturated hydrocarbon? Give two examples. (b) Give the formulæ of the first three members of the $C_n H_{2n+1}$ series with their names, and show how an ether, an alcohol, an aldehyd, and an acid may be formed (theoretically) from each one of these hydrocarbon radicles.
6. (a) What are the three commonest sources of the albumen found in morbid urine and what means have we of distinguishing one from the others? (b) Give the tests for albuminous urine.

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ANATOMY.

MONDAY, APRIL 1ST, 1878:—3 P.M. TO 5 P.M.

Examiner,.....PROFESSOR WILLIAM FULLER, M.D., C.M

1. What vessels and nerves pierce the sclerotic coat of the eyeball, and give the points of entrance and exit of each?
2. Give the position and relations of the arch of the aorta.
3. What are the ligaments of the hip joint and the muscles in immediate relation to the articulation?
4. What are the coverings of oblique inguinal hernia and its relation to the epigastric artery?
5. Give the distribution of an intercostal nerve.
6. Describe Scarpa's triangle and the position and branches of the profunda artery

PHYSIOLOGY.

MONDAY, 1ST APRIL, 1878:—8 TO 10 P.M.

Examiner,.....PROFESSOR F. WAYLAND CAMPBELL, M.A., M.D., L.R.C.P. LOND.

1. Describe the Pancreas, and give the function of the Pancreatic Juice.
2. Describe the Fœtal Circulation.
3. Describe the character and properties of the secretions from the three Salivary Glands.
4. Describe the Inspiratory and Expiratory Murmur, and state the average number of respirations per minute.
5. Describe the physical qualities and composition of the Gastric Juice, its mode of secretion, its daily quantity, and its physiological action.
6. Describe the first and second sounds of the heart, and state the various theories as to their causation.

FINAL EXAMINATION FOR THE DEGREE OF C.M., M.D.

PRACTICE OF MEDICINE.

THURSDAY, APRIL 4TH :—10 TO 12 A.M.

Examiner,.....PROFESSOR A. H. DAVID, M.D., Edin., L.R.C.S.E., D.C.L.

1. Describe the Physical Signs of Hydrothorax, and mention how it is distinguished from Emphyema.
2. Give the forms of Phthisis Pulmonalis, and explain the causes of their physical signs.
3. Give the precise boundaries of cardiac dullness on the walls of the chest during health, and state in what conditions the dullness is increased or diminished.
4. Describe the Sequelæ of Scarlet Fever, their usual ulterior effects, and the manner of treating them.
5. Describe the symptoms of Acute Rheumatism.
6. Describe the varieties of Small-Pox.

SURGERY.

THURSDAY, APRIL, 4TH 1878 :—2 TO 4 P.M.

Examiner,.....PROF. RICHARD A. KENNEDY, M.D., C.M.

1. What is Suppuration? Give its causes, period at which it commences, symptoms, progress and treatment.
2. Describe the process by which Ulcers are formed and repaired. Give a classification of those found on the surface of the body (not including syphilitic or cancerous), the part upon which each variety is most generally found. Give the treatment you would adopt in Varicose Ulcers.
3. Define Erysipelas; name its different forms, the extent of tissue involved in each, and the treatment of each form.
4. Mention the diseases for which Tracheotomy may be required. What difficulties are met with during the operation? Give a description of the latter and the after-treatment.
5. True Aneurism; into how many forms is it divided? Describe the parts entering into the formation of its most common variety. Give the symptoms of an external Aneurism and the different modes of treatment generally adopted for its cure.
6. Give the classification of wounds arising from external violence, causing a solution of continuity of structure. Describe the local treatment of each, and under what circumstances dangerous symptoms are likely to occur.

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PATHOLOGY.

THURSDAY, 4TH APRIL, 1878:—9 TO 10 A.M.

Examiner,.....PROFESSOR G. WILKINS, M.D., M.R.C.S., Eng.

1. Mention a few of the more important symptoms of anæmia and explain their cause.
2. What are the changes occurring in Inflammation?
3. What is the source of urea in Health and in Disease respectively? Where and how formed? How eliminated?
4. Mention some of the more important forms of Cancer, their distinguishing characteristics and the most frequent seat of each form.

MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN.

THURSDAY, APRIL, 4TH 1878:—4 TO 6 P.M.

Examiner,.....PROFESSOR E. H. TRENHOLME, M.D., B.C.L.

1. How would you recognize a case to be one of threatened premature labor? State the importance of a correct diagnosis, also the treatment to be adopted in such cases.
2. Describe the mode of introducing and of using the long forceps, (a) in cases of ordinary contracted pelvis, (b) when there is undue projection of the sacro-vertebral angle.
In occipito-posterior vertex presentations, why is natural labor rendered difficult or impossible? Give your reason in full for the opinions you advance.
4. During labor, what means can be adopted to prevent laceration of the perineum (a) in natural labors, (b) in instrumental labors? Describe the different varieties of lacerations and the treatment suitable to each.
5. Enumerate the characteristic differences between cancer and lupus of the vulva, between specific and non-specific ulceration of the os uteri. How would you treat lupus, how a specific ulceration.
6. Describe the principal diseases of the respiratory tract to which children are peculiarly liable. Give the causes, diagnosis, and treatment of spasmodic laryngitis.

MEDICAL JURISPRUDENCE.

THURSDAY, APRIL 4TH, 1878:—8 TO 9.15 P.M.

Examiner,.....PROF. JAMES PERRIGO, M.A., M.D., M.R.C.S., Eng.

1. Under what circumstances may a physician or surgeon be prosecuted for malpraxis? Can a Homœopath or Eclectic be prosecuted?
2. What are the symptoms and post-mortem appearances of starvation?
3. What are the signs of recent delivery in the dead.
4. Give the most important predisposing and exciting causes of insanity.

HYGIENE.

THURSDAY, APRIL, 4TH 1878:—12 TO 1 P.M.

Examiner,.....PROFESSOR JEAN L. LEPROHON, M.A., M.D.

1. What do you understand by a disinfectant and enumerate the most useful amongst them.
2. Describe the effects of various kinds of unwholesome food on public health.
3. What are the most important duties of the Medical Officer of Health with respect to infectious diseases?