ANNUAL ANNOUNCEMENT
1902-1903

The American College of Medicine and Surgery
(Medical Department of Valparaiso College)

VALPARAISO, IND.
Notice.

Students residing in Chicago or those who for any reason may desire to take their Freshman and Sophomore years in Chicago can do so. These courses will be given in Chicago as well as in Valparaiso. The expenses as set forth in this catalogue are considerably lower than advertised when the student takes one or two year’s of the regular four year’s course in Valparaiso. The reason for this reduction is because the department can be maintained at a less expense in a small city. In our opinion students will find it to be to their advantage to begin the course in Valparaiso and finish in Chicago.

Students coming to Valparaiso to pursue the regular course may enter at any time, but when convenient it is advisable to enter in September with the regular class. Medical students have all the advantages offered in the other departments of Valparaiso College without additional expense. This is appreciated by many who are interested in Medicine.
ANNUAL ANNOUNCEMENT

OF THE

AMERICAN COLLEGE OF MEDICINE
AND SURGERY

(Medical Department of Valparaiso College)

A School in the Interest of Progressive Medicine

Equipment and Advantages Unsurpassed by Any School.

VALPARAISO, INDIANA
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   126 State Street, Chicago, Ill.
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   103 State Street, Chicago, Ill.
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   538 W. Belmont Ave., Chicago, Ill.
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   Orland, Ill.
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   Chicago, Ill.
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Chicago, Ill.
Valparaiso, Ind.
COOK COUNTY CHARITY HOSPITAL.

The above cut made from a recent photograph is a fair representation of the famous Cook County Hospital. At the extreme right in the cut is seen a portion of the American College of Medicine and Surgery building. This large hospital was erected at a cost of nearly two million dollars. It contains about one thousand beds and treats annually 10,000 patients.
FACULTY.

H. S. TUCKER, A. M., M. D., DEAN,
Professor of Surgical Diseases of Women and Clinical Gynaecology.
126 State Street.

FRANCIS E. THORNTON, M. D.,
Professor of Principles and Practice of Medicine.
538 W. Belmont Ave.

JOHN DILL ROBERTSON, M. D.,
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103 State Street.

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100 State Street.

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Orland, Illinois.

CHARLES H. FRANCIS, M. D.,
Professor of Ophthalmology, Otology and Neurology.
531 Burling Street.

HUGO H. WIGHTMAN, M. D.,
Professor of Pathology and Bacteriology.
Cook County Hospital.

J. FRANK HUBERT, M. D.,
Professor of Medical Gynaecology.
6820 Union Ave.

CHARLES H. BUSHNELL, M. D.,
Professor of Obstetrics.
1680 N. Clark Street.

W. H. COLVIN, M. D.,
Professor of Physiology.
Irving Park, Illinois,
Faculty.

Patrick H. O'Donnell, LL. D.,
Professor of Medical Jurisprudence.
The Temple, LaSalle and Monroe Streets.

L. C. Borland, M. D., L. P.,
Professor of Anatomy.
685 Ogden Avenue.

Arthur H. Reading, M. D.,
Professor of Diseases of the Chest.
6600 Jackson Ave.

W. H. G. Logan, D. D. S.,
Professor of Dental Pathology.
785 Winthrop Ave.

Adolph H. Raithel, M. D.,
Professor of Principles and Practice of Surgery.
1765 Wrightwood Avenue.

Wm. D. Weis, B. S.,
Professor of Histology and Embryology.
382 Jackson Boulevard.

George D. Timmons, Ph. G.,
Professor of Chemistry, Pharmacy and Toxicology.
Valparaiso, Indiana.

J. B. Ludwig, M. D.,
Professor of Therapeutics.
Kingston, Illinois.

John H. Cloud, A. M.,
Professor of Medical Physics.
Valparaiso, Indiana.

H. H. Lattimer, M. D.,
Professor of Dermatology.
739 Haddon Avenue.

James H. Blair, M. D.,
Professor of Venereal Diseases.
126 State Street.

H. N. Carver, A. M.,
Professor of Mental Physiology.
Valparaiso, Indiana.

L. F. Bennett, A. M.,
Professor of Comparative Anatomy.
Valparaiso, Indiana.
Faculty.

J. W. Propeck, M. D.,
Professor of Hygiene.
363½ W. Randolph Street.

G. W. Billig, M. D.,
Associate Professor of Principles and Practice of Medicine.
1689 Lincoln Avenue.

John W. Rust, M. D.,
Professor of Materia Medica.
Willow Springs, Illinois.

L. A. Stillman, M. D.,
Professor of Ophthalmology.
241 Wabash Avenue.

E. G. Davis, M. D.,
Professor of Diseases of Children.
1880 Sheridan Road.

M. L. Weems, A. M.,
Professor of Physiology.
Valparaiso, Indiana.

M. C. Korb, M. D.,
Professor of Rhinology and Laryngology.
430 W. Randolph Street.

W. S. Hector, M. D.,
Professor of Fractures and Dislocations.
3673 State Street.

Charles J. Lewis, M. D.,
Professor of Physiology of the Nervous System.
733 Carroll Avenue.

Charles H. DeWitt, B. S.,
Associate Professor of Histology.
Valparaiso, Indiana.

Henry Schmitz, M. D.,
Professor of Diseases of the Stomach and Intestines.
508 W. Chicago Avenue.

John Seapy, M. D.,
Professor of Physical Diagnosis.
1452 Ogden Avenue.

John Axelsson, M. D.,
Assistant Professor of Materia Medica and Therapeutics.
Cook County Hospital.
Faculty.

FRANK F. HOFFMAN, M. D.,
Assistant Professor of Anatomy.
Cook County Hospital.

E. JENTZCH, M. D. C., M. D.,
Professor of Comparative Medicine.
1101 W. 12th Street.

A. M. PURVES, M. D.,
Assistant Professor of Physiology.
Cook County Hospital.

J. A. WAGNER, M. D.,
Assistant in Toxicology.
Cook County Hospital.

JOSEPH C. CARSON, M. D.,
Professor of Clinical Diagnosis.
Valparaiso, Indiana.

O. E. SMITH, M. D.,
Assistant in Anatomy.
Cook County Hospital.

U. G. HIPPI, M. D.,
Assistant in Gynecology.
6301 Wentworth Avenue.

J. McDonald Scott, M. D.,
Professor of Diseases of the Chest.
116 S. Center Avenue.

ROSE M. READING, M. D.,
Associate Professor of Diseases of Children.
6600 Jackson Ave.

JOHN P. BUCKLEY, D. D. S.,
Associate Professor of Chemistry.
785 W. Madison St.

CLARA FAULKNER, M. D.,
Assistant in Gynecology.
Hobart, Indiana.

CHARLES H. UPTON, M. D.,
Assistant in Medical Diagnosis.
333 S. Lincoln Street.

J. J. McGrory, M. D.,
Professor of Diseases of the Kidneys.
Chicago, Ill.
Annual Announcement.

The next annual session of the American College of Medicine and Surgery will begin the first Wednesday in October. The opening address will be given in the lower amphitheatre of the College in the evening at 8 o'clock.

Recently the Board of Directors purchased from the Northwestern University their medical college building and paraphernalia located at 333-335-337-339 South Lincoln Street. Extensive alterations and improvements will be made during the summer, thus making the facilities for work better than the preceding year.

This medical college is affiliated with one of the largest and best known literary institutions in the country. The American College of Medicine and Surgery has thereby secured some of the best specialists as teachers that it is possible to obtain. Many other additions have been made to the faculty consisting of men of recognized ability as instructors in medicine.

The Directors have no hesitancy in saying that this college with its superior equipment and faculty is unsurpassed by any of its kind in this country.

The course of instruction leading to the degree of Doctor of Medicine covers four collegiate years of eight months each, and consists of lectures, recitations and laboratory work with attendance at Dispensary and Hospital clinics.

A full graded course, thorough and scientific teaching, full demonstrations, an abundance of clinical material and an adequate faculty for instruction are important features of the college.
The situation of the College directly opposite the magnificent Cook County Hospital in the midst of the largest medical district in this country assures a great abundance of clinical and pathological material at all times.

Each student is given personal attention, will make personal examinations of cases, and do constant personal work in the various laboratories.

This college will consider Materia Medica and Therapeutics an essential part of the medical teaching.

Specific medication or prescribing the most simple direct remedy to a diseased condition or conditions will be made a distinctive feature of the College. Not only will this system be taught but the physiological action of drugs and scientific diagnosis will be thoroughly demonstrated to the students of this college.

Practical experience has led the practitioners of this school to believe in specific medication as the safest and best form of prescribing, yet the policy of the College will be to allow a freedom of personal opinion which is characteristic of the College.

HOMES FOR THE STUDENTS.

Special attention has been given to the selection of homes for the students. The aim of the College is to have its students located where they will be surrounded by proper religious influence.

The West Side Y. M. C. A. club rooms are but a short distance from the College. Our students may for a small fee enjoy all club privileges.

Students with limited means can obtain board and room in exchange for morning and evening work. The secretary will cooperate with any such who desire to take advantage of this means of helping to defray expenses. It is requested, however, that they communicate with him early.
COLLEGE BUILDINGS.

The College buildings are located at 333-335-337 and 339 South Lincoln Street. They have a frontage of 100 feet facing the Cook County Hospital in the midst of the greatest hospital and medical district in the United States.

LOWER AMPHITHEATRE.

They consist of two large, well lighted, four story and basement buildings, constructed of brick and stone. The larger building is used exclusively for medical college purposes and has a total floor space of about 30,000 square feet. There are in it two large amphitheatres seated with modern opera chairs, two lecture rooms, pathological laboratory, library, museum, office, numerous clinic rooms, bone laboratory and retiring rooms.
The adjacent building to the north is the American Hospital. This hospital is under the control of the College and has both ward and private rooms. The operating room, parlor, drug and supply rooms, are located in this building.

In the rear of this building is a two story and basement annex which extends to the alley on the west. In this are located the large chemical, histological, physiological, and anatomical laboratories.

PRELIMINARY REQUIREMENTS.

The study of medicine, like any other profession, requires that the aspirant have a preliminary education.

To those who have not a diploma from a high school or literary college an entrance examination in conformity with the rules of the State Board of Health will be given. This includes English Composition, Higher Arithmetic, United States History, Geography, Elementary Physics or Natural History, and Latin.

Those who are not prepared to pass the entrance examination should address the College for information as to what course to pursue. The Literary College with which this school is affiliated offers a course especially instituted for the purpose of preparing those who are not qualified to enter the medical department.

In case of deficiency, one or more of these branches may be made up before the beginning of the second college year. A special course in Medical Latin may be taken by those who are deficient.

REQUIREMENTS FOR ADMISSION AND ADVANCED STANDING.

A certificate of good moral character signed by two physicians in the state from which the applicant comes is required; and as evidence of sufficient preliminary education, a diploma or certificate of graduation from a literary or scientific college or high school, a certificate of
having passed a college entrance examination, should be presented. Otherwise be prepared to pass an examination in conformity with the requirements of the State Board of Health.

Graduates of any reputable school of pharmacy, dentistry, or veterinary medicine will be admitted to the second year of the four year's medical course upon complying with the entrance requirements and passing the examinations of the first year.

Students who desire to pursue a special course will be admitted without examination.

Students from medical schools whose diplomas are recognized by the Illinois State Board of Health will be given credit for the time spent in these colleges upon presentation of a certificate to the secretary.

Graduates of literary colleges who have taken a preparatory course in medicine are allowed advanced standing.

Graduates of medical colleges in good standing will be admitted to the Senior year without examination.

**REQUIREMENTS FOR GRADUATION.**

The candidate for the degree of Doctor of Medicine must be twenty-one years of age, and of good moral character. His conduct during his connection with this college will also be taken into consideration.

He must have pursued the study of medicine for at least four years.

He must have attended four full courses of lectures at some reputable medical school, no two having been delivered during one and the same calendar year. The last course must be at this college.

He must have pursued the study of practical anatomy during the two sessions under the direction of a demonstrator, and to the extent of having dissected at least a lateral half of the body.
He must have received clinical instruction during two college years.

He must have completed all the laboratory courses.

He must have passed satisfactory examinations in all the required branches of the curriculum. Graduates of recognized medical colleges must attend one full course of lectures and pass the examinations of the senior year.

He must have paid all required college fees, and must furnish the secretary with satisfactory evidence of having complied with the above requirements.

**COLLEGE FEES.**

Matriculation fee .......................................................... $5.00

(This will be charged the first year only.)

The annual fee, which includes everything, excepting as stated above, is .......................................................... $100.00

A liberal reduction will be made for the payment of all fees in advance for a period of more than one year, but all fees thus advanced will be refunded except for the current year. Thus no one is obliged to remain in this College longer than one year unless he is entirely satisfied.

**COLLEGE PROPOSITION.**

Annual college fees, board, and room, (with light and heat) .......................................................... $208.00

All fees are payable in advance.

Practitioners who are making brief visits to the city are invited to attend lectures and clinics, for which no fee will be charged.

Seats will be assigned in the order of matriculation. While all seats in the amphitheatres are good, students matriculating early will be assigned the best seats.
Outline of Study.

DEPARTMENT OF ANATOMY.

It is the aim of the anatomical department to make the instruction given as nearly objective as possible. The laboratory, therefore, is given priority over the lecture room in every course, except the one in applied anatomy in which lectures are given. Recitations on the work in the laboratories are sufficiently numerous to illustrate the anatomical subjects.

The instruction is largely personal, the classes being divided into sections in both the dissecting and recitation rooms. The sections are so arranged that recitations always follow the work done in the dissecting room by the student. The courses offered and required are the following:

Freshman Year: Human osteology; recitations and laboratory work during October and November. Human dissections; recitations and laboratory work from December to May inclusive. The latter course comprises the dissection of both the arm and the leg and a satisfactory demonstration before the instructor of all the important anatomical points.

The Freshman class is divided into two sections. One section dissects the upper extremity while the other section dissects and is quizzed on the lower extremity, and vice versa.

Classes in the study of the organs of special sense and the digestive system are conducted during April and May. Wherever possible the lectures and recitations on these subjects are supplemented by laboratory demonstrations of the several organs taken from the lower animals, such as the dissection of the eye of an ox, the larynx of a sheep, etc.
Sophomore Year: The gross and microscopic anatomy of the human brain and spinal cord are taught during October and November. The brain is dissected with great care so that all the parts are seen. Drawings are required at every exercise. Human dissection of the head, neck, and of the thoracic and pelvic viscera are also a part of this course.

The Sophomore class is divided into two sections. While one section dissects the head and neck and recites upon the work done the other section dissects the viscera of the abdominal and thoracic cavities and recites upon them. During the latter half of the course one section is given the visceral anatomy and the other section the anatomy of the head and neck.

Applied Surgical and Medical anatomy which is essentially a course of demonstrations is necessarily a lecture course and consists of lectures during the latter half of the Sophomore year.

DEPARTMENT OF HISTOLOGY AND EMBRYOLOGY.

Histology: The work in this department consists of illustrated lectures, recitations, and laboratory work. After the student has been taught the proper use and care of the compound microscope and its accessories, he is thoroughly taught the technique of preparing animal tissues for microscopic study.

Each student is given several pieces of fresh tissue which he fixes, imbeds, cuts, stains and mounts, both in single and serial sections. After mounting and staining, the student is required to carefully study and make drawings of each of the tissues and organs. The specimens thus studied will become the property of the student and form the nucleus of his histological and pathological collection.

The course in the histology of the nervous system is given in a series of lectures and demonstrations during the Sophomore year. Sections of the spinal cord, of the pons, of the medulla and of the different parts of the medullary
and cortical portions of the cerebellum are studied with the microscope.

The histological laboratory is a spacious and well lighted room supplied with an abundance of good microscopes, microtomes and paraffin baths. A complete micro-photographic outfit for the use of this department is stationed in a special dark room where the student under the direction of the professor is taught micro-photography.

In connection with this department are several thousand alcoholic and imbedded specimens illustrating various normal and pathological structures of tissues and organs.

**Embryology:** The course in embryology is preceded by a study in detail of the structure and life history of a few typical unicellular animals and plants of selected multicellular forms. The student is thus led gradually to the consideration of the development and elementary structure of the vertebrate type.

Illustrated lectures, recitations, and laboratory work will comprise this course. A comparative study of reproduction will be systematically pursued in which the ovum, the spermatozoön, fertilization, cleavage, formation of the primary germ layers, the formation of the embryo, and fetal envelopes will receive careful attention. The development of the frog and chick will form the basis for laboratory study.

**DEPARTMENT OF PHYSIOLOGY AND HYGIENE.**

**Physiology:** The work in this department consists of lectures, recitations, and laboratory demonstrations. The student is scientifically taught the subject matter of human physiology as viewed in the light of the most recent research.

The laboratory is supplied with lockers, tables, and the necessary apparatus to fully supplement the lectures by demonstrations. In the demonstrations the student either assists or performs the experiments under the supervision of the instructor.
In this course an experimental study is made of the blood, muscles, nerves, and the functions of the various organs. Experiments illustrating the phenomena of digestion, absorption, circulation, respiration, regulation and production of heat, secretion, excretion, and nutrition are performed by the student with the view of learning the influence of physiological agents.

The anatomy of the various body structures is reviewed and the functions of the organs demonstrated both in a normal state and as affected by various drugs, the severing of the nerve supply, and electrical excitations. Wherever possible Kymographic records are taken and preserved. The students are required to observe a careful technique in the anaesthetizations and surgical features of the demonstrations.

In addition to the demonstrations, recitations are conducted for the purpose of emphasizing the points set forth in the lectures and considering more fully the mechanics of physical processes.

Physiological Psychology: During the latter half of the Sophomore year a course of lectures will be given on the phenomena of the activity of the mind and its relations and effects on the bodily functions.

Hygiene: The work in this course consists of lectures, recitations, and laboratory demonstrations embracing the following subjects: Examination of the air, water, and soil; the physiology of foods, beverages, clothing, bathing, and exercise; the disposal of garbage and sewerage; school disinfection and ventilation; quarantine regulations; disposal of the dead; care of slaughter houses, factories, and tenements.

DEPARTMENT OF CHEMISTRY, PHARMACY, AND MEDICAL PHYSICS.

Chemistry: One of the most important branches in the medical college curriculum is chemistry. It is a subject of which the average medical student knows little or nothing at the beginning, and, too frequently, in many schools but little
more upon the completion of the course. From the beginning the fundamental nature of the science is taught and its relation to the various branches of medicine made manifest by numerous illustrations.

The course is continued throughout the Freshman, Sophomore, and Junior years. The instruction is given by lectures, laboratory exercises, and recitations. The lectures are replete with numerous experiments and demonstrations thus presenting the various topics of the subject in a practical as well as a theoretical manner. The laboratory exercises are designed not only to train the hand to do that which the mind already knows, but to awaken a spirit of investigation upon the part of the student. The laboratory work begins with the didactic course and continues throughout the first three years. The recitations are conducted by com-
petent quiz-masters and are intended to supplement the lectures as well as to test the student's knowledge of the subject as he progresses.

The work of the Freshman year embraces the study of the non-metallic elements and their compounds, the atomic theory, chemical formulae, chemical nomenclature, and the classification of inorganic compounds.

The Sophomore year comprises the study of the metals and their common compounds, analytical processes, ionization, general uses of the spectroscope, and, in the laboratory, the analysis of twenty-five unknown substances.

The Junior year includes the study of organic chemistry, organic analysis, the use of the polariscope, physiological chemistry—analysis of urine, saliva, and digestive ferment—sanitary chemistry, alkaloids, and toxicology.

Pharmacy: The general principles of chemical and galenical pharmacy will receive consideration in the lectures and recitations. Chemical and pharmaceutical incompatibility in prescriptions will be taught with numerous illustrative examples.

Medical Physics: A knowledge of the elementary principles of general physics is presupposed. The course continues throughout the Junior year and the various branches of physics are treated with special reference to their application to medicine.

In the study of mechanics of solids and fluids, the anatomy of the body and its fluids are kept constantly in mind. In the study of heat special attention is given to the production and application of high and low temperatures, local anaesthesia by means of liquid air, etc. In electricity the student is taught the construction, use and care of batteries, the manipulation of X-ray apparatus, and the various effects of electric currents. Optics and acoustics are treated with special reference to the eye and ear.
DEPARTMENT OF MEDICINE.

Instruction in internal medicine is given by lectures, recitations and clinics. The theoretical points of physical diagnosis are first considered and then immediately following the same are illustrated by the demonstration of cases. This course covers diagnosis of thoracic lesions and abdominal diseases in particular. It unites the features of a didactic and demonstrative course.

SECTION OF CHEMICAL LABORATORY.

Clinics are given in which numerous cases are demonstrated rather than discussed theoretically, the students being given an opportunity to identify all the points in the individual case. For example, opportunity is given to palpate the abdominal viscera, to note microscopical findings, to listen to heart murmurs, friction rales, etc. The clinic is intended to supplement the work in physical diagnosis, the work being almost wholly objective.
Clinical courses are conducted in acute diseases at the bedside in the wards of the Cook County Charity Hospital and The American Hospital. The demonstrations are limited to small sections.

The work in internal medicine as given above gives to the student more immediate personal instruction than that given in most other medical schools. The material is ample, and the sections so relatively small that the student is given an opportunity to reach the cases directly.

**Dermatology and Venereal Diseases:** The instruction in dermatology and venereal diseases is given by lectures, recitations, and clinics.

The course comprises the study of the physiology of the skin, diseases of the skin and its appendages, and the treatment of all affections pertaining to the organs of reproduction.

The examination of patients presenting themselves at clinics will be made by students under the guidance of the clinical instructors.

**Diseases of Children:** In this course the care and treatment of children is carefully taught. Instruction is given in the care and nutrition of the new-born. Diseases of special organs and acute and chronic infectious diseases are also given attention. Clinical lectures are given before the entire class. Students are required to examine the patients in the clinic room and make written histories of each case. This is reviewed by the professor and discussed by the entire class. The treatment is suggested by a member of the senior class, and, if correct, is approved by the professor.

**Nervous Diseases:** The instruction in mental and nervous diseases will be given by lectures, recitations, and clinics.

The students are given a brief review of the gross and histological structure of the nervous system. This is followed by the consideration and practical study of the facts of cerebral localization. The pathology of the special diseases of nervous tissue, the classification, etiology, and treatment of mental diseases are systematically studied.
It is the aim of this department to treat with special thoroughness those affections of the nervous system which are met with daily in general practice. The student is thereby given a thorough knowledge of the subject together with the latest methods of treatment.

DEPARTMENT OF SURGERY.

In this department is arranged a carefully outlined and systematic course of study comprising the various phases of minor and major surgery.

The student is required to perform on the cadaver amputations of the several parts. Treatment of fractures and dislocations, practice in dressing, bandaging, and suturing are also required.

In the clinics special emphasis is placed on the most improved aseptic and antiseptic methods. Care of instruments, the after-care and treatment of patients, and the administration of anaesthetics are important features.

DEPARTMENT OF OBSTETRICS.

The work in this course is carried on throughout the Junior and Senior years. The former consists principally of normal obstetrics, while the latter comprises operative obstetrics, and diseases of the puerperant and of the new born.

In both the Junior and Senior years, the student is drilled on the Budin Pinard manikin with the normal foetus inversions; also the use of the obstetrical forceps. Recitations and quizzes are held weekly. Further instruction is given in the dispensary clinics, together with bedside lessons in hospitals and out-clinics connected with the dispensary.
DEPARTMENT OF PATHOLOGY.

Bacteriology: The work required in bacteriology includes the preparation of culture media, cultivation and study of the more common non-pathogenic and pathogenic bacteria, and a thorough training in the technique of bacteriological methods.

Careful attention is given to the bacteriological examination of pus, sputum, urine, faeces, water, milk, and foods. The preparation and preservation of pure cultures of the germs, and the relation of bacteria to medicine and surgery are fully emphasized. The subject will be considered from the stand-point of the practitioner rather than that of the bacteriologist.

Pathology: The work in this course consists of lectures, recitations, and laboratory demonstrations. A course of lectures on general pathology is given to the Sophomore students during the Autumn. This is followed by a course in special pathology which continues throughout the remainder of the year. The course in special pathology is accompanied by laboratory work and demonstrations. In the laboratory each student is required to harden, stain, and mount specimens from autopsy and clinical cases; also to furnish reports of the clinical history, and the post-mortem and pathological findings in the cases.

In order to aid the student in retaining and making practical use of the knowledge gained in the departments of physiology, pathology and chemistry, each student is required during the Senior year to do a definite amount of practical work in clinical and sanitary subjects, such as the analysis of urine, blood, sputum, stomach contents, milk, etc.

The clinics of the school afford abundant material for study, and the students in this college are encouraged to make good use of these advantages.
DEPARTMENT OF GYNÆCOLOGY.

The instruction in this department is conducted by lectures, recitations, and clinical demonstrations. Because of the growing number of patients applying for relief, the general practitioner should have not only a theoretical, but a practical knowledge of this important subject. The distinction between medical and surgical diseases is clearly demonstrated, and the most improved surgical and medical means for relief are advised and taught. Laparotomies, and vagino-plastic, together with many minor operations, are performed in the clinics. The student is also given practical instruction in the use of instruments and gynæcological appliances.

DEPARTMENT OF MATERIA MEDICA AND THERAPEUTICS.

These subjects are taught from the stand-point of a practitioner. The student is taught the botanical origin, description, habitat, and range of the plant from which the drug is obtained. He is required to examine both crude and powdered drugs with a view to identification, and is also taught their most useful preparations. After the pharmaco­ cognosy of the drug has been studied the student is taught the physiological action and therapeutic application. In this connection he is also taught the specific indication for each drug.

DEPARTMENT OF THE EYE, EAR, NOSE AND THROAT.

The work in this department consists of lectures, recitations, and demonstrations, with hospital and college clinics four hours each week. The use of the opthalmoscope, laryngoscope, and other instruments of precision is carefully taught, and the student becomes familiar with their application in the elucidation of diagnostic problems. The adjust-
ment of glasses for the correction of visual errors and muscle
deficiencies is demonstrated, and a course in intubation given.
The college building is especially fitted with rooms for work
in this department and the equipment of instruments and
apparatus is extensive and complete. While the diagnosis
and surgery of the eye, ear, nose and throat will constitute

OPERATING ROOM.

the greater portion of the course, the application of our
special remedies to this important class of diseases will be
made a prominent feature of the work.

DEPARTMENT OF DENTAL PATHOLOGY.

The course in Dental Pathology consists of lectures and
recitations upon the abnormalities and morbid growths found
in the oral cavity. It will also include a discussion of the infantile disturbances of the period of dentition.

In connection with the general pathology of the mouth, all that pertains to oral surgery, such as operations for cleft palate, hair-lip, and fractures of the maxillae will be embodied in this course.

**DEPARTMENT OF MEDICAL JURISPRUDENCE.**

The course in Medical Jurisprudence consists of a series of lectures supplemented by recitations and quizzes. It is not the aim to treat the subject in an exhaustive manner, but rather to clearly outline to the student the general principles relating to the legal rights and duties of the practitioner.

Various medico-legal questions will be considered, including the laws and opinions upon many common cases. The legal phase of questions pertaining to toxicology will be treated at length from the practitioner's stand-point. The course will serve more particularly as a basis for continued study upon the part of the student who may desire a more comprehensive knowledge of the subject.

**CHEMICAL LABORATORY.**

The new chemical laboratory was recently completed. It consists of a large, well lighted and ventilated room. Adjacent to the main laboratory there is a large store and supply room. The laboratory is supplied with fume closets which must be used in all experiments in which obnoxious gases are generated, thus insuring a healthy atmosphere.

Table space of three feet is provided for each student, and a large number of students can be accommodated at one time. Each table has several compartments so that all students can have individual lockers. Each table is also supplied with gas, water, reagents, and all apparatus necessary to carry on the work. In addition to individual apparatus in this department there are a number of imported analytical balances, spectrosopes, polariscopes, microscopes,
etc. This laboratory is one of the most complete of its kind in the country.

ANATOMICAL LABORATORY.

The anatomical laboratory is a large, well lighted and well ventilated room on the top floor of the college building.

SECTION OF DISSECTING ROOM.

It is provided with every facility for giving students a detailed knowledge of the anatomical structures. The floor is made of cement, and so arranged as to admit of thorough cleaning. Comfortable dressing, toilet and cloak rooms are adjacent to the dissecting room. The College has on hand an abundant supply of dissecting material, which is constantly being replenished. These advantages are possible only in a large city.
BACTERIOLOGICAL AND PATHOLOGICAL LABORATORY.

These laboratories are supplied with all the apparatus necessary for the acquirement of a thorough knowledge of these subjects. A number of the latest improved compound microscopes, with triple nose-pieces, oil-immersion lenses, and Abbe condensers have recently been supplied. A sufficient supply of hot air and steam sterilizers, incubators, microtomes and paraffin baths are among the apparatus of this laboratory. This enables the student to become familiar with the technique necessary to personal research in these branches. One of the special features of the pathological laboratory equipment is a collection of over two thousand specimens illustrating various abnormal conditions.

HOSPITALS.

Cook County Charity Hospital. This hospital is situated directly opposite the College. It is one of the largest and best equipped hospitals in the country. It has medical, surgical, and obstetrical wards; also a clinical amphitheatre with a seating capacity of six hundred. The detention hospital and the hospital of contagious diseases are adjacent to the Cook County Hospital. Clinical lectures are delivered each week embracing surgery, practical medicine, gynaecology, ophthalmology, and otology.

It can be easily understood that a hospital having a daily average of between seven and eight hundred patients affords an excellent opportunity for studying not only general diseases, but rare and interesting cases. The great majority of accident and other surgical cases are taken directly to such an institution. Among the advantages of this hospital are the opportunities for studying pathological anatomy as well as the method of making post-mortem examinations.

Autopsies with lectures and demonstrations are held every Wednesday at eight o'clock A. M., by the pathologist,
The following members of the faculty of The American College of Medicine and Surgery are on the attending staff of this hospital:

**Surgeons.**
- H. S. Tucker, M. D.
- John Dill Robertson, M. D.
- W. H. Hipp, M. D.
- W. R. Schussler, M. D.
- Geo. McFatrich, M. D.
- J. Frank Hubert, M. D.

**Physicians.**
- F. E. Thornton, M. D.
- N. M. Eberhardt, M. D.
- Charles H. Francis, M. D.
- James H. Blair, M. D.

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**SECTION OF PATHOLOGICAL LABORATORY.**

**The American Hospital.** The American Hospital is adjacent to the College, and under its control. The operating rooms in this hospital are equipped with every modern facility for performing surgical operations in conformity with the most improved and carefully arranged aseptic and antiseptic methods.
The wards are well furnished with improved beds, electric buttons and all paraphernalia for giving medical and hygienic treatment to the sick. Students are admitted to this hospital, where, under the direction of the professor, attention is directed to all interesting cases.

Practitioners who send their special cases here are assured of the very best service and attention offered by any hospital. The attending staff is composed of the members of the faculty of The American College of Medicine and Surgery. The nurses are supplied by The Chicago College for Nurses. This College furnishes competent professional nurses to any physician in the city or country at prices ranging from fifteen to twenty-five dollars per week.

INTERNE APPOINTMENTS TO HOSPITALS.

The highest ambition of a graduate in medicine is to acquire an internship in one of the great hospitals of Chicago. Such a position affords opportunity greater than that of any post-graduate course, as the student can study under the direction of the most experienced physicians and surgeons. The thoughtful student should realize that this is a privilege to be highly prized. As these appointments are the result of a competitive examination it is a further evidence of superior scholarship and general attainment.

The American College of Medicine and Surgery affords to its graduates the privilege of competing for the following positions: Four internes and four alternates to serve for eighteen months in the wards of The Cook County Hospital; one interne in The Chicago Baptist Hospital to serve for twelve months; one to serve in The American Hospital for twelve months; one to serve in The National Christian Temperance Hospital; and two to serve in the Illinois Charitable Eye and Ear Infirmary.

These internes receive in return for their services their board, room, and laundry.
CO-EDUCATION.

There are no recognized legal or social reasons why women should not be privileged to practice medicine and surgery on an equality with men. This being the case they have the undoubted right to the best medical education obtainable. As the same requirements and responsibilities will be expected of women as that of men, this college will make no distinction as to sex and the instruction will be given alike to both.

SECTION OF BACTERIOLOGICAL LABORATORY.

STANDING OF THE STUDENTS.

Each professor will conduct his own examination, and keep his own class and quiz record from which a permanent record will be made and filed at the office of the College. The student's grade will be made up from the attendance, quiz, and examination.
Punctuality in attendance upon all lectures and quizzes is required. In case of sickness the student will be given his examination at a later date.

Eighty percent attendance upon lectures and quizzes is compulsory, and a general average of eighty percent in lectures, quizzes and examinations is necessary for graduation.

Students in the Freshman, Sophomore and Junior years who fail to pass satisfactory examinations in one or more branches will be given a second examination at the opening of the next college year.

Students who fail in a majority of the studies of any one year must repeat the year's work.

Students failing in the final examinations of the last year will be expected to repeat the work of that year, for which a fee of fifty dollars will be charged.

TEXT AND REFERENCE BOOKS.

It is advisable for students to postpone the purchase of books until they have met the professors in charge of the various departments. The following is a list of text and reference books which are recommended for use of students in The American College of Medicine and Surgery:

ANATOMY—Gray, Morris, Quain, Eckley.
CHEMISTRY—Roe, Remsen, Lloyd, Simon.
CHILDREN'S DISEASES—Scudder, Griffith, Taylor and Wells.
PHYSICAL DIAGNOSIS—Loomis, DaCosta, Musser, Vierordt.
GYNAECOLOGY—Garigues, Penrose, King, American Text Book.
DERMATOLOGY—Stellwagon, Fox, Shoemaker, Mracek.
MICROSCOPY—Mallory and Wright, Lyon and Davis.
URINALYSIS—Roe, Tyson, Purdy.
HISTOLOGY—Bohm, Davidoff and Huber, Piersol, Klein.
PATHOLOGY—Stengel, American Text Book, Green.
BACTERIOLOGY—MacFarland, Sternberg, Abbott, Wolf, Ball.
HYGIENE—Bergey, Coplin and Bevan, Willoughby.
NERVOUS SYSTEM—Church and Peterson, Dana, Gower, Brower.
VENERAL DISEASES—Hyde and Montgomery, Taylor,
Lydston, Keyes and Chetwood, Mracek.
MEDICAL JURISPRUDENCE—Chapman, Reese, Taylor.
MATERIA MEDICA—Locke, Scudder, Webster, Ellingwood,
Sollman.
OBSTETRICS—Hirst, King, Jewett.
EYE AND EAR—Foltz, DeSchweinitz, May, Barr, Haab,
American Text Book of Eye, Ear, Nose and Throat.
PRACTICE OF MEDICINE—Scudder, Anders, Webster and
Goss.
PHYSIOLOGY—Stewart, Raymond, Kirk.
NOSE AND THROAT—Kyle, Gradle, American Text Book
of Eye, Ear, Nose and Throat.
ORTHOPEDIC SURGERY—Moore, Whitman, Bradford and
Lovett.
OPERATIVE SURGERY—Jacotson, Waring, Zukerkandl.
MEDICAL DICTIONARY—American Illustrated, American
Pocket.

For information regarding prices, etc. of any or all
Medical books, and particularly the above mentioned, write
or telephone,

W. T. KEENER & CO.,
90 Wabash Ave., Chicago, Ill,
Telephone Central 785.

West Side Branch—W, Congress and Wood Streets,
THE SCHEDULE IN HOURS.

In the following list are given the subjects required and the number of hours devoted to each branch.

**Freshman Year.**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>448</td>
</tr>
<tr>
<td>Histology and Embryology</td>
<td>224</td>
</tr>
<tr>
<td>Physiology</td>
<td>160</td>
</tr>
<tr>
<td>Chemistry</td>
<td>288</td>
</tr>
<tr>
<td>Materia Medica</td>
<td>128</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>64</td>
</tr>
<tr>
<td>Medical Physics</td>
<td>32</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1344</strong></td>
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</table>

**Sophomore Year.**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>320</td>
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<tr>
<td>Histology</td>
<td>128</td>
</tr>
<tr>
<td>Physiology</td>
<td>192</td>
</tr>
<tr>
<td>Chemistry</td>
<td>224</td>
</tr>
<tr>
<td>Pathology and Bacteriology</td>
<td>192</td>
</tr>
<tr>
<td>Surgery</td>
<td>192</td>
</tr>
<tr>
<td>Hygiene</td>
<td>64</td>
</tr>
<tr>
<td>Mental Physiology</td>
<td>32</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>1344</strong></td>
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</tbody>
</table>

**Junior Year.**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>256</td>
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<tr>
<td>Surgery</td>
<td>320</td>
</tr>
<tr>
<td>Chemistry</td>
<td>64</td>
</tr>
<tr>
<td>Gynaecology</td>
<td>128</td>
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<tr>
<td>Surgical Anatomy</td>
<td>128</td>
</tr>
<tr>
<td>Obstetrics</td>
<td>160</td>
</tr>
<tr>
<td>Diseases of Children</td>
<td>96</td>
</tr>
<tr>
<td>Diseases of the Chest</td>
<td>64</td>
</tr>
<tr>
<td>Pathology</td>
<td>96</td>
</tr>
<tr>
<td>Medical Jurisprudence</td>
<td>32</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1344</strong></td>
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</tbody>
</table>
Senior Year.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>192</td>
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<tr>
<td>Surgery</td>
<td>192</td>
</tr>
<tr>
<td>Gynaecology</td>
<td>128</td>
</tr>
<tr>
<td>Obstetrics</td>
<td>128</td>
</tr>
<tr>
<td>Diseases of the Eye, Ear, Nose and Throat</td>
<td>128</td>
</tr>
<tr>
<td>Dermatology and Venereal Diseases</td>
<td>128</td>
</tr>
<tr>
<td>Clinical Pathology</td>
<td>96</td>
</tr>
<tr>
<td>Diseases of Children</td>
<td>96</td>
</tr>
<tr>
<td>Diseases of the Chest</td>
<td>96</td>
</tr>
<tr>
<td>Diseases of the Nervous System</td>
<td>96</td>
</tr>
<tr>
<td>Medical Jurisprudence</td>
<td>32</td>
</tr>
<tr>
<td>Dental Pathology</td>
<td>32</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1344</strong></td>
</tr>
</tbody>
</table>

MATRICULATION.

It is to the advantage of both the student and the College to have early matriculation of students. Those who desire to pursue the study of medicine in The American College of Medicine and Surgery should address the secretary for any information not contained in this catalogue.

The office of the College will be open every day except Sunday from 9:00 a.m. to 5:00 p.m.

JOHN DILL ROBERTSON, M. D., SECRETARY,
COLUMBUS MEMORIAL BUILDING,
103 STATE STREET,

Columbus Memorial Building

CHICAGO, ILL.

Local and Long Distance Telephone.
These diagrams will enable the student to form an opinion of the arrangement of the seats in the amphitheatres of the College. Students who desire to select their own seats can do so by sending to the secretary for a list of seats not taken. A marked diagram will be mailed at once. From this the student may select his seat from those left by sending without delay the number to the secretary.

Students always enter these amphitheatres from the rear and descend to the seats in front which bear the lowest numbers.
A glance at the foregoing chart will show the reader the location of our institution with relation to the other prominent Medical Colleges, Schools, and Hospitals, of this the medical center of the world. This locality can be reached by any of the street or elevated railway lines shown above, and is within twenty minutes' ride of the business center, or any of the depots.
Valparaiso College

This is one of the Largest Educational Institutions in this country. The annual enrollment is nearly 4000 different students. The advantages are unsurpassed.

The Following Departments are Maintained:

- Department of Literature, Science and Art
- Department of Music
- Department of Law
- Department of Civil Engineering
- Department of Psychology and Pedagogy
- Department of Elocution and Oratory
- Department of Fine Art
- Department of Medicine and Surgery
- Department of Pharmacy

For catalogue of any of the above departments address

H. B. BROWN, PRESIDENT
OR O. P. KINSEY, VICE-PRESIDENT