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DOCUMENTARY

Available on loan from the CIA Library is a report prepared by the World Medical Association from information received from various national medical associations concerning current trends in the standards of medical education. The report includes information relative to qualifications; organization and number of medical schools in each country; selection of applicants; curriculum; pre-clinical and clinical training; internship and ethical conduct. Participating countries include: Australia, Austria, Belgium, Bulgaria, Canada, China, Chile, Cuba, Czechoslovakia, Denmark, Erie, France, Greece, Hungary, Iceland, India, Italy, Luxembourg, Netherlands, New Zealand, Norway, Spain, Sweden, Switzerland, UK, and US.

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2 East 103rd Street, New York 29, New York

REPORT

STANDARDS OF MEDICAL EDUCATION (Confidential)

In an effort to study the current trend in the standards of medical education a questionnaire was prepared by the World Medical Association and sent to the various national medical associations comprising its membership. The questionnaire included questions relative to qualifications; organization and number of medical schools in each country; selection of applicants; general scheme of curriculum; preclinical training; clinical training; examinations; internship or practice under supervision; ethical conduct and student organizations. Twenty-six (26) national medical associations returned answers to this questionnaire.

QUALIFICATIONS

It would seem from the answers received from the national medical associations that medical degrees and diplomas are awarded in the Netherlands and Spain by the State or Ministry of Education. Luxembourg has no provision for awarding degrees or diplomas as it has no medical school, and in the remaining twenty-three (23) countries degrees or diplomas are awarded by the universities or medical schools. In Belgium, Eire, France and Great Britain, countries having universities or medical schools awarding degrees, diplomas or degrees are also awarded by either a licensing corporation or through the Ministry of Education.

All the countries except Australia have official enactments or regulations governing the standards of medical qualification and in Australia, one State, Queensland, has official enactments.

MEDICAL SCHOOLS

Return to CIA Library

Numbers

The replies from the twenty-six (26) countries cover a total of 288 universities and medical schools and 18 preparatory or pre-medical schools. Norway reported that at present their accommodations and number are inadequate, but will be adequate when the school, now under construction, is ready for operation; seven (7) national medical associations, Belgium, Czechoslo-vakia, Hungary, Iceland, Netherlands, Spain and Switzerland report adequate number of schools and accommodations in schools. In the United States the American Medical Association reports that while the number of schools and accommodations are reasonably adequate there is room for a few additional schools, which are in the process of establishment. Fourteen (14) associations felt that either the number of schools or the accommodations and teaching staff are inadequate (see Table II, page 3-4). Three (3) associations (Cuba, France and Luxembourg) did not answer this question.

Universities

In all except one country (India) the medical schools constitute faculties of universities. In India Relation- they are provided largely by the state although some are ship to provided by voluntary bodies. Great Britain and the United States report a few independent or private schools in addition to those associated with universities, and ten (10) associations (China, Cuba, Denmark, Eire, France, Iceland, Netherlands, Spain, Sweden and Switzerland) report state or local aid to medical schools.

All but two (2) national medical associations Teaching (Eire and France) report that medical schools are at-Hospitals tached to or associated with hospitals specially organized for teaching purposes.

tion

In all the countries from which replies were received the majority of medical schools are open to both men and women. India has three (3) schools for women only; Chile has one (1) school for men and the United States has three (3) segregated schools.

ENTRY TO MEDICAL COURSES

In the selection of applicants for admission to the medical course, four (4) national medical associations (Bolgium, Eiro, France and Notherlands) report there is no specific selection except in certain schools in Belgium and one (1) school in Eire in which written examinations are used. Six (6) national medical associations (Canada, China, Czechoslovakia, Great Britain, India and the United States) report that interviews are used in the selection of students and Chile reports the interview as a method of selection in use in one (1) school; three (3) associations (Canada, India and the United States) report the use of intelligence or aptitude tests while Great Britain reports their use experimentally, and Cuba, that they are at present being considered. Fifteen (15) national medical associations report the use of written, oral or both written and oral examinations as a method of selection of applicants; Belgium reports that they are used in certain universities; Fiftoen (15) associations report the review of class records of previous school work as a method of selection. (See Table III pages 5-7). Only one (1) association (Canada) reports the use of all four methods of selection of applicants; the associations in China, Czechoslovakia, Great Britain, India and the United States report use of three (3) of the four methods; six (6) (Bulgaria, Chile, Donmark, Hungary, New Zoaland and Switzerland) use two of the methods, and nine (9) associations report only one method of selection of applicants in their country. (For specific details see Table III pages 5-7).

Age of Entry

Sclec-

tion

The usual age of entry into medical school varies from sixteen (16) years in India and Spain to twenty-two (22) years in the United States. The average median age for all the schools in the countries submitting reports is nineteen (19) years. (Table III pages 5-7, column 6).

Austria, India, Norway and Sweden report that the medical profession in their countries does not regard as satisfactory the present standards and arrangements for the selection and admission of students to schools of medicine. Fourteen $(1l_1)$ national medical associations reported that the medical profession is satisfied with the present standards and arrangements, although some of these suggested general lines of improvement and criticism. The suggestions and criticisms varied widely. Sclection For example, certain national medical associations feel that methods of selection of applicants can be improved through a wider use of selective and comprehensive examinations, while another suggests that too much time is spent in preparation for examination. Because of the wide variance of criticisms. it would be impossible to summarize without repeating large portions of the tabular report. (For criticisms on Standards and Arrangements for the admission of students, see Table III, column 8,

Criticisms of

pages 5-7.)

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GENERAL SCHEME OF CURRICULUM

The national medical association in Austria, Czechoslovakia, Hungary and India report that the medical schools do not frame their own curricula. Eire and New Zealand did not answer this question. The remaining nineteen (19) national medical associations report that each medical school does frame its own curriculum.

In Cuba, France, Greece and the Netherlands, there is no official or other organization that acts as a coordinating body either by laying down requirements or making recommendations in relation to the curriculum. In Austria, Czechoslovakia, Iceland, Italy and Spain requirements are set forth by the government or by legal enactments. The Ministry of Education or Social Affairs is the co-ordinating body in Bulgaria, China, Denmark, Hungary and Norway. A Medical Council acts in this capacity in Australia, India, New Zealand and the Unitedrates. In Canada, Eire and Great Britain coordination is achieved through the Medical Register or Licensing Agency. Coordination in Belgium is accomplished through a commission of the faculty and an official council working with the Minister of Public Education; in Chile, by the University of Chile, before whose faculty the curriculum of the other two universities in formed; and in Sweden, by the Chancellor.

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Framing of Cur-riculum

The length of the medical courses vary from four (4) to eight (8) years. The Indian Medical Association reports four (4) years in medical schools and five (5) years in medical colleges. Five (5) years are reported by Austria, Chile and Hungary; Czechoslovakia reports five and one-half (5½) years. The medical course is six (6) years in length in Australia, Bulgaria, Eire, France, Great Britain, Greece, Italy, Luxembourg, New Zoaland, and six and one-half ($\frac{5}{2}$) years in Switzerland; seven (7) years in Belgium, Chile, Cuba, Iceland, Norway and Spain; seven and one-half ($\frac{7}{2}$) years in the Netherlands; Denmark reports eight and one-third ($\frac{8}{2}$) years duration for their medical course. In Canada, Sweden and the United States the medical course is four (4) to five (5) years in length, but must be preceded by pre-medical or medical science education of three (3) to four (4) years.

Length of Curriculum

It is difficult to compare the general outline of the curricula according to the course of study for a specific year in medical school, as in the schools having six (6) to eight (8) years in the course the first two (2) years are almost entirely medical science courses and pre-medical studies. These courses correspond to the course content offered in pre-medical schools in those countries having four (l_1) to five (5) years in medical school preceded by specific educational requirements. The final two (2) to three (3) years in medical schools in the majority of countries reporting are devoted to clinical bedside instruction and correlated didactic lectures (although the degree of this correlation of lectures and practical application seems to vary greatly) in medicine, surgery, pediatrics, obstetrics and the specialties. (See pages 10-18 for specific information.)

Content
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Curricu-

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PRE-CLINICAL TRAINING

Nine (9) national medical associations (Belgium, Canada, China, Cuba, France, Luxembourg, New Zealand, Sweden and the United States) report that medical students are expected to have had a special training in physics, chemistry and biology be ore they begin the course in the medical school. In Canada and the United States this is provided in the pre-medical course. Australia and Great Britain it varies, some students taking the examination before the enter medical schools and others studying these subject: in medical school. The other fifteen (15) national modical associations report that students are not expected to have any special training in these courses before admission to medical school. In ten (10) countries (Chile, China, Cuba, Greece, Iceland, India, Italy, New Zealan, Sweden and the United States) these subjects are taught as basic sciences without special reference to medicine. In the remaining fifteen (15) countries, biology, che listry and physics are taught with special reference to medicine, although Australia reports that this varies.

Biology, Chemisbry and Physics

Two (2) national medical associations (Denmark and Sweden) report that the medical profession does not regard as satisfactory the present teaching of biology, chemistry and physics on the basis that in Denmark the courses are too extensive, especially the physics course; in Sweden that the courses are too elementary and there is not enough practical application. Five (5) countries (Canada, Great Britain, India, Luxembourg and Switzerland) report a division of opinion. Their cumulative criticisms varying widely, being that the courses are:1) too time consuming with a lack of application; 2) not an adequate basis of scientific method; 3) is not accorded a sufficiently high status; 4) insufficiently coordinated; 5) should be taught before admission to medical school; 6) should be taught as basic general science and 7) should be applied directly to medicine. One (1) association (Italy) reports that the medical profession is satisfied in respect to the theory offered in these courses but feels that the practice sections are too large and the facilities too limited for accquate student preparation. Fifteen (15) associations report that the medical profession is satisfied with the teaching of the courses in biology, chemistry and physics, although Belgium reports a few who feel these courses are excessively detailed and the Metherlands which feel more emphasis might be placed on medical applications. (For details see Table V pages 19-22.)

From the reports submitted by the national medical associations, it would seem that the courses in anatomy and physiology offered by the medical school are in many respects similar. (See page 19-21, column 2-3.) Normal psychology, however varies from not being offered at all, either as a prerequisite or a medical school course, to varieties of recommended or required courses for university degrees.

Anatomy, Physiology and Psychology

In some cases schools offer a special course in normal psychology for medical students or combine it with the course in neurology and psychiatry. (See pages 23-26, column 4.)

All national medical associations report that the majority of teachers in anatomy and physiology are medically qualified. The psychology course in Bulgaria, Canada, Denmark, Iceland and the United States may be taught by persons holding the degree of Doctor of Philosophy.

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Only four (4) national medical associations (Denmark, Greece, India and Sweden) report that the teach-(Continuous)

(Continuous)

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Anatomy, Physiology and psychology are not satisfactory in the view of the medical profession. A cumulative summary of their criticisms include: 1) lack of facilities; 2) excessive lectures; 3) too much detail:

(Continuous)

(Continuous) practice sections are too large and the facilities too limited. Norway reports that the normal anatomy course is too detailed, but on the whole, seventeen (17) countries reported that the courses in anatomy, physiology and psychology (where a psychology course is offered) met with the approval of the medical profession.

CLINICAL TRAINING

On the whole the general features and organization of the teaching of clinical subjects, especially with reference to the general approach to clinical medicine is similar in all countries. The students have didactic lectures and demonstrations; group instruction at the patients' bedside; and attend clinics or are assigned to various hospital services where, under supervision they have opportunities in diagnosis, prognosis and treatment.

General (See Table VI, pages 27-29, column 2.) In eight (8)

Features countries (Austria, Canada, Chile, Cuba, Denmark, Italy,

Norway and Sweden) the student does not hold an appointment in a teaching hospital as part of his training. In ten (10) countries (Australia, Bulgaria, China, Eire, Great Britain, India, New Zealand, Spain, Switzerland and the United States) the students act as clinical clerks or dressers, but in most of these countries they have no official appointment in such a capacity. The remaining seven (7) countries did not answer this question. (See Table VI pages 27-29, column 4).

logy

Australia, Denmark, Great Britain, Norway and Sweden report that the degree of coordination in the teaching and of cooperation among the teachers is dofi
Coordina-cient. Switzerland reports that it is good between
tion professors and hospital doctors, but limited within the university. China, France and Greece did not answer this question, and the remaining sixteen (16) associations report satisfactory or increasingly improving co-ordination and cooperation. (See Table VI pages 27-29,

According to the medical associations in Belgium, Bulgaria, Cuba, Eiro, Hungary and New Zealand, sufficient emphasis is laid on: 1) the prevention of illness; 2) the mental aspects of illness; 3) the social, economic, occupational and other environmental factors in Criticisms of medical schools in these countries. Australia (with the Special Phases Great Britain, Greece and Italy report that the emphasis is insufficient in all four phases. Iceland, Norway and the United States report that the emphasis upon these four phases has been insufficient, but that the present trend is producing more adequate emphasis. The degree of sufficiency of the emphasis varies in the other countries. (For details see Table VI pages 30-31, columns 2-3-4-5.)

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In Belgium, Canada, China, Cuba, Great Britain, India, Italy and Sweden the teachers are of both consultant and specialist status. In Chile they are neither consultant nor specialist status. In Bulgaria, Hungary, Netherlands and New Zealand they are of consultant status, and in the remaining nine (9) countries they are specialists.

Status of Teachers

Belgium, China, and Iceland report that the medical schools have both full-time and part-time instructors. In Australia, Austria, Eire, India and Switzerland the instructors in theory are full-time, those in the hospitals, part-time. In Canada and Sweden, hospital teachers are full-time and theory instructors are part-time. In Bulgaria, Czechoslovakia, Netherlands and, with the exception of the professor in surgery, in New Zealand, teachers hold full-time appointments. In Great Britain all teachers are part-time except for a small proportion and in the United States most schools have a full-time nucleus and a few schools have a majority of full-time instructors. France did not answer this question, and the remaining eight (8) countries report all or a majority of part-time instructors.

General
Practitioners
as
Teachers

The national medical associations of Australia, Chile, China, Greece, Hungary, Italy, New Zealand, Spain and United States report that general practitioners do take part in the teaching of stucents. In most countries they act as assistant instructors in courses, or supervise practical experience in the hospitals. Denmark and the United States report the planning and experimenting in a course in problems and opportunities of general practice which is taught by a general practitioner. All other countries reported that general practitioners do not take part in the teaching, except in very few instances.

Criticisms of Clinical Training Austria, Belgium, Bulgaria, China, France, Hungary, India, in certain instances, New Zealand, Spain and the United States report that the system of clinical training is satisfactory in the view of the medical profession. The general line of criticism from the national medical associations of the other countries is widely divergent. Most frequently mentioned criticisms include: 1) too few teachers; 2) excessive emphasis on specialization with underemphasis on commoner conditions; 3) lack of practical experience with patients; 4) too little coordination of theory and experience, and 5) too little bedside teaching. (For complete list of criticisms see Table VI pages 32-34, column 4.)

EXAMINATIONS

From the reports submitted by the national medical associations, it would seem that in general the scheme of examinations in medical schools is similar. The majority of schools have oral, written and practical examinations over the courses which the student has completed. In some countries these examinations must be completed before the student may go on to other courses; in others the student may take the examination at some later date. The specific examination schedule varies so widely from country to country that summarization is difficult. (For details see Table VII pages 35-39, column 2.)

Separate examinations are set in each clinical subject in all the countries except Greece. In Canada all are separate except pathology, anatomy and radiology which are coordinated in clinical courses. Coordination Coordina- in these examinations is reported lacking in Austria, tion Cuba, Greece, Italy, Spain and the United States and limited in Denmark and Great Britain. Chile has coordination in medicine and surgery. Other countries report coordination in the examinations in clinical subjects.

Examinations are conducted by external examiners in Great Britain and occasionally in Canada; internal examiners associated with external examiners in Denmark, Examin- Eire, Iceland, India, Luxembourg, New Zealand, Norway and ing Switzerland; by both internal examiners, and the latter Authori- associated with external examiners, in Canada, Czechoslovakia, Italy and the Netherlands. Australia reports examinations by internal examiners associated with external examiners in Melbourne and internal examiners in Adelaide, Queensland and Sydney. The remaining eleven (11) countries report examinations conducted by internal examiners.

Class Records In Denmark, Great Britain, Iceland, Italy, Luxembourg, Notherlands and Switzerland class records are not taken into account. In Canada, Eire and India they are occasionally considered. Austria, Belgium, Bulgaria, Norway and Spain did not answer this question. In the remaining eleven (11) countries class records are taken into account.

Criti- · cisms Examina-

Great Britain roports that the system of medical examinations is not satisfactory in the view of the medical profession and, Sweden reports it as not being entirely satisfactory. The general line of criticism is:
1) absence of coordination; 2) examinations held too frequently during the clinical years; 3) examinations rely
too much on memory work and do not adequately test understanding of subject and ability to deal with practical problems, and 4) in Sweden, student may take examination in one course during a period when he is attending another class. Italy and Luxembourg did not answer this question specifically. The remaining twenty-two (22) countries report that the system is satisfactory to the medical profession, although Switzerland suggests it would also be desirable to evaluate the personality of each candidate. (See Table VII pages 35-39, column 9-10.)

INTERNSHIP OR PRACTICE UNDER SUPERVISION

In sixteen (16) countries the scheme of medical education provides, as an integral part of the student's training, for a period of practice under supervision. This period varies from three and one-half months in Sweden to five years in France. Six months, and one year are the most frequently listed periods. During this time the student has supervised experience in varying aspects of hospital and clinic work with patients, and in some countries may be assigned the title of House Surgeon, Coassistant or Intern. Canada and the United States report that they each have six schools requiring a year of this experience and India reports such experience in a few medical colleges. In Czechoslovakia there is no such experience offered in the curriculum of the schools, but the graduate is required by law to spend two years in a hospital before becoming an independent practitioner.

Internship or Practice under Supervision (Continued)

Australia, Austria, Cuba, Lire, Great Britain and Norway have no such scheme in their medical schools.

In Australia, Czechoslovakia, Greece, three schools in Canada, and twenty-five states in the United States, the internship or practice under supervision is taken after registration or the conferment of a license to practice. In China, Denmark, Iceland, India, Italy and Lux-lembourg this form of practice is taken after the qualifying examination, but before registration or the conferment of a license to practice. ment of a license to practice. In Austria, Belgium, Bulgaria, six schools in Canada, Chile, Cuba, France, Greece, Hungary, Spain, Sweden, Switzerland, and 23 states in the United States, the District of Columbia, Alaska, Hawaii, Porto Rico and the Canal Zone of the United States, the internship is taken before the final qualifying examination. (See Table VIII pages 40-45, column 5-6-7.)

Italy is the only country in which the internship is taken after the qualifying examination, but before registration or the conferment of a license to practice, and in which another examination (the state examination) is set at the end of the period of practice under supervision. (See Table VIII pages 40-45, column 8.)

Students

Students are paid a remuneration during the period of practice under supervision in Bulgaria, Canada, China, Cuba, Denmark, France, Greece, Iceland, New Zealand and Remunera- the United States. Only Iceland reports this remunera-tion of tion as being adequate. In the other countries it is a very small stipend and is payable in certain countries only when the student assumes extra duties. Australia, Czechoslovakia, Eire, Great Britain and Norway do not offer an integrated practice period. In the remaining countries no remuneration is received by the student. However, students receive board and room during this period in Hungary, Luxembourg, and Switzerland. (See Table VIII pages 40-45, column 9.)

Legal Position of Student

The legal position of the student during the period of internship or practice under supervision is that of a student, with the hospital, the superintendent of the hospital or the chief of staff being legally and professionally responsible for the student's practice. This is true of all countries reporting except Denmark, where the student must have a doctor's license for subordinate appointments, and a few states of the United States which require a certificate to practice within the hospital. (See Table VIII pages 40-45, column 10.)

Criticisms οſ Internships

The arrangements for internship or practice under supervision are regarded as generally satisfactory by the national medical associations of fifteen (15) countries. Countries having no plan for practice under supervision, that is, Australia, Austria, Eire, Great Britain and Norway express a need for this type of experience as an integral part of the medical school curriculum, and the majority of them are working on plans to incorporate this experience into the curriculum. Belgium, India, Italy and Hungary express a need for more supervision of this experience in order to make it generally satisfactory, and in the case of India, the national medical association feels that it should be extended to all schools. Greece and Luxembourg did not answer this question. (See Table VIII pages 40-45, column 11-12.)

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ETHICAL CONDUCT

On graduation or on receiving his license to practice, the student in Australia, Belgium, China, Eire, India, Italy, Luxembourg, New Zealand and Sweden do not give any formal promise or undertaking as regards his future conduct. In the remaining seventeen (17) countries students, either on receiving their doctor's degree or at the conferment of their license to practice, make a vow or sign a written promise. The majority of these vows and promises are modifications or modernizations of the Hippocratic Oath. In France the student also takes the solemn oath of the World Medical Association.

STUDENT ORGANIZATION

In Australia, Austria, China, India, Italy, Luxembourg and the Netherlands there is no national organization of medical students. The national medical associations in Austria, India, Italy and Luxembourg feel that such an organization would be desirable; the other three (3) associations, that it is unnecessary.

In Canada, Czechoslovakia, Cuba, Eire, Great Britain, Hungary, Iceland, Spain, Sweden and Switzerland there is an organized relationship and contacts between the national medical student organization and the national medical association. This contact varies widely, a brief compilation being: 1) student organization as an affiliated society of the national medical association (Canada) or student members on special national association committees (Eire and Great Britain); 2) conclude employment agreements for medical students engaged as assistants to district medical officers; 3) providing the Journal and answering professional questions (Switzerland); 4) a combination of shared scientific and social contacts, in the remaining countries. (See Table X pages 47-51, column 3.)

The major relationship and contact are between the national medical association and medical students generally. Belgium, Bulgaria, Canada, Czechoslovakia, Cuba, Eire, France, Great Britain, Hungary, Spain, Switzerland and the United States report contacts at this level. These relationships vary widely, a brief compilation being: 1) official Journal and booklets to students at special rates; 2) special student section in Journal; 3) secretariat assistance and meeting rooms; 4) special committee on medical student relationships; 5) prizes for essays; 6) financial aid, and 7) scientific, cultural and social contacts. (See Table X pages 47-51, column 4.)

Only Belgium, Great Britain, Hungary and India report organized relationship between local medical faculties and local medical student groups. (See Table X pages 47-51, column 5.)

The national medical associations of Australia, Iceland and the Notherlands do not think closer contact between medical organizations and medical student organizations is desirable. Canada and Cuba report that their present contact is satisfactory. The other national medical associations feel that this relationship is desirable and in many cases that it should be further developed or at least continued as it fosters a friendly contact which is mutually beneficial. (See Table X pages 47-51, column 6.)

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	1 Qualifications	, ,
to the second se	Agency or Institution awarding medical degrees and diplomas	Are standards governed by official regulations?
Australia	Universities	Only in Queensland
Austria	Universities	Yes Commune for A
Belgium	University or Central Commit- tee of Professors named by	Yes Westest will
ne it	the Minister of Public Educa-	767/29h
Bulgaria	Universities	Yes
Canada	Universities	Yes 10 kg (
Chile	University	University Statutes and By-Laws of Education.
China	Medical Schools	Yes
Cuba	University of Havana.	By faculty of University of Havana.
Czecho= slovakia	University, Faculty of Medi- cine	Yes
Denmark	University	Yes
Eire	l. Universities 2. Royal College of Surgeons of Ireland	Yes
	3. Apothecaries Hall of Ireland.	
France :	University for university diploma. Ministry of National Education for state diploma.	Yes
Great Britain	1. Universities - degree 2. Licensing Corporation - diploma.	Yes, the law provides that the standards of proficiency required at qualifying examinations shall be such as sufficiently to guarantee possession of the knowledge and skill requi-
		site for the efficient practice of medicine, surgery and midwifery; and it shall be the duty of the general medical council to secure maintenance of such standards of efficiency.
Greece	Universities	Yes
Hungary	Universities	Yes
Iceland	University	Yes
India	1. Universities 2. State Medical Faculties in some Provinces. Medical Examining Boards in some Provinces. College of Physicians and Surgeons of Bombay grant Licentiates' diploma, not recognized by Medical Council of India, but by the Provincial Medical Councils.	Yes
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	(1)	(2)
Italy Luxembourg	Universities No medical school in country. State	Yes Must pass-examination before a committee of Medical Sepcialists. Yes
New Zealand	University University	Yes Yes
Spain	Ministry of National Education.	
Sweden	Medical Schools Medical Schools	Yes Yes
Thited States	Universities and Medical School	s Yes

Approximation of many contents of the content of th	II Medical Schools								
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Chile 3 No Yes Yes Co-education oxcept one for money. China 60 No Yes - some provided by state. Cuba 1 - Yes, sometimes provided by state, local authority or voluntary group. Czecho-slovakia Denmark 2 No Yes, provided by state. Eire 6 No Yes, provided by state. Eire 6 No Yes, for uni-versity about other special hospitals. Eire 7 No Yes, for uni-versity schools others provided by state. France 3 full courses, ll pre-paratory schools Coreated. France 7 State created. France 8 Fritain 7 State created. France 9 Number of courses, ll pre-paratory schools Need to created. France 9 Number of created. France 1 State created. France 1 State created. France 2 No Yes, except one of the state created. France State created. France 9 No Yes Yes Co-education of the state created. France 1 State created. France 2 No Yes Yes Co-education of the state created. France State created. France 1 State created. France 2 No Yes Yes Co-education of the state can be created by state can be created. France 1 State created. France 2 No Yes Yes Co-education of the state can be created of the state can be created of the state can be created. France 2 No Yes Yes Co-education of the state can be created of the state can be		2 9				Co-education Co-education			
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Cuba 1 - Yes, sometimes provided by state, local authority or voluntary group. Czechoslovakia Denmark 2 No Yes, provided by state Eire 6 No Yes, provided by state Eire 6 No Yes, for university schools others provided by state. France 3 full courses, lipre-paratory schools Great Britain 7 State created. France 31 Number of schools is adequate. Its ments in Need more accommodations and teaching staff in cach Greece 2 No Yes Yes Yes Co-education Greece 2 No Yes, except one or two except outs. Its ments in Need more accommodations and teaching staff in cach Greece 2 No Yes Yes Co-education Greece 1 Yes Yes Yes Co-education Co-education	0111111		NO	provided by	res	Co-education			
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State, local authority or voluntary group. Ves Yes Yes Yes Co-education Penmark 2 No Yes, provided by state. Eire 6 No Yes, for uni- no versity schools others provided by state. France 3 full courses, ll pre-paratory schools is adequate. Need more accommodations and teaching staff in cach India 20 Med-local colleges, l2 Medi- apploved Fdr Release 2011/11/21 ClarRDP8D-00926A001400010002-5	Cupa	1	-	Yes, sometimes provided by	Yes, a uni-				
Voluntary group. Voluntary group. Vos group. Ves Ves Ves Co-education	. 1			state, local	pital and				
Czecho- slovakia Denmark 2 No Yes, provided by state Eire 6 No Yes, for uni- versity schools others pro- vided by state. France 3 full courses, 11 pre- paratory schools Great Britain Great Fritain Great Great Great Great Britain Great G	•			voluntary		1			
Denmark 2 No Yes, provided by state Eire 6 No Yes, for uni-versity schools others provided by state France 3 full courses, li pre-paratory schools of of schools of ore ated. Great Britain 2 Number of schools one or two exstra mural prilis adequate. Need more accommodations and teaching staff in each Greece 2 No Yes Yes Co-education Greece 2 No Yes, provided by state Largely state, targely state, to clean of the provided by state to clean of the provided by state to clean of the provided by state to clean of the provided by state, the provided by state to clean of the provided by state, the provided by state to clean of the provided by state to clean of the provided by state, the provided by state to clean of the provided by state, the provided by state to clean of the provided by state, the provided by state to clean of the provided by state, the provided by state to clean of the provided by state to co-education o				group.					
Eire 6 No Yes, for uni- versity schools others pro- vided by state. France 3 full courses, 11 pre- paratory schools Great Britain 7 of of schools tame mural pri- is ade- quate. Need more accom- moda- tions and teach- ing staff in each India 20 Med- India 30 Med- Ind		7	Yes	Yes	Yes	Co-education			
France 3 full courses, ll pre-paratory schools Great Britain 31 Number of schools is adequate. Need more accommodations and teaching staff in cach Greece 2 No Yes Yes Co-education Greece 2 No Yes Yes Co-education Greece 1 Yes Yes Co-education Greece 2 No Yes Yes Co-education Greece 2 No Yes Yes Co-education India 20 Med-logal staff and teaching staff in cach logal help stafe and logal help stafe an	Denmark	2	No	Yes, provided by state	Yes	Co-education			
France 3 full courses, li preparatory schools Great Britain 31 Number of schools is adequate. Need more accommodations and teaching staff in each Greece 2 No Yes Yes Co-education Greece 2 No Yes Yes Co-education Greece 1 Yes Yes Co-education Greece 2 No Yes Yes Co-education Greece 2 No Yes Yes Co-education India 20 Medical colleges, 12 Median No calleges, 12 Median No leges, 12 Median No leges No l	Eire	6	No :	versity school others pro- vided by		Co-education			
Britain of one or two extra mural private establishments in Scotland. Greece 2 No Yes Yes Co-education thungary 4 Yes Yes Yes Co-education India 20 Medical collinges, 12 Medi- leges, 12 Medi- Approved For Release 2001/11/21: CIA-RDP80-00926A00140001p002-5	France	courses, ll pre- paratory		Yes, state	.No	Co-education			
Hungary 4 Yes Yes Yes Co-education Iceland I Yes Yes Yes Co-education Yes India 20 Med- ical col- ical col- leges, 12 Medi- Approved For Release 2001/11/21: CIA-RDP80-00926A001400010002-5		31	of schools is ade- quate. Need more accom- moda- tions and teach- ing staff	one or two ex- tra mural pri- vate estab- lishments in	Yes	Co-education			
Hungary 4 Yes Yes Yes Co-education Iceland 1 Yes Yes, provided by state India 20 Med- ical col- ical col- leges, 12 Medi- Approved For Release 2001/11/21: CIA-RDP80-00926A001400010002-5	Greece	2	No	Yes	Yes	Co-education			
Iceland I Yes Yes, provided Yes Co-education by state Largely state, Yes Co-education ical colleges, 12 Medi- Apploved For Release 2001/11/21: CIA-RDP8D-00926A001400010002-5	Hungary	1,	Yes	Yes					
India 20 Med-No ical colleges, 12 Medi- Approved For Release 2001/11/21: CIA-RDP80-00926A001400010002-5	Iceland	ı	Yes	Yes, provided	Yes				
Approved Fdr Release 2001/11/21 : ČľÁ-RDP8þ-00926A00140001þ002-5	· -	ical colleges,		by state Largely state, 4 voluntary with state and	:	Co-education in most, 3			
		Appiłoved Fdı	Release 20	01/11/21 : CIA-RDP8	-00926A00140001	0002-5			

			ical Schools (C		
	(1)	(2)	(3)	(14)	(5)
Italy	19	No.:	Yes	Ye 3	Co-education
Luxembourg	NO	MEDICA	L SCHOOLS	en de	
Ne ther- lands	4	Yes	Yes, 3 state, 1 local.	Yeз	Co-education
Now Zea- land	1	No	Yes	Yes	Co-education
Norway	1 plus 1 being built.	No Yes	Yes	Y∈s	Co-education
Spain	10	Ye s	Yes, state	Ye s	Co-education
Sweden	3	No	Yes, 2. State	Yes	Co-education
Switzer- land	5	Yes for Swiss.	Yes, state	Y∈s	Co-education
ļ		No for foreign			
United States	71 plus 7 school of basic	Reasor ably ade-	- Yes, 71. 11 are independent.	Ye s	Co-education except in 3 schools.
	medical sciences	quate but pro-		4	
	THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF TH	bably room			
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		ditional school:			
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	Method	l of se	lection	of	Usual age	Do⊕	s the profession
ale.	1	applic	ants	18.22550	of entry?	reg	s the profession and as satisfac-
	Inter- view?	ina-	Intel- ligen	view	:		y the present ndards and arrang
		tion writ- ten or oral?	ce or apti-tude tests?	rec-		men tio of tra wha	ts for the selec- n and admission students for ining? If not, t is the general e of criticism?
							Criticisms
Australia		Yes		2	17 - 18 years	Yes	Fitness should be determined by; 1. Competition exams. 2. Interview with faculty committee
Austria		Yes	±		19 years	No	Investigation being made to reduce number of applicants.
Belgium		Cer- tain univer sities			18 years		Believe all schools should use an entrance examination.
Bulgaria		Yes Scienc and Liter- ature.	9	Yes	19 years	Yes	
Canada	Yes	Yes	Yes	Yes	Average 19 years. 24 to 26 year for Vet- erans.		Overemphasis on previous academic standing. Need for undergraduate scholarships.
Chile	In 1 school	In all	T	Yes	17-19 years	Yes	Except for limited space, which limits number of students accepted.
China	Yes	Yes writ- ten and oral.		Yes	18-20 years	Yes	
Cuba		Ob- ject of con- sider- ation.	Object of con- sidera- tion.	have	17 years.		Adequate but not perfect, there if fore, the consideration of selective examinations is under way.
zecho- slovak ia .	Yes, for general capa- bility	tical		Yes	18-20 years	Yes	
Denmark	No ,	Yes, writ- ten and oral	No	Yes	18 years;		Selection based upon intelli- gence tests and ethical quali- fications con- sidered desir- able by many.

Comparison of the comparison				election	n of		- 1	
France No No No 19 years with large ment committee with large medical representation. France No No No 19 years tion. France No No No No 19 years to or ducation in the tion. France No No No No 19 years to or ducation in the tion. France No No No No 19 years to or ducation in the tion. France No No No No 19 years to or ducation in the tion. France No No No Inc. No Inc. No Inc. No Inc. No No No Inc. No I	· · · · · · · · · · · · · · · · · · ·		1		(4)	(5)		(6) Criticisms
sxamination to Royal to Royal col- loge of Surgeons 17-18 1. General leve col- loge of Surgeons 17-18 years of education is not sufficiently high conditions the first a years ducation is not sufficiently high conditions the first a years ducation and an additional examination in physics and chemistry, conducted or recognized by one of the licensing bodies 30-lection of students has to be made because the demand for places in sedical schools exceeds the number available A considerable tumber of stidents intured tesland No No Yos 18-20 years Freece Yes, writt- years 18-20 years India Yes Yes Yes 18 years Competition examinations are conditions tiesland No No Yos 18-22 years India Yes Yes years 15-17 years Yes years India Yes Yes Yes 15-17 years Yes years India Yes	Eire		except for		No			Under investiga- tion by govern- ment committee with large medi-
Prance No No No No 19 years Proat			exam- ina- tion to Royal Col- loge					
Fritain Yes Yes Used experimentally before a student is accepted for a medical course he must have passed two examinations, the first a preliminary examination in general education and an additional examination in physics and chemistry, conducted or recognized by one of the licensing bodies. Solection of students has to be made bleeause the demand for places in medical schools exceeds the number available. A considerable number of students inter by virtue of winning school arships. Yes Yes, written. Yes Yes, Yes 18 years India Yes Yes, Yes one or community or religious persuasion. Profession desires it tutions. It aly Yes 18-19 Yes Large number of applicants with insufficient paragraph with insufficient paragraph with insufficient paragraph with insufficient paragraph and would be a student with insufficient paragraph and would be a student is accepted and interviews with insufficient paragraph and interviews with insufficient paragraph with insufficient paragraph and would be a student in such such and interviews with insufficient paragraph and would be a student in the such and interviews with insufficient paragraph and the paragraph with insufficient paragraph and the such and interviews with insufficient paragraph.			geons			3.0		
ted for a medical course he must have passed two examinations, the first a preliminary examination in general education and an additional examination in physics and chemistry, con- ducted or recognized by ene of the licensing bodies. Solection of students has to be made because the de- mand for places in hedical schools exceeds the number available. A considerable number of students inter by virtue of winning schol- arships. Procee Yes, writ- ten. Yes Yes Yes years. 18-20 years. 18-20 years. 18-20 years. Competition ex- aminations are being extended and improved. Competition ex- aminations are being extended and improved. Selection based on community or religious per- suasion. Profes sion desires it based on examin tion, intelli- gence tests and interviews with committee com- posed largely of doctors. Large number of applicants with insufficient pi paration would	Groat	Yes	Yes	Used experi- mentall		17-18 years		1. General level of education is not sufficiently
to be made because the demand for places in medical schools exceeds the number available. A considerable number of stadents inter by virtue of winning school arships. Yes, written. Yes Yes 18 years Competition examinations are being extended and improved. India Yes Yes, yes 15-17 No years. India Yes Yes, one or two institutions. Italy Yes 18-19 Large number of applicants with insufficient paration would		ted fo he mus examin prelim gonera additi physic ducted one of	r a me t have ations inary l educ onal e s and or re the l	dical c passed, the f examina ation a xaminat chemist cognize icensin	ourse two rst a rion in ad an on in ry, cor by bodie			2. Specialization is introduced too early in the basic medical sciences of physics and chemistry. 3. Need improved methods of selec-
Hungary Yes Yes Yes Yes Yes Yes Yes Ye		to be mand f school availa number by vir	made bor plas exceple. of stue of	ecause ces in eds the A consi udents	the de- nedical number derable enter	3		
Italy No No No Yes 18-22 Yes years. Italy No No No Yes 18-22 Yes years. Italy No Selection based on community or religious persuasion. Profession desires it based on examination, intelligence tests and interviews with committee composed largely doctors. Italy Yes 18-19 Large number of applicants with insufficient paration would	Greece		writ-				Yes	1. (1. (1. (1. (1. (1. (1. (1. (1. (1. (
India Yes Yes, one or two institutions. Yes Yes Yes 15-17 Years. No Selection based on community or religious persuasion. Profession desires it based on examination, intelligence tests and interviews with committee composed largely of doctors. Yes 18-19 Yes Yes Yes 18-19 Yes Yes Yes Yes Yes Yes Yes Ye	Hungary		Yes		Yes	18 years	الغديم للتأوي ومستعين يتكيب وميتاي	being extended
one or two institutions. Yes 18-19	[celand	No	No	No	Yes		•	·
years. applicants with insufficient puppers paration would	Ind ia	Yes	one or two insti	ns.			No	suasion. Profession desires it based on examination, intelligence tests and interviews with committee composed largely of
make limited at Approved For Release 2001/11/21 : CIA-RDP80-00926A0014000160025 desir-						years.		make limited ad-

: '	metho	ods of applic	selocti ants	OU OI				
	(1)	(2)	(3)	(14)	(5)		(6) Critic	isms.
Luxembourg	NO N	MEDICAT	SCHOOL		19 y ears	Yos	Should re	quire a
Nether-	No	No	No	No	18-20	Yes	tion the	examina
lands	NO	except		NO	years	1.08		Ì
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18.11	; ;	school	s		\$		-11, t-1	e E j
New Zealand	No	Yos	No	Yos	18 years	Yos		
Norway		Wide-		Yos	19 years	No	Difficul	t to fin
	111	ly dis	7		÷		better as ments.	rrango-
		but						31 20
mu Anges		not yet			į.			
		issued						
Spain				Yes	16 years	Yos	with the	
Sweden		Yes		1	18 - 20	No	Too much	
					years		spent sur	plement student
							examinati	on.
Switzer-	No	Yes,	No	Yes	19 years	Yes		l i
land		if the						•
4.5		ficate					the in the	l se
		of matur-						
		ity is lack-			į			, i
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United .	Yes	No.	Yos	Yos	20 - 30	Yes		alday j
State s				,	years. 22 years			14 ** 12 ** ** **
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in order of company of the pro-	Length of medical, training excluding internship?	Does Medi- cal school frame own curriculum?	Official or other organ- lization making recommend- ations or requirements as to curriculum?
lustralia	6 years	Yos	Regard is had to the standards laid down by the General Medical Council of Medical Education and Registration of Great Britain and Ireland
Austria -	5 years	No	Regulated by law.
3 lgium :	7 years; at least 3 years of natural science or pre- medicine, 4 years Doctorate candidate	Ÿcs	Yes, a commission of fac- ulty and an official council working with the Minister of Public Edu- cation.
Bulgaria	6 years of medicine 5 years of study 1 year under super-vision.	;	Supervised and coordinated by Minister of Public Education.
Canada	143/4 to 5 years. Some require B.A. or B.S. degree be- fore medical school	Yos	Licensing agency coordinates.
Chile :	7 years	Yes	Yes, the University of Chile, before whose faculty the examinations of the other two are formed
China	5 years	Yes	Ministry of Education.
Cuba	7 years	Yes	University of Havana.
Csecho- lovakia	5월 years	No	Government
Donmark	7 year minimal. 8.3 year average	Yes	Ministry of Education sets requirements.
Eire	6 years		Irish Medical Registration Council with statutory authority.
France	6 years	Yes	No, the head professors and assistants plan the program.
Groat 3ritain	5-6 years. Usually 6 years. General Medical Co		The General Medical Council, a statutory body charged with the keeping of medical reg- ister and maintenance of high standards of medical education makes recom- mendations from time to time to the medical schools on the broad out line and content of sub- jects which should be in cluded as a minimum in the medical course. The recommendations are not binding on the medical schools, but a school that reduces its stand- ards below this minimum would find itself in dif ficulty because its star

Approved For Release 2001/11/21: CIA-RDP80-00926A001400010002-5 IV General Scheme of Curriculum (Continued)

	(1)	(5)	(3)
Greece	6 years	Yos	None
Hungary	5 years (10 semes- ters)	No	Minister of Cults and Education after consultation with the faculties concerned and approved by the Head of the State.
Iceland .	7 years	Yes	Ratified by government.
India	5 years in medical college. 4 years in medical schools.	No, medical college by university. Medical school by state faculties or medical examining boards.	Yes - Universities by Medical Council of India Medical schools by Medical Board of Studies.
Italy	6 years	Yes	State law.
Luxembourg		Students stud Switzerland n war. Yes	y in Belgium, France or ost frequently, since the
Nether- lands	7½ years	res	110
New Zealand	6 years		General Medical Council of the United Kingdom.
Norway	6-7 years	Yes	Ministry of Social Affai
Spain	7 years	Yes	Yes
Sweden	3½ years for candidate of medicine. 4½ years for licentiate.	Yes	Chancellor approves.
Switzer- land	ဝိ≵ years	Yes, but limited by government.	Medical Examining Board.
United States	4 years. Following pre-medical education of 3-4 years.	Yes	Council on Medical Educa tion and Hospitals of American Medical Associa tion; Association of American Medical Col- leges.
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		Jenor	eal Outline of Ourric	אמנו לני		10
	First Year	Second Year	Third Year	Fourth Year	Fifth Year	Sixth Year
	Physics, chemistry, biology, including principles of botany zoology, comparative and embryology of vertebrate. Introductory physiology, physical education.	bioch emistry	neurology, physio- logy, biochemistry, First aid, clinical and applied anatomy clinical applica- tion of physiology	clinical pathology, social and tropical medicine, general preventin, tropical medicine, parasitology, prevention by sanitation. Medicine Principles and practice, materia medicatherapeutics, hospital practice. Surgery Principles and practice, hospital practice, hospital practice, obstetrics.	Infectbus diseases Pulmonary Dermatology Diseases of Hospital practice Surgery Surgical anatomy Hospital practice Anesthetics, orthopedics, urology, venereal disease, social and tropical medicine, sanitation, industrial hygiene, forensic mediche, institutional visits Obstetrics Resident hosp antenatal car operative obs infancy, moth Clinical and	including ital practice, septic work, tetrics, abnormal ercraft, gynecology, pathological d mental hygiene,
ustria	Pre-clinical study f Physi Chemi		ing:	Six terms in clinica coordination betweer is satisfactory.	l study. The different parts	

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General Outline of Curriculum (Continued)

Second Year Third Year First Year Fourth Year Fifth Year Sixth Year At least 4 years
First, Second and Third years:
Principles of philosophy, experimental physics, zoology and comparative anatomy, general chemistry, botony, elements of embryology, human anatomy, general and special histology, experimental physiology and physiological chemistry. Pathology, physio-therapy, pharmaco-logy, therapeutics, pathological anaelgium tomy, pathology and treatment of internal disease and mental disease, surgical pathology and treatment, general and special general and special obstetrics, hygiene public and personal bacteriology and parisitology; legal medicine, clinical medicine and radiodiagnosis, clinical obstetrics, clinical pediatrics; clini-cal ophthalmology and oto-rhinoand oto-rhimo-laryngology, derma-tology and venereal disease, clinical psychiatry, clinical gynecology, clini-cal wrology, ele-ments of stomato-logy and tropical diseases. diseases.

11

12 General Outline of Curriculum (Continued) First Year Second Year Third Year Fourth Year Fifth Year Sixth Year General biology, Bulgaria General pathology, Therapeutics, pedia Human anatomy, Clinical medicine, Social hygiene medical physics, medical chemistry, histology, embryo-logy, physiology, biochemistry, pathological anatomy trics, orthopedics pathological physio- Clinical infectious diseases and environmental Clinical medicine Urology sanitation, medilogy, gross anatomy, physiological path-Languages - Latin, Clinical cal ethics, occu-pational diseases, Clinical surgery Gynecology and obstetrics Russian, French, languages. ology, bacteriology; medicine, surgery, hospital experience. German. Pulmonary tubercu-Clinics review of physio-Anatomy, Introduclosis, demonstra-Dermatology and logy. tion to medicine. tions and technique venereal disease, physical education, in pathological diseases of the eye, neurology and philosophy. anatomy. Hygiene psychiatry, Radiology and physio- legal medicine, therapy, oto-rhino-laryngology, hospi-tal and clinic exhospital and clinic experience. perience. Four medical years taught by the Faculty of Medicine and teaching hospitals coordination is attempted. Courses are: Anatomy, embryology, neuro-anatomy, histology, biochemistry, physiology, pathology, becteriology, pathological chemistry, clinical microscopy, medicine, surgery, obstetrics, pediatrics, psychiatry, hydiene and preventive medicine, gynecology, ophthalmology, otolaryngology, pharmacology, medical jurisprudence, therapeutics, physical therapy, anesthesia. Canada 2 pre-medical years taught either by Faculty of Medicine or Faculty of Arts and Science. Psychology, anthropology, botony, foreign language, Chemistry, english physics, history or One course chosen from philosophy, biology mathematics. these. physical therapy, anesthesia. 7 years. Coordination is done by a committee of the faculty General biology, Anatomy, radiology, Physio-pathology, physics, physical medicine, human and logy and embryotomy.

1 bogy and embryotomy and pathology, better the faculty proposition. Sixth and Seventh Chile Year Enter hospital - Courses in medicine Medicine and sur-and surgery. Hygien gery, psychiatry, classes and work in and preventive medi urology, gynecology, cine, neurology, tuberculosis, legal medicine and surear, nose, throat, teriology, parasitogery, pharmacology ophthalmology, diet logy. Begin clinical and pathology. medicine. therapy, pediatrics. Obstetrics) 2 years pbservation in clinical medicine. Pediatrics) Dermatology, or tho-pedics, 1 semester.

		Ge	neral Outline of	Curriculum (Conti	nued)		- , , , ,
				Fourth Year	Fifth Year	Sixth Year	Seventh Year .
	First Year	Second Year	Third Year				* *
China	Varies with diffe parasitology, bac Medicine, surgery	gynecology, obs	tetrics and publi	0 110 312 111	o years.	Clinical medi-	Clinical medicine,
Cuba	7 years. Normal histology, embryology, des- criptive anatomy, chemical biology physical biology	parasitology and tropical disease	anatomy, physio- logy, anatomy and pathology, general pathol- ogy.	microscopic and clinical chemis-	logy, nervous and mental disease, eye, ear, nose and throat, operating room technique, theory and practice, surgical pathology, medical pathology	cine, clinical surgery, derma-tology and venerealogy, therapeutics - theory and clinic, urology, hygiene and sanitation.	clinical surgery, orthopedics, gyne- cology, experi- mental pathology, legal medicine, toxicology, path- ology of children and clinical studies.
				1	1		•
Czecho- slovakia.	First part of c Physiology, emb physics and bio	ourse, first five ryology, histology logy, political ed	half years devot , chemistry, phy lication, physica	ed to study of:- siological chemist l training.	sical training experimental pacteriology.	pharmacology, pharmacology, pathology, hygiene and	
71 V 1					surgery, gyne pediatrics, n chiatry, fore	ses of:- Medicine, blogy, obstetrics eurology, psy- nsic medicine, rhinolaryn- her specialties.	
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na dikumanin 1990-leh kuta misingirina nijiya yapa sebilah ya tekana na filologiya na tekana kuta kuta misingirina na tekana diku tekana kuta kuta sebilah kuta kuta kuta sebilah k				Curriculum (Conti	pued)		11,
	First Year	Second Year	Third Year	Fourth Year	Fifth Year	Sixth Year	Seventh Year
enmark	Inorganic chemistry, organic chemistry, physic and philosophy including normal psychology.	his emb phy	enatomy tology ryology siology chemistry	"Volunteer" hospital service, bacteriology, genetics and hereditary disease, clinical medicine and pediatrics.	psychiatry, cli- nical course in skin and venerea disease, clini-	pharmacology, I hygiene.	Medicine, surgery, obstetrics, gyne-cology, forensic medicine, hospital experience.
lire	Pre-registration year - Botony, zoology, physics, chemistry	Proper	l Course anatomy logy, histology	Pathology, hygiene materia medica, medical jurisprudence, clinical experience.	specia work a cal su cine,	d to general and list hospital nd various clini- bjects in medi- surgery, obstet- nd gynecology.	
rance	embri logy, medid gener	nlosy, physic- medical physics al chemistry, al medicine,	logy, obstetrics experimental medicine Patholog patholog	Pharmacology cal surgery, cal medicine, experience.	medicine and ethics, thera-	Hospital experience in medicinc, surgery, obstetries, laboratory, sciences.	

15 General Outline of Curriculum (Continued) Sixth Year Fifth Year Fourth Year Third Year Second Year Third to fifth or sixth years Clinical subjects, including teaching in the wards. One of the defects in the present scheme is the adoption of the "compartmental" system of teaching, in which the syllabus and teaching of each subject are arranged with little or no reference to the arrangements for other subjects. This results in a certain amount of overlapping and of divergence in methods of teaching. The British Medical Association has published a Report of a Special Committee on the Medical Curriculum "The Training of a Doctor" in which the central theme is a plea for an integrated course of study and for much closer cooperation among the different teachers. First Year Pre-clinical sub-; Pre-medical sub-Great Britain jects, Mainly anajects. Physics, tomy and physiochemistry, biology. different teachers. Applied surgery Clinical medicine, Medical physics, Gross anatomy, chemistry, anatomy, histology and biorelation of medi- logy, physiology, Clinical medicine, urology, dermatology and venerealogy, difapplied surgery, pathological anatomy applied radiology, Hungary obstetrics, gynecology, pediatrics, mental and nervous ferential diagnosis, and histo-pathology, cal vocation to biochemistry, first stomatology, tuber-culosis, infectious disease, forensic pharmacology, general pathology, bacterio-logy and immunology, aid and care of the disease, ophthalmo-logy, ear, nose and throat diseases. society. sick. medicine, public health, occupational disease. medical psychology. Pathology Pharmacology Anatomy and Physiology. Normal psychology and chemistry as basic sciences cover three years. Sixth and Seventh Iceland Year Clinical medicine and surgery, ob-stetrics, hygiene, forensic medicine. All well coordinated.

General Satline of Sarriculum (Sentinuea) Fourth Year First Year Second Year Third Year Fifth Year Pathology and bacteriology including:General and special pathology, clinical and
chemical pathology, general bacteriology and
parasitology, clinical bacteriology and parasitology
immunology and immunization, pharmacology and materia ndia Human anatomy and physiology ncluding:Dissection of entire body,
histology, embryology, principles
of physiology, biochemistry and
biophysics, genetics, normal psychology, general pathology and
bacteriology, methods of clinical
examination, introduction to
pharmacology. niversity for egree program medica, forehsic medicine, hygiene and public health medicine, including principles, and practice with adults and children. Special courses in diseases of infancy and childhood, acute infectious disease, therevulosis, mental disease and psychopathology, diseases of skin - leprosy, radiology and electrotherapeutics, surgery, including principles and and practice with adults and children in:

Minor surgery, anesthosia, operative surgery, ophthalmology, diseases of ear, hose and throat, radiology and surgery, venereal disease, orthopedics dental disease, surgerly disease, or informatical disease, surgery, reduced the sease of the sea dental disease, surgical diseases of infancy and childhood, obstetrics - diseases of women and infant hygiene including observations and supervised experience. Chemistry, physics, biology or zoology Human physiology Pathological ana-Clinical medicine, Pathological anamedical pathology tomy, pharmacology, surgical pathology, Clinical surgery, tomy, general clini obato**tri**es and embryology bicchemistry medical pathology, bacteriology gynecology, pediat-rics, legal medieral clinical surpsychology, parasitology history of medicine chemical pathology oto-rhino-laryngogery, mental and nervous disease, dermatology, dis-ease of eye, dis-ease of ear, hylogy, radiology, urology, surgical cine, criminal anthropology, semi-tropical diseases, orthopedics, hydroanatomy. therapy. giene. uxembourg NO MEDICAL SCHOOL IN COUNTRY, STUDENTS GO TO SCHOOLS IN BELGIUM, FRANCE OR SWITZERLAND.

		G	eneral Outline of	Curriculum (Cont	inued)		17
	First Year	Second Year	Third Year	Fourth Year	Fifth Year	Sixth Year	Seventh Year
Nether- lands	Physics, chemistry, botony, zoology, parasitology.	Embryology, hist biochemistry, ge anatomy.	ology, physiology neral pathology,	Public health, microbiology, pharmacology, pathology, pathological anatomy internal medicine, special pathology.	Obstetrics, gynecology, surgery, ophthal-mology, neurology, psychiatry, pediatrics, pharmacy.	neurology, psy- chiatry, pedia-	Surgery, oto-rhino- laryngology, obstet- rics, gynecology, ophthalmology, der- matology, venereal disease.
Norway	Psychology, philosophy, physics, chemis- try, Latin.		Medical pathology, bacteriology pharmacology, toxiology.	Surgical pathology, skin and venereal disease radiology, practical experience diseases of eye.	logy, practical experience under super-	Obstetrics, gynecology, pediatrics, psy- chiatry, hygiene otolaryngology, forensic medi- cine.	The following are offered but not required: Tumors, orthopedics, pulmonary tuberculosis, surgical tuberculosis, practical experience.
Spain	tion, political science, religion experimental physics, experimental mental chemistry,	tion, political science, religion bacteriology and parasitology, special physio- ive anatomy, logy , his- l ology, general	gion, general pathology, pharmacology,		clinical medicine clinical surgery Pediatrics and child care, gynecology, oto-rhino-laryngolog ophthalmology	health, psychia- try, legal medi- cine, dermato- logy, venerea-	Pediatrics, obstet- rics, history of medicine, clinical medicine, clinical surgery, ethics.
Sweden	Anatomy and osteology, general chemistry, histology.	Medical chemis- try, physiology	General patho- logy, bacterio- logy, pharmaco- logy.	pediatrics inclu therapy of disea logy and therapy Obstetrics and g	ding physiology of ses of childhood. ophthalmology i	Surgery, includ ncluding diseases ogical anatomy, fo	and pathology and ng surgical patho-

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		Gene r al	. Outline of Jurricu	lum (Continued)	•	18	
	First Year	Second Year	Third Year	Fourth Year	Fifth Year	Sixth Year	
ritzer- land	Physics, chemistry inorganic and organic; botony, zoology, comparative anatomy.	Embry	logy hygi plogy aid, plogy medi ical chemistry der lary	ological anatomy, gerene, legal medicine, physiotherapy, orthocine, clinical surger matology and venereal ngology, psychiatry, rvision in all course	pharmacology and the pedics, diagnostic i y, obstetrics and g disease, ophthalmo bacteriology. Acti	radiology, clinical yrecology, pediatrics logy, oto-rhino-	•
nited States	histology, neuro-	Hatry diagnosis.	thesia, gynecology radiology, pediatrics. psychiatry,	general surgery, pediatrics, psychi- atry, obstetrics, medical specialties dermatology, neuro- ,logy, surgical specialties, ortho- pedic surgery, urology, ophthal- mology, radiology, gynccology, hospi-			
				gen esti			

			Tanan ing i		Manada hada a		19 .	
<i>b</i> •		Approved For Rel Is special training in chemistry,	Are these subjects taught	Does cal p regar	the medi- rofession d the	Are teach- ers of	Does medic fessi	the cal pro- lon re-
•		physics and biology be- fore enter- ing medical school ex-	with spe- cial ref- erence to	teach physi istry logy	ing of cs, chem- and bio- as ade- prepara-	anatomy and phy- siology medical- ly qua-	gard teacl anato phys as s	the ning of omy and iology atis-
		pected?	: - -	tion medic cours	for the	lified?	fact Cr	ory? iticisms_
_	Australia	Varies	Yes - but varies	Yes		Nearly all	h c t t	. Might ave more orrela- ion be- ween pre nd clini- al teach-
	A CONTROL OF THE CONT						2 s i 1	ng. Greater tress on hter-re- ation of hysical hological
	Austria	No	Yes a cer tain amount	-Yes	; ;	Yes	1 1	aspects.
	Belgium	Yes, the first year is a year of prepare tion.	,	1	A few be- lieve it is excessive.	s with		
	Bulgaria	No :	Yes			Yes, except prefessor of philosophy.	'd- -	
	Canada	Yes - in pre-medica school.	Yes, if taken i pre-medi cal scho	n vi- - ded	1.Too time consuming, not enough applicatio or;	cept psycho- n logy.		Except for psychology
					2. Too lit tle time and regard for importance in research i vestigation	n.		A company of the first many functions of the company of the compan
	Chile	No	No, basic science with ap- plicatio			Yes		Improve- ments could be
	China	Yes	No, as basic science	Yes		Yes	Yes	
	Cuba	Yes	No	Yes	:	Yes	Yes	,
	Czecho- slovaki	a No	Yes	Yes		Yes	Yes	
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	The second of th	V Pre-Cl:	inic	al Training (Continue	d)	20
	(1)	(2)	4:0	(3)	0140991090 (4)	2-5-	(5)
∋enmark	No, chemis- try and physics taught at medical school.	Yes		Too extensive especially physics.	Yes, ex- cept psycho- logy.	No	Psychology should be taught with spe- cial ref- erence to medicine.
			-				Anatomy should give more dissection experience and needs more teachers. Pre-clinical training ought to be reduced in favor of
	Company of the control of the contro						clinical training.
lire .	No	Yes, a certain amount.	Yes		Yes	Yе	B
France	Yes	Ì			Yes		
reat Britain	Some students take the examinations in physics and chemistry before they enter; other study these subjects in medical school.	Taught as separate subjects and not s as an integrated course of general basic science.		Some feel, 1.Not ade- quate basis of scienti- fic method. 2.Not accor- ded suffici- ently high status. 3.Insuffici- ent co-ordin- ation.			1.Too much detail of little edu- tational value. 2.Too much post mor- tem, not enough liv- ing organ- ism. 3.Too nuch emphasis on the abnormal. 1.Too lit- tle co- ordination between anatony and phy- siology and be- tween these sub- jects and clinical teaching.
reece	No	No, as general science	Yes		Yes	No.	Except for anatomy which is satisfactory there is a great lack of laboratory facilities
lungary /	No pproved For Rele	Yes ease 2001/11/2	1 : C	Time devoted to theoreti- cal trairing may not be extended or AXRDP80-0026A0 more.			Endeavor- ing to im- prove and compliment teaching equipment.

٠.	pproved For Rele	V: Pre-C]	inic	al Training	(Continue	ed)
	(1)	(2)		. (3)	(4)	(5)
Iceland	No	No, as y basic science.	es		Yes ex- cept psycho- logy and chemis- try.	Anatomy too limi- ted due to difficulty in obtain- ing cada- vers
India	No	No, as basic science	ded	Some think it would be better to have it applied to medicine.	cept bio-chem istry.	No l.Too much not detail 2.Classes un- are too large. for 3.Inade- mal quate fac
						ly ilities. sat is- fac to- ry.
/ Italy	Ио	No, as ba s ic science.		Satisfactory theory, but practice sec tions are to large and facilities a limited.	- D	Satisfac- tory but practice sections are too large and facilities are limite
Luxem- bourg	Yes, a year of study in a higher course in Luxembourg	Yes		A certain member would prefer a general science		al school.
Nether- lands	No	Basic sc- ience with medi- cal appli- cation.		Training in physics, chemistry, biology show be more adapto medicine.	oted	Yes :
New Zealand	Yes	No	Yes	:	Yes	Yes
Norway	No	Yes in physics and chemistry.	Yes	**	Yes	Normal antomy is too detailed.
Spain	No	Yes	Yes		Yes	Yes
Sweden	Ye s	No, as general science.	No	Not enough practical a plication. Too elementary, gener physiology completely neglected.		Notl.Out- en-dated lab ti-oratories re-2.Excess- ly ive lec- tures. 3.Too muc detail. 4.Inade- quate coo lation. 5.Lacks clinical orienta- tion. 6.Inade- quate cur

Switzer- land Yes Some believe Yes some, and doctors to medical school in or der to short en the years in medical school. Yes, one No, as Yes year biology basic one year science tors to many. A few doctors woted		Approved For Re	(2)		CIA-RDP80-00926	(4)		(5) .
States year biology basic one year science physics, and two years to year losophy to many. A few doctime of phi- losophy to many. A few doctime of time of voted anatom	Switzer- land				Some believe these should be taught before entrance to medical school in order to shorten the years in medical	Yes some, and doctors of natural		en i
		year biolog one year physics, and two years	y basic	Yes		many. A few doc- tors of phi-		Many feet too much time devoted to anatomy.
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	Company Restumes of C	· · · · · · · · · · · · · · · · · · ·	20.
		ourses in Anatomy, Physiology and Normal	Psychology 23
	Anatomy	Physiology	Normal Psychology
Australia	A course of lectures and demonstrations in topographical anatomy, neurology, embryology and histology together with dissection of the whole body during second and third years.	Lectures and demonstrations in Physiology and bio-chemistry are given during second and third years. The course in physiology includes the principles of general physiology and the physiology of all the systems of the mammal with special account of the functions of certain systems. Laboratory work is carried out weekly. The course in bio-	A course of lectures given in the third or fourth year. The course is designed to give an introduction to the principles of general psychology and psycho-pathology with special reference to the psychology of different epochs in the life of the individual and the application of psychology to medical problems.
		chemistry includes lectures and labora- tory work during second and third years with special reference to the more ad- vanced aspects of the bio-chemistry of animals, particularly man.	*
Austria	Anatomy and physiology is taught simulta work (dissections and experiments).	neously by lectures and practical	Normal psychology is not taught at all.
Belgium	Anatomy, physiology and normal psycholog	y are taught under a plan similar to tha	of the universities of France and Germany
Bulgaria	First year - 5 hours weekly - lecutre 2 hours weekly - practice Second year - 5 hours weekly - lecture 8 hours weekly - practice Third year - 2 hours weekly - lecture 1 hour weekly - practice	Second year - 7 hours weekly - lecture 4 hours weekly - practice Third year - 2 hours weekly - lecture 2 hours weekly - practice Sixth year - 1 hour weekly - lecture	the course in neurology and psychiatry.

Normal Pavehology

General Features of Courses in Anatomy, Physiology and Normal Psychology

	and the control of th		Normal Pauchology
The second secon	Anatomy	Physiology	Second pre-medical year - introductory
	dissect upper and lower limbs, abdomen dissect upper and lower limbs, abdomen and thorax and begin dissection of head and neck; finish head and neck in second year. Demonstrations given on surgical year, anatomy. Embryology. 30	demonstration on physiology of nerve, muscle, nervous system, special senses and blood. 60 hours general laboratory course. Second year - 60 hour lecture	survey of psychology including; history, efficiency in study; origin and control of human activity; affective behavior; individual difference; knowing our discreders. Second medical year - application of psychological principles for the
A COLON W	lectures concurrent with gross anatomy, stress laid on human embryology through breif comparison of amphibian, avian and mammalian development. Histology - 36 lectures and lecture demonstrations and 108 hours of practical work. Neuro anatomy - 36 hours lecture; 36 hours laboratory.	on physition, secretion, kidney, retion, digestion, secretion, kidney, reproduction, ductless glands and metabolism. A general laboratory course of 90 hours.	prevention of mental disorders.
Chile	During first year - descriptive anatomy three half days weekly in theory and laboratory application in dissection room. First half of second year - topigraphical anatomy with radiology - theory and laboratory experience is provided.		Is not offered as a special course, but in psychiatry some lectures are devoted to the principles of normal psychology.
Cuba	Descriptive, 1-2 years - 12 hours weekly. Topigraphical third year, six hours weekly.	General - second year - six hours weekly. Third year - six hours.	Not given.
Czechoslovakia	a laterations on a very	Taught during 3-4 semesters on a very detailed basis.	Plan to teach normal psychology and general psychopathology together.
Denmark	Includes human anatomy, histology and embryology. It is taught in modern,	Taught in manner similar to anatomy.	Taught by faculty of philosophy, not especially arranged for modical student
	cal faculty. It is done by lectures, demonstration and some dissection.		

	General Features of Co	urses in Anatomy, Physiology and Normal P	sychology (Continued) 25
	Anatomy	Physiology	Normal Psychology
Eire	Taught for two years.	Taught for two years.	A short course on psychology is given to each student.
France	Taught for two years.	Taught for two years	
Great Britain	Taught as pre-clinical course for one ye elements of genetics, the methods of cline general pathology, bacteriology and phar	nical examination and introduction to	Recently added and taught as a pre- clinical course.
Greece	Taught three hours each week in theory; three hours daily in laboratory practice.	Taught three hours a week with two hour laboratory experience; animals are used for experimentation.	Is not taught as a separate course, but as an introduction to neurology and psychiatry.
Hungary	Lectures five hours weekly for two semesters and laboratory ten hours weekly for two semesters, course material includes histology and biology.	Lectures seven and one-half hours weekly for two semesters. Laboratory ten hours weekly for two semesters. Study supple- mented by course in biochemistry.	One lecture a week given for two semesters.
Iceland	Teaching is theoretical and practical including exercises in histology.	Teaching is theoretical and practical including biochemistry, experiments all done on human body - do not use animals.	An obligatory course in all departments of the university. A theoretical course.
India (University for degree program)	course lasting two years. The students d	are given in anatomy and physiology in a issect the entire human body. Biophysics, uded. Physiological experiments are done	A new subject being introduced. Is taught simultaneously with anatomy and physiology.
Italy	Fundamental to all other teaching, the student dissects a cadavar. General course followed by special courses and extends through fifth year.	Fundamental to all other teaching, the student learns through laboratory experimentation.	Not a required course and not taught by the medical school faculty.
Luxembourg	NO MEDICAL SCHOOL IN COUNTRY. Students	go to schools in Belgium, France or Switz	erland.
Netherlands	Partly theoretical, partly practical.	Partly theoretical, partly practical.	Taught'by Professor of psychiatry.

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Conteral Festures of Sourses in Amatomy, Physiology and Cormal Psychology (Continued)

Normal Psychology Physiology Anatomy Includes lectures, group examination, demonstration and courses in physiology Includes lectures, group examination, demonstration and courses in dissec-Norway and physiological and medical chemistry tion and histology. Not studied during premedical training. A three month laboratory course giving the students an opportunity for independent work, supplemented by a series of Taught during the first year with correlation between gross anatomy and Sweden histology. Lectures and dissection are lectures. the methods of teaching. Based on general physiology. The course is especially applied to human physiology. Films, lectures and laboratory experience are combined. The course extends over three semesters. Taught in three semesters combining all branches of anatomy - micro and macroscopic. Dissection is practiced by the Switzerland students. Taught almost entirely by lecture. About one quarter of course devoted to Gross anatomy, instruction largely work in dissection room where student does complete dissection of a cadaver. United lecture, the remainder to laboratory. About one-half experiments performed on dogs and cats; a variable number on the States A few lectures are given. Histology, embryology and neuroanatomy are taught by lectures and laboratory exercises. Student studies about two hundred prestudent himself and a few involve use of cold blooded animals. pared slides under supervision.

7	pproved for reference will be and suffering the con-	or Clinical T	raining
	General Approach	Coordination in teaching and coopera- tion among teachers.	appoint-
Austra- lia	Small groups with tutors. Limited lecture and demonstration. Rotation of clinical bedside instruction in medicine, obstetrics, surgery and special departments. Special cases are assigned to student.	Coordination defective in the clinical teaching.	ment.acts
Austria	Simultaneous lecture and hospital work in the various clinical fields. Student also attends lectures in athology, pharmacology, hygiene and forensic medicine during this period.	Satisfactory	No
Belgium	Presentation of diseased conditions through actual visits to the patients in the hospital.	Satisfactory	Assistant dresser.
Bulgaria	Assigned under supervision to clinics beginning with the third year and coordinated with lectures to a degree.	ation, teach	•
Canada	Short didactic instruction preceeds actual contact with patients. Major teaching in small groups at bedside of patient beginning in the second year.	Bedside clinics fol- low lecture closely.	No, except schools that in-clude a one year intern-ship.
Chile	Individual and group teaching which is both theory and practical.	rendency to increase.	Not obligatory but he does attend at the hospital regularly.
China			Yes
Cuba	Clinical teaching is comprised by both theory and practice carried out in the university and special hospitals.	Yes	Officially no, there are app-ointments for internships obtained by competitive examinations.
Czecho- slovakia		Not official ly but exist in prac t ice.	
Denmark	P	Lacks co- ordination.	No
A	pproved For Release 2001/11/21 : CIA-RDP80-00926	.001400010002-5	

Sorves period of intermehip in recognized teaching hospited. Become cognized to aching hospited. Become assisfactory familiar with all principle activities of hospital. Great writer and fifth years of the curriculum are occupied continuously with clinical studies. They include modicine, surgery and nide wifery in which the student has systematic instruction in principles and practice of each, a ported of recidency in hospital, regular attendance in out-patient department and special instruction as service. Special braing special branches of modicine are also considered during this period: Pathology and bacterial locy, pharmacology and materia medica, hygione and public health, forensis modicine, legal and ethical obligations of modicine practitioners. Crooce Teaching is done at the bedside of the sick with practical experience for two to four months in the hospital. Fungary Clinics are prodominately teaching hospitals and include locture and aconstration occupant. Ward visit in aftermoon reinferce lectures. Students assigned to take case histories and follow the progress of the patient. Clinical teaching occurs during the third, fourth and littly owers. Feeland Theory followed by clinical training with definite assignments to actual experience in various clinical training at universal figure that the control of the patients. Lectures and clinical classes held in hospital. Findia Lest three years of training student mont and assistant works as clinical classes held in hospital. Findia Lest three years of training student mont and assistant works as clinical classes held in hospital. Findia Lest three years of training student mont and assistant works are continued to the control of the contr		ARRIAYAdiror स्था १ १३६० २००३ ४ ति । २०१ - द्वार्थन स्था १९०० १	or Garage	- Car
cognized teaching hospital. Becomes satisfactory familiar with all principle activities of hospital. The third, fourth and fifth years of the curriculum are occupied continiously with clinical studies. They need the curriculum are occupied continiously with clinical studies. They need the curriculum are occupied continiously with clinical studies. They need the curriculum are occupied continiously with clinical studies. They need the curriculum are occupied continiously with clinical studies. They make the student has any model and practice of each, a period of residency in hospital, regular attendance in out-patient departments and special instruction in certain epocial branches of contact and the special practicities and include leading and bacterial logy, pharmscopic to material medical, midewifery, clinical medicine, logal and enthical chiligations of medical practitioners. Procee Teaching is done at the bodside of the sick with practical experience for two to four months in the hospitals. Clinics are predominately teaching consists and in afternoon part to cancer in the patient. Clinical backing occurs during the third, fourth and fifth years. Thours followed by clinical training with definite assignments to natural experience in various clinical department and fifth years. The clinical training student attended to the student of the patient. Clinical backing occurs during the third, fourth and fifth years. The clinical clinical training with definite assignments to natural experience in various clinical department and as staff doctors at natural and clinical classes hold in hospital wards. The doctors acordinate theory with observations. The process of training student attended to the part of the patient clinics and heapital wards. The doctors acordinate theory with observations. The patient of the process of the patient clinics and heapital wards. The doctors acordinate theory with observations. The patient of the process of the patient of patients also from the patient clinics and heapital with		(1)	(2)	(3)
the curriculum are occupied continuation only with clinical studies. They include medicine, surgery and midwirely include medicine and practice of each, a period of residency in hospital, rogular attendance in out-patient department and special Instruction in certain special branches of oach service. The following special branches of medicine are also considered during this period: Pathology and meterial medicine, legal and ethical obligations of medical practitioners. Grocco Teaching is done at the bedside of the sick with practical experience for two to four menths in the hospitals and include locture and in afternoon reinferce loctures. Students assigned to take case histories and follow the progress of the patient. Clinical toaching occurs during the third, fourth and fifth years. Leeland Theory followed by clinical training with dofinite assignments to netwal experience at the patient. Clinical training with dofinite assignments to netwal experience in various clinical at university medical field in hospitals. Last three years of training student training with dofinite assignments to actual experience at the patient department and asstands out-patient department and works as clinical clock in charge of a definite number of patients. Lectures and clinical classes hold in hospital. Thoory is followed by observations in out-patient clinics and hespital wards. The dectors ecordinate theory with observations. The MEDICAL SCHOOL	Eire	cognized teaching hospital. Becomes familiar with all principle activi-	Reasonably satisfactory	to work with one member of hospital
Clinics are predominately teaching hospitals and include lecture and demonstration equipment. Ward visits tories and follow the progress of the patient. Clinical teaching occurs during the third, fourth and fifth years. Theory followed by clinical training with definite assignments to actual experience in various clinical field in hospitals. Thois as clinical clork in charge of a definite number of patients. Lectures and clinical clork in charge of a definite number of patients. Lectures and clinical classes held in hospital wards. Theory is followed by observations in out-patient clinics and hospital wards. The dectors coordinate theory with observations. The sick with practical experience and include lectures and clinical clork in charge of a definite number of patients. Lectures and clinical classes held in hospital wards. The only is followed by observations in out-patient clinics and hospital wards. The dectors coordinate theory with observations. The sick with practical experience and between lectures and clinical clork in charge of a definite number of patients. Lectures and clinical classes held in hospital wards. The ory is followed by observations in out-patient clinics and hospital wards. The dectors coordinate theory with observations. The side of the patients and hospital wards also frequently go to community hospitals to observe.		the curriculum are occupied continu- ously with clinical studies. They include medicine, surgery and mid- wifery in which the student has sys- tematic instruction in principles and practice of each, a period of residency in hospital, regular at- tendance in out-patient departments and special instruction in certain special branches of each service. The following special branches of medicine are also considered during this period: Pathology and bacterio- logy, pharmacology and materia medic hygiene and public health, forensic medicine. legal and ethical obliga-	ordination	clerkship, for example, medicine, six menths adults, one menth chil- dren. Sur- gery, six menths - dresser- ship. Mid- wiffery, clinical mid-wifery, also in some spe- cial sub-
hospitals and include locture and demonstration equipment. Ward visits tures and in afternoon reinforce lectures. Students assigned to take case histories and follow the progress of the patient. Clinical teaching occurs during the third, fourth and fifth years. Iceland Theory followed by clinical training with definite assignments to actual experience in various clinical field in hospitals. India Last three years of training student and as staff doctors at university medical department and as staff doctors as a national hospital. India Last three years of training student attends out-patient department and as staff doctors as clinical clork in charge of a definite number of patients. Lectures and clinical classes held in hospital wards. Italy Theory is followed by observations in out-patient clinics and hospital wards. The doctors coordinate theory with observations. Italy No MEDICAL SCHOOL	Gree ce	the sick with practical experience for two to four months in the hos-		
ing with definite assignments to actual experience in various clinical field in hospitals. India Last three years of training student attends out-patient department and works as clinical clork in charge of a definite number of patients. Lectures and clinical classes held in hospital wards. Italy Theory is followed by observations in out-patient clinics and hospital wards. The doctors coordinate theory with observations. Italy No MEDICAL SCHOOL	Hungary	hospitals and include lecture and demonstration equipment. Ward visits in afternoon reinforce lectures. Students assigned to take case histories and follow the progress of the patient. Clinical teaching occurs during the third, fourth and	between lec- tures and	T :
attends out-patient department and works as clinical clerk in charge of a definite number of patients. Lectures and clinical classes held in hospital wards. Theory is followed by observations in out-patient clinics and hospital wards. The doctors coordinate theory with observations. The observations of the university. Students also frequently go to community hospitals to observe. NO MEDICAL SCHOOL	Iceland	ing with definite assignments to actual experience in various clini-	instructors at univer- sity medi- cal depart- ment and as staff doc- tors at national	
in out-patient clinics and hospital wards. The doctors coordinate theory with observations. the university. Students also frequently go to community hospitals to observe. NO MEDICAL SCHOOL	India	attends out-patient department and works as clinical clerk in charge of a definite number of patients. Lectures and clinical classes held in		
***************************************	Etaly	in out-patient clinics and hospital wards. The doctors coordinate theory	the univer- sity. Stu- dents also frequently go to com- munity hos- pitals to	no.

Nether- lands	General Features and organization o	(2)	(3)
			روا
	Four phases of study for degree mainly theoretical with clinical demonstrations. This is followed by varying lengths of times in different clinics in all subjects under	By mutual agreement.	
	supervision of the professor or assistant.		
New Zealand	Introductory clinical course as recommended by General Medical Council of United Kingdom.	Yes, by the faculty.	Yes.
Vorway	Taught largely at clinics with a few lectures. Students rotated through clinical departments where they examine patients and make case notes.	Very little cooperation or coordination.	No.
Spain ,	Practice in hospitals under the supervision of the theory professor closely follows lecturers.	Yes	Clinical clerk, no special appointmen
Sweden	Three months introduction to clini- cal medicine with loctures. Each clinical field includes practical experience.	Some between specialists. None from pre-clinical to clinical.	
Switzer- land	Course in theory of clinical medicine preceeds actual case study in internal medicine and surgery.	Between professors and hospital doctors, good. Within universit limited.	
United States	Largely bedside teaching with student assigned to patients on whom they perform complete history, physical examination and laboratory studies. Discussion of casos is carried on with instructors. Lectures limited to the basic concepts of medicine.	effort to achieve max-	appoint- ment.

Austra- lia Austria Folgium Eulgaria	Is sufficion Prevention of illness No, except at University of Queens-land Yes Yes	Mental aspects of ill- ness	Social, economic, occupation al and en- vironmenta factors of illness No, ex- cept at University of Queens- land. No, but slightly improved. Yes Improving	duality of - patient 1 No	Full time or part time Univer- sity, full time. Hospital part time Theory full time Hospital part time Some full time others part time Full time for the most part	consultar Consultar
lia Austria Polgium	at Univer- sity of Queens- land Yes	No Yes Yos Improv-	cept at University of Queens- land. No, but slightly improved. Yes	Ye;	sity, full time. Hospital part time Theory full time Hospital part time Some full time others part time Full time for the	Speciali Speciali or medic consulta
Folgium Fulgaria	Yes Yes	Yes Yes Improv-	slightly improved. Yes	Ye; Ye;	full time Hospital part time Some full time others part time Full time for the	Speciali or medic consulta Consulta
Sulgaria	Yes	Yes Improv-	Yes	Ye;	full time others part time Full time for the	or medic consulta Consulta
		Improv-			for the	٠.
.Canada	Yes		Improving	Improv-		ĺ
		* man dame use man : • • • • • • • • • • • • • • • • • •		ing	Theory part time Hospital head of department full time.	Consulta and spe- cialist.
Chile	Yes	More could be placed.	Yos	Yes	Some full time, maj ority part time	-
China	Yes	Some	Some	Yes	Both	Consulta and spe- cialist.
Caba	Yes	Yes	Yes	Yes	Part time	Speciali and con- sultant:
Czecho- slovakia	Yes	Insuffi- cient	Yos	Yes	Full time	
Donmark	Insuffi- cient	Insuffi- cient	Insuffi- cient	cient	Part time	
Bire	Satisfac- tory	Satisfac- tory	Satisfac- tory	Satisfac tory	majority full time Hospital part time	
Oreat Britair	Insuffi- cient	Insuffi- cient	Insuffi- cient	In suffi- ciont	Part time except for a small proportion.	sultant and spe

	naroved For Rel	VI ()	aining (Continued) 31 0-00025A001400010002-5						
The second secon	Is suffic	ient empha	sis laid o	1:	Are teacl	iers:			
*	(1)	(2)	(3)	(4)	(5)	(6)			
Hungary	Yos	Yes	Yos	Yes	Part time	Consultan			
Iceland	Insuffi- cient but improving		Insuffi- cient but improving	Insuffi- cient but improving	th distance	Speicalis			
India	No, except hygiene	No	No	Yes, to an extent	teachers in non- govern- mental in stitution part time	S :			
Italy	Insuffi- cient	Insuffi- cient	Insuffi- cient	Insuffi- cient	Part time	Consultan and spo- cialist.			
Luxem- bourg	NO MEDICA	L SCHOOL		•		with the transfer of the			
Nether- lands	Until now no, much improved at present	Individu- al task of cach clinical professor	no, much improved at presen	each cli-	Full time	Gonsultan			
New Zeal and	Yes	Yes	Yos	Yos	Full time except professor of sur-gery.	Consultan			
Norway	Insuffi- cient but improving		Insuffi- cient but improving	Insuffi- cient but improving					
Spain	Yes	Yes		Yes	Part time	Specialis			
Sweden	Yes, usual		Depends upon in- structor	Depends upon in- structor	Professor and instractors par time. In- terns full time	- tants and spe- cialists			
Switzer- land	Depends upon pro- fessor	Insuffi- cient	Yes, gen- crally	Yos	Universit full time Hospital part time				
United States	Until rece trend prod on these p	deing more	icient. P adequate	resent emphasis	Most schools have full time nu-cleus. A few have majority full time	Special- ist.			

.	VI Clinical	Trai	ning 32
	Approved for Release 2001/11/21 CIA-R Do general practitioners take	7 780 -6	the system of clinical
	part in the teaching of under	tra	ining satisfactory in the
e es au	graduate students? What capa-	vie	w of the medical profes-
	city and extent?	sio	
			Criticisms
Austra-	Yes - Limited extent in ana-	Fair	-1. Too much given in spe-
lia	tomy and special departments.	1у	cialties, not enough prin-
114	They give no lecturers.	sat-	
		is-	shorter course for spe-
		fac-	cialties.
		tory	
			ditions to rarer diseases.
			 Need more psychoso- matic principles.
			4. Need higher level of
			teaching.
			5. Need more in experi-
			mental method during
•			clinical years.
Austria	No	Yes	
		1	
8=lgium	No	Yes	10 Merc (10 Merc)
	77	17700	
Bulgaria	No	Yes	•
Canada	Very few	· .	A general weakness in the
Ulliaua	very iew		graduates entering general
			practice in dermatology,
		mobile parameter	proctology, otolaryngology
		4	and ophthalmology. Also
	\$ common of the		need instruction in the
		1	mental, sociologic and
			economic aspects of ill-
			ness
Chile	Yes, partly as assistants	ì	
OiIIC	with degrees.	1	The second secon
	The control of the co	1	
China	Yes, part time	Yes	ŀ
Cuba	Only as assistants; in limited	No.	The number of hospitals
	number and by special selec-	1	for teaching students
	tive examination.	1	is insufficient.
O la a	No	No	Not enough practical ex-
Czecho-		110	perience. Young doctor
TOVAKIA		1	must have two years post
	1	1	graduate work in a hospi-
		1	tal to become a practi-
1.00			tioner or a health in-
		1	surance physician.
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		1	
Donmark	Trying an experiment in havin	a No	Need less lecturing and
•	general practitioners lecture	ļ	more teaching at bedside and dissecting table.
	on "The Duties and Working		Meed more teachers and
	Methods of the General Practitioner".	1	smaller student groups.
	tricioner.	Ì	Clinical training should
			have more regard for gen-
			eral medical practice.
į.		1	Clinical subject teaching
			too frequently interrupted
		1	by theory teaching. Cli-
			nical specialties taught
			too early.
	33		Under druggtigation
Eiro	Occasionally as an assistant	1	Under investigation.
2	teacher.		
France	No	Yes	
)	ì	

	(1)	I	(2)
			Criticisms
Great Britain	No	cal dent	lew of the B.M.A., clini- instruction of medical st s has many defects. 1) To le coordination of sylla-
		buse desi to g	s. The courses ought to be gned as an integrated who we the student a synopti
		and 1 Too 1 3) No	of the basic principles practice of medicine. 2) much detail is included. ot enough emphasis is lai prsonality of the patient
		and dividing	on his reaction to his in dual environment. 4) Teac tends to stress the rarer ases at the expense of th
		prac.	oner conditions which the titioner will frequently in his practice.
Greece	Yes		It depends upon the teacher.
Hungary	Yes, under special condition	Yes	Provided number of students is not excessively high.
Iceland	No		Insufficient practical eperience for students. Cases for observation no varied enough.
India	No, although tutors and demonstrators in medical colleges may do general practice.	in some ins- titu	Insufficient number of hospital patients for st dent observation. Shortage of well qualified experienced professors as lecturers.
Italy	Yos		Theory satisfactory. Pra tice not enough cases ar too many students.
Luxem- bourg	NO MEDICAL SCHOOL		
Nether- lands	No	ple-	Tendency to allow studer during theoretical training to work practically with patients.
New Zealand	Yes, as members of hospital visiting staff.	Yes	
Norway	No .		Young physician lacks practical training.
Spain	Yes, in supervision of practical experience.	Yes	Some schools do not poss necessary equipment for teaching.
Sweden	No		l. Excessive classroom i struction. 2. Teacher shortage, inadequate gui ance in handling patient 3. Insufficient correlation especially in preclinical subject. 4. Limited contact with

	(1)	(2) Criticisms
itzer- land	No, except for special lectures.	Some feel it might be letter to have students work more with general ractitioners.
nited States	To a very limited extent. Yes A number of schools are planning courses in problems and opportunities of general practice to be taught by general practitioners.	
	To the control of the	
		Approximation of the second se
		Personal Property and the Personal Property and Personal Prope
		t

VII Examinations

35 Is the system of medical examinations satisfactory in By whom are examinations conducted? General scheme of exam- Are there sep-Are clinical inations, form, time, place in curriculum and arate examin-Internal External Internal Are class subject examthe opinion of the medical ations in inations coexaminers examiners and exter records taken into profession? nal exameach clinical ordinated? subject. Criticisms iners account? subject? Written, oral and practical held annually. Yes Yes Yes, Ade-Yes, Mel-Yes Australia laid, bourne Queensland Sydney Yes Yes Austria Oral and practical. Yes No Five examinations preclinical after the second year. Twelve clinical examinations after five years of study (absolutorium covers all subjects.). Given each year in July and October. Yes Yes Yes Yes Belgium Written, oral and practical held at end of each term, in June, October and February. Yes by pro-fessors Yes Yes Bulgaria Yes Yes for final ex-Written, and oral held at end of each term Occasion-Yes Canada Yes, except Yes during Rarely pathology, course of ally. over subjects taught anatomy, study. amination during term. radiology which are co ordinated in clinical courses.

		Approx	VII Exa	minations (Continued)			3	6	Ann C Amaginin again, a ann aigseinn ing an an aigseinn agus an aigseinn agus an
- the second sec	(1)	(2)	(3)	Ey when .	re examin (5)	ations cond (6)	ucted? (7)		(0)	
Chile	Yearly course have an examination at end.	Yes, for specialties.		Yes, Profes- sor in charge of course and two other specialists			Yes	Yes		
China	At the end of each term and on completion of course.	Yes		Yes		:	Yes	Yes		
Cuba	Two types - midterm during course and final examinations including all materials, theory and practical. State examinations are	Yes for specialties.	Not coordinated.	Yes, Pro- fessor of course and sometimes Professors of other courses.	No	No	Yes	Yes		٠.
slovakia	written and oral at one of first year, fifth semester over theory. After fifth year clinated examinations are given, also student may be examined at any time during course, and at the end of each course	Yes	Yes	Yes	No, but govern- ment may send re- presenta- tive to all ex- amination and he may take	ns	Yes	Yes		· · · · · · · · · · · · · · · · · · ·
ties to a constitution of the second			13.5		part.					1 1
				- 1 - 1	1	1	1	1 1		

) ;	VII Exami	nations (Co	ntinued)			. 37	
	(1)	(2)	(3)	By whom (4)	re examina (5)	tions condu (6)	cted? (7)	-	(8)
Denmark	Written, oral and practical end of first year Preparatory examination end of third year, lecture courses end of sixth year, written and oral examinations over each clinical subject.	To the second se	Not much			Yes	No	Yes	
Eire	End of each year over clinical and theory subjects.	Yes	Yes			Yes	To a minor extent.	Yes	
France	Written, oral and practical given at the end of each year.	Yes	Yes	Yes			Yes	Yes	
Great Britain	Written, practical and oral and taken as follows: End of first year physics, chemistry, bio logy. End of second year - anatomy and physiology. During third and fourth years - examinations in special clinical subjects. End of fifth or sixth yearfinal examinations in medicine, surgery and midwifery.		Very little.		Yes	man in june	No		1. Absence of coordination. Examinations in clinical medicine should be designed as an integrated whole. 2. Examinations held too frequently in clinical years. 3. Rely too much on memory work and do not adequately test understanding of subject and ability to deal with practical problems.
Greece	Written and oral given yearly.	No	No	Yes			Yes	Yes	•

38 VII Examinations (Continued) examinations conducted? (5) (6) (7) (4) (3) (2) (1)Yes Yes Oral and practical given at end of each year. 1-4 year largely theory, during sixth year stu-dent may begin theory lungary and practical examination in clinical subjects in any sequence desired. Yes No Yes Yes Yes Written, oral and prac-Iceland tical given at end of first, third, fifth and seventh year. Sometimes Yes Yes Yes, clinical subject grades are cumula-Written, oral and practical examinations given India twice yearly. It has been necessary tive. Yes No to reduce the length Yes No Written and oral given Italy of examinations. twice yearly. The doctors would pre-fer to take the exam-No Examinations are Yes Yes Written, oral and prac-Luxomb taken before a spe-cial medical commis-sion in Luxembourg. ination at the foreign tical. school then the registration examination at Luxembourg. Yes Practical No Four parts to degree examination on completion of first, third and fifth year. Two parts to practical examination at end Degree ex-Netherexaminaaminations lands tion (State Committee) of six and seven and one

half years.

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					VI	I Exam	inati	ons (C	ontinue	ed)				39	
				-			Day 18	hom ar	e exam	inati	ons cond	lucted?			
	(1)	,	(2)		(3	3)	- (T		(5)	Ī	(6)	(7)		(8)
											Yes	Yes		Yes	
ew Zealand	Written, oral and practical given at end of each year over subjects	Yes		-			4		1		100				. ,
	covered by students.	y di, s												Yes	, ,
orway	Written and oral given twice yearly over theory and clinical subjects.	Yes			No					1	Yes			103	
pain	Examined four times vearly with a final ex-	Yes			No	; ;	Yes							Yes	
weden	amination in June. Written and oral. May be taken following each course or may be postponed until later.	Yes			der international des internationals		Yes	,		:		Yes		Not enti- rely	1. May take examination at same time as atten- ding another class. 2. Division of instruc- tion into small portions makes it difficult for
Switzerland	Oral and practical after two, three, eight and thirteen semester cover-	1			Yes	1					Yes	No	·	Yes	student to find coordinated whole. Would be desirable to also evaluate the personality of each candidate.
United States	ing courses completed. Great variation. May be written, oral, practical or all three. Final examination in each course lasts one to three hours.	Yes	3		No ·		Yes					Yes		Yes	
e Marie e Conteste	During preclinical perion a number of examination may be given during the course as well as at its conclusion.	5 E										To a second seco			

VIII Invernship or Fractice under Supervision

110 Is internship taken Is student Do students Duration of Nature of If taken Legal posi-tion of stu-Are arrangements generalafter qua-lifying externship? Is amination; the remunera-before liction adequate? have a period practice of practice period? practice per ly satisfactory? before after after iod? dent during quali- licen fying sing? final under superliceninternship? qualivision as an examin integral part fying ensing is of their eduexamin ation; another ex cation? ation? before amination licengiven? sing? Suggestions Australia No No No Yes Internship should be obligatory for all students. Austria No Yes Very poor, no Generally right to no. No No Νo No Improvements cannot be work without suggested permanent due to lack supervision of funds. Belgium One year -Yes Chief of staff re-Yes No A period of the seventh experience ýcar. sponsible in general medicine for work of student. similar to that for specialists is proposed Bulgaria Yes 345 days Rotation of Yes Receives one-half stipend of doctors No No A student Yes services and experience. assistant and free board.

	· · · · · · · · · · · · · · · · · · ·	(185) 4 0)	viii	Interns	ship or	Practic	e under Sup	ervision (Conti	nued)	lıı	
				Is inte	rhship	taken					
	(1)	(2)	(3)	(4)	(5)	(6)	· (7)	(8)	(9).	(10) .
Canada	Yes, in six schools.			Yes for six schools		Yes for three schools		ing hospitals a yearly hon- orarium of \$10 to \$300;non-	tal or depu- ties of the	yes	Preferable to have all interns fully lic- ensed. Canada has nore approv
e set				•				\$75 monthly.	staff.		internships than annual output of medical schools.
Chile	Yes	Seventh	Permanent practice in var- ious fields.	Yes	No	No		No	He cannot act profes- sionally.	Yes	
China	Yes Aen edegan		Practice under supervision	No	Yes	No		Yes, but not adequately.	Department head or hospital superintendent responsible.	l	
Cuba	No, obligator	Proctical		ì				,			
Guda	attendance only to classes, theory and practice.	classes be-		Yes	No			Special intern students, yes.	Only as med- ical assis- tant in hos- pital.		Desire ob- ligatory internship but imprac-
er mer er up å		fri de la company									tical with present hos pital faci-

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			V	III Int	ternshi:	or Frac	:cice under	· Supervision (Co	intinued)	4.2	1900 p.Pladescondiga, Osavelescondo - Carpendonescono se caracte
The second secon		A CONTRACTOR OF THE PARTY OF TH	ngagari pana, nga i isanani inpanggapanganan princi binnia Aleepa	Is int	ernshi	taken		in il den anno an ann d'an i an adriana, a d'arbitrata distribuir a "Africana an		and the second s	and the second of the second o
	(1)	(2)	.(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Czecho- slovakia	No, but post- graduate must spend two years in hos- pital before becoming inde- pendent prac- titioner.			No :	No	Yes	No			Yes.	
Denmark	Yes	Six months, volunteer service, six months, prac ticant ser- vice.	Rotation of experience under super- vision.	No	Yes	No	No	None for vol- unteer service or for practi- cant service. Very modest for internship after final examination.	ensed for subordinate appointments	,	Salaries for the ob- ligatory internship should be increased.
Eire	No, but large number do serve term as house physician or house surgeon.	l	ä					rt			
France	Yes	Five years	Hospital study and practical wor in school lab oratory.		No	No	No	Yes	Hospital is responsible	Yes	
Great Britain	No	One year per iod is under consideratio									

43 VIII Internship or Practice under Supervision (Continued) taken Is internship (10)(8) (9) (6)(7)(4) (5) (3) (2) (1) Yes, paid Yes Practice under Yes Yes Greece supervision on rotating services. Would like to No, sometimes A student gets board extend by two Eleventh and Training un-twelfth sem-der supervision ester of med-ical training Training un- Yes Hungary Yes semesters of . and room. medical training. Yes, adequate Hospital or Yes No Rotation of Yes One year superinten-Yes Iceland experience undent of hos-pital responder supervision sible. Should provide Under gradu-Νo Νо No No Yes in a few medical col-Rotated exper-Yes all students, a Six months ate student India residence in or near an instiience under supervision tution in order to devote full time to practice under supervision. Frequently not Student No The examenough super-vision. Yes Varies, usual ly six months Yes ination of the State Board and Student Yes No Rotated exone year for Luxembourg Yes room accord-

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ing to the

practice of the

foreign school.

perience under

supervision.

medical practice outside

the country.

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	in the second second							sion (Continued) [44	
	Management and a second control of the	+	VIII III00		ternship			manager of the second s			name of patients of option theorem is a presentative consequent to the patients and patients about the patients and the patients are a second of the patients and the patients are a second of the patients and the patients are a second of the patient
	: ::::::::::::::::::::::::::::::::::::	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)
	Yes, coassis-	Two and one- half years.	Examine and treat patient under super-vision.	110	No	NO.	The practical examination which give license to practice.	5	None	Yes	
New 'Zealand	¥es, 99%		House surgeon		Property of the control of the contr	Commence of the commence of th		Yes if he acts as a house surgeon in an emergency.	Student	Compul- sory	Required to have one post- graduate hos- pital year under provi- sional regis-
,											tration for full registration.
Norway	No, but expec	ed soon.	'								
Spain	Yes, integrat ship as such.	ed with theor	ry; no intern-	Yes			Oral examination over research program.	No	Student	Yes	It is proposed to put practi- cal assignment on remunerative basis.
Sweden	Yes	Varies, average three an one-half months.		Yes				No	Student	Yes	It is proposed to put practi- cal assignment on remunerative basis
	-	The Control of the Co	1	1	2						

		1	1	Is in	ternship	taken			1	l .	•
* * * * * * * * * * * * * * * * * * * *	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)
witzerländ	Yes	Six months	As an under- assistant.	Yes	No	No .		No, generally gets board and room.	Not profes- sionally re- sponsible.	Yes	
nited States	No, six schools re- quire one year of in- ternship be- fore grant- ing the de-			23 states and Dis- trict of Co- lumbia	9	25 states	•	75% paid small stipend of \$50 monthly or les	do not re-	Yes	
	gree.			Alaska Hawaii Porto Rico, Canal Zone.			•		within the hospital.		

46 IX Ethical Conduct . Approved For Release 2009 7912 to A PP80 00926A00 14000 10002-51 se give a regarding his future conduct? Australia Austria Yes Belgium No Bulgaria Yes, on receiving the doctor's degree the students make a vow similar to the Hippocratic Cath. Canada Yes, most medical schools administer the Hippocratic Oath; one on entry to medicine, five on graduation and in one province on the award of a license to practice. Chile Yes, a very simple statement of loyalty to the profession taken before the university rector. China Yes, the oath of Honor obligator; to all doctors. It is Cuba given by the National Medical College on enrollment of student. Yes, on graduation the student takes a very solemn declara-Czechotion historically connected with the Oath of Hippocrates. slovakia Yes, after the final medical examination the student pledges 9enmark himself to exercise his calling conscientiously. A modernized version of the Hippocratic Dath is used. Eire France Yes, a modified version of the Hippocratic Oath is taken by the student before officials. Also the solemn oath of the World Medical Association. reat Yes. Practice varies, some form of oath is taken but not the Britain original Hippocratic Oath. Yes, the Hippocratic Oath is taken by the candidate. Also rcece when joining the medical association. Yes, as part of the graduation exercises the student gives Hungary a solemn pledge which is a modernized version of the Hippocratic Oath. celand... Yes, the medical graduate signs a "Vow" which is a shortened modified version of the Hippocratic Oath. There is no ceremony. India No Italy No Luxembourg No Nether-Yes, before receiving the license to practice the student swears to an Oath before the State-Committee that examines him. It is a shortened, modified version of the Hippocratic lands Oath. Now No Zeal and Yes, a very short formal written promise is given. Norway Yes, on receiving the degree of doctor the student makes a Spain solemn moral promise. Sweden Switzerland

United States Yes, diplomas are granted without ceremony. On receiving hilicense from the government offic als the doctor takes or signs a promise. These vary widel in various Cantons.

Yes, in most medical achools to be about 1000 to find the studen Approved For Hippocratics. The particular version of the Oath varies from school to

• • • (Approved For Release 2	001/11/21 : CIA-RDP80-00926A0	01400010002-5	47
ì	v otuder	nt Organization		
	X Studen	i i timahing one th	nere between:	Is closer contact.de-
Is there a national or- ganization of medical students? Give its objec-	National medical associ- ation and student organ-	Metional medical of	Local medical societies and local student groups?	sirable? How?
tives.	ization?	porior student hono-	None	No
ustralia No	Notie	rary association mem- berships in B.M.A. of		
The second district the figure of the second		Australia. Use librar; attent meetings, get journal.		
ustria No resemples process	None	None	None	Yes, establish contact between local medical association and local, student group.
Belgium There is an organization at the university.		The official journal of the society is fur nished to medical students.	The official journal of the societies is furnished to medical students.	Yes, official and vol- untary universities be considered and that the precepts be presented in two languages (French and Netherlands).
Bulgaria Yes, a section of the general student organiza	No .	Financial aid given t	toNo	Yes, represent organized medicine to students and offering them aid from the doctors.
Canada Canadian Association of Medical Students and Interns, Room 107, Anatomy	C.A.M.S.I. an affiliat society of C.M.A. Two delegates on Council c	of C.M.A. Journal to C.A.M.S.I. at reduc	1	Satisfactory - close friendly and mutually beneficial.
Bldg., University of Toro to, Toronto, Ontario. Address changes annually with national executive from various schools. Exchange of ideas. Investigate common processing to the common processing to	from C.M.A. on C.A.M I. Council.	a. rate.		
blems. 3.Preparation for medical citizenship.	The same of the sa	001/11/21 : CIA-RDP80-00926A0	01400010002-5	The second statement was a second statement of the sec

X Student Organization (Continued)

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		What organized relati	onships are there betw	čen:	A STATE OF THE STA
	(1)	(2)	(3)	(4)	(5)
Chile	Only organizations in each university.		None	None	ì
China	No	None	None	None	No
Cuba	Association of students of medicine. Located at the University of Havana, School of Medicine.	Social character.	Social character.	None	Sufficient relations believed to exist at present.
Czecho- slovakia	In the process of re-or-ganization.	Under development.	Under development.	Under development.	Not necessary.
Denmark	The Medical Students' Council in Copenhagen. Chairman, Stud. Med. Jorgen Fogh, Hattesens Alle 18, Kabenhavn F. The Medical Students' Council in Aarhus Chairman, Stud. Med. Niels Tygstrup, Kollegium 2 Universititsparken Aarhus. 1. Represent body to university. 2. Professional, social and other interests.		None	None	Probably should be contemplated.
Eire	Medical Students' Association of Eire.	This association has be Association and works i association of Great Br	h very close associatio	ed by the Irish Medical on with the medical students	Desirable.
France	General Association of Medical Students.		Friendly relations and all possible aid.		It is being developed.
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		X Student (organization (Continued	1) 4	9
	 	What organized re	elationships are there	between:	,,
	(1)	(2)	(3)	(4)	(5)
reat Brîtain	British Medical Students! Association. 1. To provide opportunities for students to consult together. 2. To provide link between student and profession of interest to medical studen	special B.M.A. Committees.	in m & doold with mat-	Newly qualified practition- ers are entertained at re- ceptions and lectures.	No, satisfactory.
	B. To facilitate exchange of views between medical students and students of other faculties as well a with young people of other countries.	Guraj straturjaje Verkon i videnja i sporu			Almost none.
Greece	Two or three organization of students. They have a different objective.		Almost none.	Almost none.	Closer contact between
Hungary	Association of Hungarian University and highschool students. Improve cultur- al and social standing of members.	1	Also members of national association.	Also members of national association.	students in university desirable.
Iceland	Medical students at University of Iceland have organization of own. No other in country.	Conclude agreements on terms for medical stu- dents being engaged as assistants to district medical officers.	a 7	None	No SEE
India	None	None	None	Medical student attends me ical conferences organized by I.M.A. at nominal fee,	tion for social and
The second secon		The state of the s		work together in medical relief work.	scientific contacts, then tie can be established with I.M.A.

X Student Organization (Continued) 50 What organized relationships are there between: (1) (2) (3) (4) (5) Association of "Interfactive" but not specially for medical students, neither local or national. Italy None None Would like exchange of . students from different countries. Luxembourg No, no medical school. The student organiza-No relationship. Yes tion. Nether-No Νo No lands New Otogo University medical Nil Nil No students association to further their medical Zealand studies. Norway "Medisineforeningen" local society in Oslo, Peter Hjort. Ø.Sogsvei 4, Bestum pr. Oslo.Consider problems of teaching. Syndicate of Spanish Universities at Madrid, medicial activities.

cal student have delegates to it. Protect student welfare and improved cultural Spain Shared projects and social activities. Yes, professional problems. standards.

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	•	X Studen	t Organization (Continued relationships are the	ued)	21
	(5)				
-	(1)	(2)	(3)	(4)	. 0/
Sweden	organize medical students	Organization of Swedish			Good to continue pre
Switzer- land	Yes, the Swiss Students of Medicine, Geneva. Safe- guards the interests of medical students.	An official relation- ship. Students receive publications and address professional questions to association.	dents.		sent contacts even if limited.
United States	Association of Interns and Medical Students, 7 East 42nd Street, New York, New York, Stimulate interest in improving medical education.	None	A.M.A. before war had student section in Journal, will return to it soon, also distribute booklets to medical students on ethics, economics and pharmaceutical preparations.	No general relationship.	Highly desirable, active plans under way to foster contact.
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