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The Constituent College
SHRI B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE
Department of Anatomy

Knowledge:

At the end of the course student shall be able to:

1. Understand the normal disposition, functional and cross sectional anatomy of various structures of the body and its clinical relevance
2. Identify the microscopic structure of various organs and tissue and comprehend their functions in order to understand the alterations in various disease processes
3. Comprehend functional organizations of central nervous system and interpret various signs and Symptoms presented as neurological deficit so that he/she may confidently make a diagnosis.
4. Demonstrate basic concepts of development of organs and tissues, explain the effect of teratogens, environmental factors and genetic mutations on critical stages of development

Skills:

Identify and locate all the structures of the body and mark the topography of the Living anatomy.

1. Identify the organs and tissues under the microscope.
2. Understand the principles of karyotyping and identify the gross congenital anomalies.
3. Understand principles of newer imaging techniques and interpretation of CT scan, Sonogram, USG etc.
4. Understand clinical basis of some common clinical procedures i.e. intramuscular and intravenous Injection, lumbar puncture and kidney biopsy etc



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Department of Physiology

1. Learn normal functioning of all organs, systems and their interactions for well co-ordinated body function.
2. To assess relative contribution of each organ system to the maintenance of the milieu interior.
3. Elucidate the Physiological aspects of normal growth and development.
4. Describe the Physiological response and adaptations to environmental stress.
5. List Physiological Principles underlying pathogenesis and treatment of disease.
6. To apply Physiologic knowledge in Research activities To initiate to participate in Seminar

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Department of Biochemistry

At the end of the course, the learner shall be able to

1. Understand, describe and summarize the molecular and functional organization of cells, structure, functional relationship and interrelationships of various biomolecules in health and disease.
2. Summarize the basic and clinical aspects of enzymology with emphasis on diagnostic and therapeutic uses of enzymes.
3. Understand and describe digestion, assimilation of nutrients, associated disorders like obesity, starvation, malnutrition and malabsorption syndrome.
4. Understand, describe and integrate the various metabolic pathways and their regulation.
5. Describe mechanisms involved in water, electrolyte and acid base balance and its disorders.
6. Understand and summarize basic molecular mechanism of organization of genome. Genetic expression and regulation, recombinant DNA technology and genetic engineering and explain the biochemical basis of common inherited disorders in India.
7. Summarize the basic aspects of immunology including body defense mechanism.
8. Biochemical aspects of carcinogenesis and effects of xenobiotics.
9. Basic principles of medical biotechnology and their applications in medicine.
10. Continue to learn recent advances in Biochemistry and apply the same in medical practice.
11. Identify principles of routine and specialized biochemistry, laboratory investigations and techniques, analysis and interpretation of biochemical laboratory techniques.
12. Use basic devices for qualitative and quantitative biochemical investigations.
13. Understand different types of biomedical waste, their potential risks and their management.
14. Explain the biochemical basis of inherited disorders with their associated sequelae.
15. Understand the biochemical basis of environmental health hazards.
16. To inculcate good behavioral skills, soft skills and communication skills.

SKILLS:

At the end of the course, student shall be able to

1. Make use of conventional techniques and perform relevant biochemical investigations for clinical screening and diagnosis.
2. Analyze and interpret laboratory investigations.
3. Demonstrate skills for solving clinical problems and arrive at final diagnosis using laboratory data

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Department of Microbiology

A MBBS student at the end of the microbiology course will be able to:

Knowledge:

1. Describe the mechanisms of host parasite relationship.
2. Enumerate the normal flora and its importance in health and disease.
3. Describe the etiology and pathogenesis of common infectious diseases.
4. List the microbes that cause opportunistic infections in humans and describe their pathogenesis.
5. Explain the importance of National health programmes for the prevention of communicable diseases.
6. Understand the ecology (microbial) of specialized areas like hospital, water, food and prevent the possible spread of infections.

Skills:

1. Choose appropriate laboratory investigations required for a clinical diagnosis.
2. Sample the right specimen, at the right time, by the right method.
3. Analyze and interpret the results of laboratory tests.
4. Choose the suitable antimicrobial agent for treatment.
5. Apply the principles of immunology in the pathogenesis, diagnosis and prevention of infectious and non-infectious diseases.
6. Practice the techniques of asepsis, antisepsis and sterilization in day-to-day procedures and apply universal precautions in laboratory and clinical
7. Choose appropriate laboratory investigations required for a clinical diagnosis.
8. Sample the right specimen, at the right time, by the right method.
9. Analyze and interpret the results of laboratory tests.
10. Choose the suitable antimicrobial agent for treatment.
11. Apply the principles of immunology in the pathogenesis, diagnosis and prevention of infectious and non-infectious diseases


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Department of Pathology

Knowledge:

A MBBS student at the end of training in Pathology will be able to:

1. Understand the concepts of cell injury and changes produced thereby in different tissues and organs and the body's capacity for healing.
2. Understand the normal homeostatic mechanisms, the derangements of these mechanism and the effects on human systems.
3. Have a knowledge of common genetic, immunological and geriatric disorders and their resultant effects on the human body
4. Understand the concept of neoplasia with reference to the etiology, gross and microscopic features, diagnosis and prognosis in different tissues and organs of the body.
5. Understand the etiopathogenesis, the pathological effects and the clinico-pathological correlation of common infectious and non-infectious diseases.
6. Have an understanding of the common haematological disorders and the investigations necessary to diagnose them and determine their prognosis.
7. Correlate normal and altered morphology (gross and microscopic) of different organ systems in different diseases to the extent needed for understanding of disease processes and their clinical significance.
8. Understand different types of biomedical waste, their potential risks and their management

Skills:

At the end of the course, the student should be able to:

1. Describe the rationale and principles of technical procedures of the diagnostic laboratory tests and interpretation of the results.
2. Perform the simple bed-side tests on blood, urine and other biological fluid samples.
3. Plan for investigations aimed at diagnosis and management of the cases of common disorders in collaboration with clinical departments.
4. Understand biochemical/physiological disturbances that occur as a result of disease in collaboration with pre clinical departments.
5. Understanding the utility of frozen section, automated hematology cell counter, flow cytometry and molecular diagnostic techniques.

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Department of Forensic Medicine

Knowledge:(FMT)

1. At the end of the course, student should be able to:
 1. Identify the basic medico legal aspects of hospital and general practice.
 2. Define the medico legal responsibilities of a general physician while rendering community service either in a rural primary health centre or an urban health center.
 3. Be able to identify, examine and prepare report or certificate in medico legal cases/situations in accordance with the law of land.
 4. Able to perform medico legal postmortem and interpret findings and results of other relevant investigations to logically conclude the cause, manner and time since death.
 5. Be aware of medical ethics, etiquette, duties, rights, medical negligence and legal responsibilities of the physicians towards patient, profession, society, state and humanity at large
 6. Be aware of relevant legal / court procedures applicable to the medico legal / medical practice

SKILLS:

1. Make observations and logical inferences in order to initiate enquiries in criminal; matters and medico legal problems.
2. Diagnose and treat common emergencies in poisoning and manage chronic toxicity.
3. Make observations and interpret funding at postmortem examination.
4. Observe the principles of medical ethics in the practice of his profession
5. Be able to preserve and dispatch specimens in medico legal / postmortem cases and other concerned materials to the appropriate government agencies for necessary examination

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Department of Pharmacology

Knowledge:

At the end of the course, the student be able to:

1. Describe the pharmacokinetics and pharmacodynamics of essential and commonly used drugs.
2. List indications, contraindications, interactions and adverse reactions of commonly used drugs.
3. Inculcate the use of appropriate drug in a particular disease with considerations to the cost, efficacy and safety for
 - I. individual needs
 - II. mass therapy under national health programmes
4. List the drugs of dependence and their management
5. Classify environmental and occupational pollutants and state the management issues
6. Prescription of drugs in special medical situations such as pregnancy, lactation, infancy and old age.
7. Integrate the concept of rational drug therapy in clinical pharmacology.
8. State the principles underlying the concept of 'Essential Drugs'
9. Evaluate the ethics and modalities involved in the development and introduction of new drugs.

Skills:

At the end of the course, the student shall be able to:

1. Prescribe drugs for common ailments
2. Recognize adverse reactions and interactions of commonly used drugs
3. Observe experiments designed for study of effects of drugs, bioassay and interpretations of the experimental data.
4. Scan information on common pharmaceutical preparations and critically evaluate drug formations

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Department of Community Medicine

At the end of the course, the student should be able to:

1. Organize elementary epidemiological studies to assess the health problems in the area and prioritize the most important problems and help formulate a plan of action to prevent and control under National Health Programme guidelines.
2. Understand the health care delivery system at different levels in India and plan health care service delivery at primary level for vulnerable groups (mother, infants, under five children, adolescents and geriatrics) and during disasters/emergencies.
3. Inculcate values like compassion, empathy, honesty, sincerity and integrity to ensure high quality ethical professional practice.
4. Work as an effective leader of the health team at the primary health care set-up and maintain liaison with various agencies. (Government, non-government and voluntary organizations) involved in public health.
5. Plan and implement health education programmes and promote community participation.

Knowledge:

At the end of the course, the student shall be able to:

1. Describe different levels of health care delivery system in the country.
2. Describe different levels of prevention of diseases at community & individual level.
3. Describe the National Health Programmes like maternal and child health programmes, family planning programmes & programmes related to communicable & non communicable diseases.
4. List epidemiological methods and their application to treat, control & prevent communicable and non-communicable diseases of public health importance.
5. To understand the basic biostatistical methods and their application.
6. Describe the demographic indicators of the country.
7. Describe the role of individual, family, community & socio cultural milieu in health and diseases.
8. Describe the health information systems available in India.
9. Enunciate the principles and components of primary health care and the national health policies to achieve the goal of 'Health for All'.
10. Understand environmental and occupational hazards and their methods of prevention & control.
11. Describe the importance of water and sanitation in human health.
12. To understand the principles of health economics, health administration, health education in relation to community health

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Skills:

At the end of the course, the student should be able to:

1. Understand the steps of outbreak investigation & apply it to community and individual level by using epidemiological tools.
2. Collect, analyse, interpret and present community and hospital based research data.
3. Diagnose and manage common health problems and emergencies at the individual, family and community levels keeping in mind the existing health care resources and in the context of the prevailing socio-cultural beliefs.
4. Diagnose and manage common maternal and child health problems and advise a couple and the community on the family welfare planning methods available in the context of the national priorities.
5. Diagnose and manage common nutritional problems at the individual and community level.
6. Plan, implement and evaluate a health education programme with skill to use simple audio-visual aids.
7. Interact with other members of the health care team and participate in the organization of health care services and implementation of national health programmes.



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Department of Ophthalmology

Knowledge:

a. At the end of the course the students have knowledge of

1. Common problems affecting the eye
2. Principles of management of major ophthalmic emergencies
3. Main systemic diseases of affecting the eye
4. Effects of local and systemic diseases on patient's vision and the necessary action required to minimize the sequelae of such diseases.
5. Adverse drug reactions with special reference to ophthalmic manifestations
6. Magnitude of blindness in India and its main causes
7. National programme for control of blindness and its implementation at various levels
8. Eye care education for prevention of eye problems
9. Role of primary health centre in organization of eye camps
10. Organization of primary health care and the functioning of the ophthalmic assistant.
11. Integration of the national programme for control of blindness with the other national health programmes.
12. Eye Bank Organization

b. Skills at the end of the course students shall be able to perform are:

1. Elicit history pertinent to general health and ocular status.
2. Assist in diagnostic procedure such as visual acuity testing, examination of eye, Schiottz tonometry, staining for corneal pathology confrontation Perimetry, subjective refraction including correction of presbyopia and aphakia, direct ophthalmoscopy and conjunctival smear examination and cover test.
3. Diagnose and treat common problems affecting the eye.
4. Interpret ophthalmic signs in relation to common systemic disorders
5. Assist / observe therapeutic procedures such as sub conjunctival injection, corneal conjunctival foreign body removal, carbolic cautery for corneal ulcers, nasolacrimal test syringing and tarsorrhaphy
6. Provide first aid in major ophthalmic emergency
7. Assist to organize community surveys for visual check up.
8. Assist to organize primary eye care service through primary health centres.
9. Use effective means of communication with public and individuals to motivate for surgery in cataract and for eye donation
10. Establish rapport with his seniors colleagues and para medical workers so as to effectively function as member of the eye care team

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Department of ENT

Objectives:

At the end of the course, the student should:

1. know the common problems related to the subject of ENT
2. Be competent to evaluate the symptoms, analyze the findings, diagnose the malady and suggest and implement the treatment modalities to treat the common ENT conditions.
3. perform emergency life saving procedures commonly seen in ENT practice
4. Be aware of the Program on prevention of deafness and have knowledge of methods for screening for early detection of hearing loss.
5. have the attitude, communicative skills, adapt to changing trends in education, learning methods and evolve new diagnostic and therapeutic techniques in the subject of ENT
6. Know the rational use of pharmaco-therapeutic agents used in treating ENT diseases and have the knowledge of the common side effects and interactions of commonly used drugs.

Knowledge:

1. Describe surgical anatomy and physiology of the Ear, Nose and Throat and Head and Neck
2. Describe basic pathophysiology of common ear, nose and throat diseases and emergencies.
3. Suggest common investigative procedures and their interpretation.


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4. Describe common infective conditions of ENT and treat them.
5. Identify congenital deafness as early as possible.

Skills:

1. Examine and diagnose common problems of Ear, Nose and Throat region and manage at first aid level of care.
2. Recognize premalignant and malignant cases of head and neck region at an early stage.
3. Remove foreign bodies in the ear and nose.
4. Perform life saving procedures like tracheostomy.
5. Should be familiar with drainage of intraoral and neck abscesses.
6. Able to do anterior and posterior nasal packing to control epistaxis.


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Department of Obstruct and Gynaecology

Knowledge:

At the end of the course, the student shall be able to:

1. Outline the anatomy, physiology and patho physiology of the reproductive system and the common conditions affecting it.
2. Know about normal pregnancy, labor, puerperium and manage the problems he/she is likely to encounter therein.
3. List the leading causes of maternal and perinatal morbidity and mortality.
4. Understand the principles of contraception and various techniques employed, methods of medical termination of pregnancy, sterilization and their complications.
5. Identify the use, abuse and side effects of drugs in pregnancy, pre menopausal and post menopausal periods.
6. Describe the national programme of maternal and child health and family welfare and their implementation at various levels.
7. Identify common gynecological diseases and describe principles of their management.
8. State the indications, techniques and complications of surgeries like Caesarean section, laparotomy, abdominal and vaginal hysterectomy, Fothergill's operation and vacuum aspiration for Medical Termination of pregnancy (MTP).

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SKILLS:

At the end of the course, the student shall be able to:

1. Examine a pregnant woman, recognize high risk pregnancy and make appropriate referrals.
2. Conduct a normal delivery, recognize complications and provide postnatal care.
3. Resuscitate new born and recognize congenital anomalies.
4. Advise a couple on the use of various available contraceptive devices and assist in insertion and removal of intra-uterine contraceptive devices.
5. Perform pelvic examination, diagnose and manage common gynecological problems including early detection of genital malignancies.
6. Make a vaginal cytological smear, wet vaginal smear examination for Trichomonas vaginalis, Moniliasis & pap smear.
7. Interpret data of investigations like biochemical, histopathological, radiological, ultrasound


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Department of Medicine

Knowledge:

At the end of the course, the student shall be able to:

1. Diagnose common clinical disorders with special reference to infectious diseases, nutritional disorders, tropical and environmental diseases.
2. Outline various modes of management including drug therapeutics especially dosage, side effects, toxicity, interactions, indications and contra-indications.
3. Perform diagnostic and investigative procedures and interpret them.
4. Provide first level management of acute emergencies promptly and efficiently and decide the timing and level of referral, if required.
5. Recognize geriatric disorders and their management

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Skills:

At the end of the course, the student shall be able to:

1. Develop clinical skills (history taking, clinical examination) to diagnose various common medical disorders and emergencies.
2. Refer a patient to secondary and/or tertiary level of health care after having instituted primary care.
3. Perform simple routine investigations like haemogram, stool, urine, sputum and biological fluid examinations.
4. Assist the common bedside investigative procedures like pleural tap, lumbar puncture, bone marrow aspiration/biopsy and liver biopsy.



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Department of Dermatology

At the end of the course in Dermatology, Venereology and Leprosy, the student should demonstrate the following knowledge and skills:

A. Knowledge:

1. Clinical manifestations and complications of common dermatological conditions and emergencies
2. Relevant investigations to confirm the diagnosis of common dermatoses
3. Pharmacology of commonly used topical preparations and systemic drugs in Dermatology, Venereology and Leprosy
4. Various therapeutic options (both medical and surgical) available for a given disease and selection of appropriate therapy after discussing the same with patients and/or their relatives
5. Recognition of need for referral in case of complications developed during the treatment of common dermatoses, or emergencies, or rare diseases

B. Skills:

1. Elicitation of relevant and correct clinical history and presenting it in a chronological order
2. Complete clinical examination and demonstration of diagnostic clinical signs and/or tests that will help in arriving at the correct diagnosis of common dermatoses and emergencies
3. Simple side-lab procedures or tests required to make bedside diagnoses
4. Method of application of various topical preparations and compresses used in the treatment of common dermatoses

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Department of Paediatrics

Knowledge:

1. At the end of the course students will acquire the Knowledge of normal growth and development during foetal, neonatal, childhood and adolescence periods.
2. Knowledge of common pediatric disorders including adolescence and emergencies, in terms of epidemiology, etiopathogenesis, clinical manifestations, diagnosis, rational therapy, rehabilitation, and prevention.
3. Knowledge of age related requirements of calories, nutrients, fluids, drugs etc., in health and disease.
4. Knowledge of preventive strategies for common infectious disorders, poisoning, accidents, and child abuse.
5. Knowledge of national programmes related to child health, including immunization programmes.
6. Knowledge of common pediatric procedures.
7. Knowledge of management of the common pediatric disorders as per IMNCI, (Government of India or World Health Organization recommendations in force from time to time.)

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Skills:

At the end of the course the students shall be able to

1. Take a detailed pediatric history, conduct an appropriate physical examination of children including neonates, make clinical diagnosis, conduct common bedside investigations, interpret common laboratory investigation results, and institute therapy.
2. Know the skills of basic life support and cardio pulmonary resuscitation.
3. Distinguish between normal newborn babies and those requiring special care and institute essential newborn care.
4. Take anthropometric measurements, prepare oral rehydration solution, perform tuberculin test, administer vaccines available under current national programs, perform intraosseus access, start an intravenous line, provide naso-gastric feeding, and insert foleys catheter.
5. Would have observed procedures such as lumbar puncture, liver and kidney biopsy, bone marrow aspiration, pleural tap including intercostal drainage insertion, ascitic fluid tapping, venesection, and neonatal & pediatric advanced life support.
6. Provide appropriate guidance and counseling in breast feeding and complimentary feeding.
7. Provide ambulatory care to all sick children, identify indications for specialized/inpatient care and ensure timely referral of those who require hospitalization.
8. Be aware and analyze ethical problems that arise during practice and deal with them in an acceptable manner following the code of ethics.



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Department of Anaesthesiology

The undergraduate shall be able to

1. Enumerate different local anaesthetic agents, general anesthetic agents, muscle relaxants, sedatives and analgesics.
2. They shall also understand the indications, mode of administration, contraindications, and side effects of the agents mentioned above.
3. They shall be trained in CPBR on manikins.

Must know:

1. Preanaesthetic check up and medications.
2. Venepuncture set up and IV drip.
3. Laryngoscopy, Endotracheal intubation.
4. Simple general anaesthetic procedures/Regional Anesthesia.
5. Monitoring of patients during postoperative period.
6. Local anaesthetic agents and simple blocks.
7. Maintenance of anaesthetic record.
8. Recognition and treatment of complications in the post operative period.
9. Usage of life support system.
10. To perform CPR on Mannequin.

Desirable To Know:

1. Recognition and management of problems associated in emergency situations.

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2. Crystalloids & Colloids
3. Blood & Blood component therapy.
4. Oxygen transport and various methods of O₂ administration.
5. ICU & Introduction to mechanical ventilation.
6. Interpretation of ABG.
7. Acute pain management.

Nice to Know:

1. Boyle's Machine.
2. History & Modern trends in practice of Anaesthesia.
3. Chronic pain management.
4. Occupational hazards



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Department of Surgery

Knowledge:

At the end of the course, the student shall be able to:

1. Should be competent to diagnose and describe management of common surgical diseases including emergencies.
2. Understand, describe and apply the knowledge of fluid and electrolyte therapy.
3. Describe indications of blood transfusion, apply it and manage complications.
4. Understand and describe principles of asepsis, disinfection and sterilization, take up rational drug therapy and appropriate use of antibiotics in surgical conditions.
5. Develop basic awareness and detect common malignancies in the country, understand principles of management and prevention.
6. Enumerate different types of anesthetic agents, their indications, uses contraindications and side effects.

Skills:

At the end of the course, the student should be able to:

1. Examine and diagnose common surgical conditions.
2. Plan for various tests and their interpretation.
3. Diagnose and manage patients with various types of shock.
4. Resuscitate and manage air-way, a critically injured, burns and Patients with cardiorespiratory failure.

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5. Resuscitate and provide basic care in polytrauma patients and refer them appropriately.
6. Diagnose and initiate treatment of acute surgical emergencies and refer appropriately.
7. Provide primary care for a patient of burns.
8. Management of wounds including tetanus, gas gangrene and prophylaxis.
9. Acquire knowledge of basic principles of operative surgery, including per operative procedures and manage patients in post operative period.
10. Diagnose neonatal and pediatric surgical emergencies and provide sound primary care before referring the patient to secondary/tertiary Centers
11. Identify congenital anomalies and refer them for appropriate management.
12. In addition to the skills referred above in items he shall have observed/assisted/performed the following during internship:
 - a. Incision and drainage of abscess
 - b. Debridement and suturing of open wounds and management of external hemorrhage
 - c. Venesection/I.V.line insertion
 - d. Excision of small lumps
 - e. Biopsy of surface malignancy
 - f. Catheterization and Nasogastric intubation
 - g. Circumcision
 - h. Vasectomy
 - i. Peritoneal and pleural aspirations
 - j. Diagnostic Proctoscopy
 - k. Hydrocele operation
 - l. Endotracheal intubation
 - m. Tracheostomy and cricothyroidotomy


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n. Chest tube insertion.

Affector Domain:

1. Understand and follow ethical approach in management of surgical conditions.
2. Counsel and guide the patients regarding need, options, advantages and disadvantage of common surgical procedures.
3. Develop overall humane approach in management of terminal care for needy patients.
4. Co-ordinate and organize needful services at the time of natural disasters and mass casualties.
5. Work in tandem with National and State level health care policies.
6. Understand and follow medico legal aspects in surgical care.


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Department of Orthopaedics

Knowledge:

The student shall be able to:

1. Explain the principles of management of bone injuries and dislocations;
2. Apply suitable methods to detect and manage common infections of bones and joints;
3. Identify congenital, skeletal anomalies and their referral for appropriate correction or rehabilitation.
4. Recognize metabolic bone diseases.
5. Explain etiology, pathogenesis, manifestations, and diagnosis of neoplasms affecting bones.
6. Recognise shock in polytrauma patients.

SKILLS:

At the end of the course, the student shall be able to:

1. Detect common fractures and sprains and manage uncomplicated fractures of clavicle, Colle's fracture, and phalanges fractures;
2. Use techniques of splinting, plaster, immobilization;
3. Manage common bone infections;
4. Advise aspects of rehabilitation for polio, cerebral palsy and amputations

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The Constituent College
SHRI B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

Department of Respiratory Medicine

Knowledge:

At the end of the course of Tuberculosis and Chest-diseases, the student shall be able to:

1. demonstrate knowledge of common chest diseases, their clinical manifestations, including emergent situations and of investigative procedures to confirm their diagnosis;
2. demonstrate comprehensive knowledge of various modes of therapy used in treatment of respiratory diseases;
3. describe the mode of action of commonly used drugs, their doses, side-effects/toxicity, indications and contra-indications and interactions;
4. Describe commonly used modes of management including medical and surgical procedures available for treatment of various diseases and to offer a comprehensive plan of management inclusive of National Tuberculosis Control programme

Skills:

The student shall be able to:

1. interview the patient, elicit relevant and correct information and describe the history in chronological order;
2. conduct clinical examination, elicit and interpret clinical findings and diagnose common respiratory disorders and emergencies;
3. perform simple, routine investigative and office procedures required for making the bed side diagnosis, especially sputum collection and examination for etiologic organisms especially acid fast bacilli (AFB), interpretation of the chest x-ray and respiratory function tests;
4. interpret and manage various blood gases and pH abnormalities in various respiratory diseases;
5. manage common diseases recognizing need for referral for specialized care, in case of inappropriateness of therapeutic response;
6. Assist in the performance of common procedures, like laryngoscopic examination, pleural aspiration, respiratory physiotherapy, laryngeal intubation and pneumo-thoracic drainage aspiration.

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Department of Psychiatry

Knowledge:

At the end of the course, the student shall be able to:

1. Comprehend nature and development of different types of normal human behavior like learning, memory, motivation, personality and intelligence;
2. Recognize difference between normal and abnormal behavior,
3. Classify psychiatric disorders;
4. recognize clinical manifestations of the following common syndromes and plan their appropriate management; organic psychosis, functional psychosis, schizophrenia, affective disorders, neurotic disorders, personality disorders, psycho-physiological disorders, drug and alcohol dependence, psychiatric disorders of childhood and adolescence;
5. Describe rational use of different modes of therapy in psychiatric disorders.

Skills:

The student shall be able to

1. Interview the patient and understand different methods of communication in patient doctor relationship.
2. Elicit detailed psychiatric case history and conduct clinical examination for assessment of mental status;
3. Define, elicit and interpret psycho-pathological symptoms and signs;
4. Diagnose and manage common psychiatric disorders;
5. Identify and manage psychological reactions and psychiatric disorders in medical and surgical patients in clinical practice and in community setting.

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