

UG Med

A comprehensive teaching and self-learning support system for UG Medical Education



Digital book that supports formal instruction as also self study (illustration oriented)



Over 5000 audio-video lectures: with illustrations, animations, charts, procedure videos, etc.



Extensive portfolio of early clinical exposure modules. Induction into world of health care/ hospitals and clinical co-relation of pure science study



A Comprehensive set of laboratory sessions/DOAPs and cadaver dissections with commentaries



1500 horizontal & vertical integration of topics within pre, para, and clinical subjects



Approx 500 Bedside clinics: Audio-visual modules on case scenarios in a clinical setting



Certifiable skills (56 essential): Video based lessons for psychomotor learning



Materials for small group discussions along with facilitator guidelines for each of 2000+ sessions, based on cases tasks or puzzles



Assessments & analytics: Questions for AV compilation & notes for swift revision, formative assessment, summative assessment. A series of mock assessments in partnership with Prometric and performance analytics, remedial programs



Easy to use 'Learning Management System' and 'Quick Review Notes'

The Digital Books



- Comprehensive, competency-based, peer-reviewed, periodically updated
- **CBME** Curriculum based, richly illustrated, succinctly written
- Specific learning objectives, integration notes, AV Lectures
- Ideal for faculty to teach in an online, or a physical room, also well suited for self study

Two-column format: Succinct notes with corresponding exhibits

Pictures, Illustrations, Videos, Cases, etc. (Click to expand)

CBME Competency Number AN35.2

Page 11 | 11

Related Audio-Visual Lectures with animations, line diagrams, charts, etc.

Specific Learning Objectives

Integration topics (Succinctly presented with exhibits and text)

Other offerings from Medisys Edutech

UG Dental: A compilation of e-learning sessions that comprehensively cover the complete BDS curriculum: AV lectures, digital books, a vast array of procedure videos, assessments etc.

UG Nursing: A compilation of e-learning sessions that comprehensively cover the complete BSc curriculum: AV lectures, digital books, a vast array of procedure videos, assessments, care plans etc.

UG Homoeo: A compilation of e-Learning sessions that comprehensively cover the complete BHMS curriculum.

Test Prep: Materials for swift revision and a testing platform for Medical, Dental and Nursing students. Mock assessments for NEXT in association with Prometric.

Continuing Education: A vast range of courses, from 2 weeks to 1 year duration leading to certificates/diplomas, in online/blended delivery mode, Primarily intended for GP/family medicine practice.

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Pre-Clinical

Anatomy

1. Anatomical Terminology
2. General Features of Bones and Joints
3. General Features of Muscle
4. General Features of Skin and Fascia
5. General Features of the Cardiovascular System
6. General Features of Lymphatic System
7. Introduction to the Nervous System
8. Features of Individual Bones (Upper Limb)
9. Pectoral Region
10. Axilla, Shoulder and Scapular Region
11. Arm And Cubital Fossa
12. Forearm And Hand
13. General Features, Joints, Radiographs and Surface Marking
14. Features of Individual Bones (Lower Limb)
15. Front and Medial Side of Thigh
16. Gluteal Region and Back of Thigh
17. Hip Joint
18. Knee Joint, Anterior Compartment of Leg and Dorsum of Foot
19. Back of Leg and Sole
20. General Features, Joints, Radiographs and Surface Marking
21. Thoracic Cage
22. Heart And Pericardium
23. Mediastinum
24. Lungs and Trachea
25. Thorax
26. Skull Osteology
27. Scalp
28. Face and Parotid Region
29. Posterior Triangle of Neck
30. Cranial Cavity
31. Orbit
32. Anterior Triangle
33. Temporal and Infratemporal Regions
34. Submandibular Region
35. Deep Structures in the Neck
36. Mouth, Pharynx and Palate
37. Cavity of Nose
38. Larynx
39. Tongue
40. Organs of Hearing and Equilibrium
41. Eyeball
42. Back Region
43. Head and Neck Joints, Histology, Development, Radiography and Surface Marking
44. Anterior Abdominal Wall
45. Posterior Abdominal Wall
46. Male External Genitalia
47. Abdominal Cavity
48. Pelvic Wall and Viscera
49. Perineum
50. Vertebral Column
51. Sectional Anatomy
52. Histology and Embryology

53. Osteology
54. Radiodiagnosis
55. Surface Marking
56. Meninges and CSF
57. Spinal Cord
58. Medulla Oblongata
59. Pons
60. Cerebellum
61. Midbrain
62. Cranial Nerve and Cerebral Hemispheres
63. Ventricular System
64. Histology and Embryology
65. Epithelium Histology
66. Connective Tissue Histology
67. Muscle Histology
68. Nervous Tissue Histology
69. Blood Vessels
70. Glands and Lymphoid Tissue
71. Bone and Cartilage
72. Integumentary System
73. Chromosomes
74. Patterns of Inheritance
75. Principle of Genetics, Chromosomal Aberrations and Clinical Genetics
76. Introduction to Embryology
77. Gametogenesis and Fertilization
78. Second Week of Development
79. 3rd to 8th Week of Development
80. Fetal Membranes
81. Prenatal Diagnosis
82. Ethics In Anatomy

Physiology

1. General Physiology
2. Haematology
3. Nerve and Muscle Physiology
4. Gastro-Intestinal Physiology
5. Cardiovascular Physiology (CVS)
6. Respiratory Physiology
7. Renal Physiology
8. Endocrine Physiology
9. Reproductive Physiology
10. Neurophysiology
11. Integrated Physiology

Biochemistry

1. Basic Biochemistry
2. Enzyme
3. Chemistry and Metabolism of Carbohydrates
4. Chemistry and Metabolism of Lipids
5. Chemistry and Metabolism of Proteins
6. Metabolism and Homeostasis
7. Molecular Biology
8. Nutrition
9. Extracellular Matrix
10. Oncogenesis And Immunity
11. Biochemical Laboratory Tests

Para-Clinical

Pharmacology

1. General Pharmacology
2. Clinical Pharmacy
3. Clinical Pharmacology
4. Experimental Pharmacology
5. Ethics in Pharmacology

Pathology

1. General Pathology
2. Cell Injury & Adaptation
3. Amyloidosis
4. Inflammation
5. Healing and Repair
6. Haemodynamic Disorders
7. Neoplastic Disorders
8. Basic Diagnostic Cytology
9. Immunopathology & Aids
10. Infections & Infestations
11. Genetic & Paediatric Diseases
12. Environmental & Nutritional Diseases
13. Introduction to Haematology
14. Microcytic Anemia
15. Macrocytic Anemia
16. Hemolytic Anemia
17. Aplastic Anemia
18. Leukocyte Disorders
19. Lymph Node & Spleen
20. Plasma Cell Disorders
21. Hemorrhagic Disorders
22. Blood Banking & Transfusion
23. Clinical Pathology
24. Gastrointestinal Tract
25. Hepatobiliary System
26. Respiratory System
27. Cardiovascular System
28. Urinary Tract
29. Male Genital Tract
30. Female Genital Tract
31. Breast
32. Endocrine System
33. Bone & Soft Tissue
34. Skin
35. Central Nervous System
36. Eye

Microbiology

1. General Microbiology and Immunity
2. CVS and Blood
3. Gastrointestinal And Hepatobiliary System
4. Musculoskeletal System Skin and Soft Tissue Infections
5. Central Nervous System Infections
6. Respiratory Tract Infections
7. Genitourinary and Sexually Transmitted Infections
8. Zoonotic Diseases and Miscellaneous

Clinical - I

Forensic Medicine

1. General Information
2. Forensic Pathology
3. Clinical Forensic Medicine
4. Medical Jurisprudence (Medical Law and Ethics)
5. Forensic Psychiatry
6. Forensic Laboratory Investigation in Medical Legal Practice
7. Emerging Technologies in Forensic Medicine
8. Toxicology: General Toxicology
9. Toxicology: Chemical Toxicology
10. Toxicology: Pharmaceutical Toxicology
11. Toxicology: Biototoxicology
12. Toxicology: Sociomedical Toxicology
13. Toxicology: Environmental toxicology
14. Skills in Forensic Medicine and Toxicology

Ophthalmology

1. Visual Acuity Assessment
2. Lids and Adnexa, Orbit
3. Conjunctiva
4. Corneas
5. Sclera
6. Iris And Anterior Chamber
7. Lens
8. Retina and Optic Nerve
9. Miscellaneous

Otolaryngology (ENT)

1. Anatomy and Physiology of Ear, Nose, Throat, Head and Neck
2. Clinical Skills
3. Diagnostic and Therapeutic Procedures in ENT
4. Management of Diseases of Ear, Nose & Throat

Community Medicine

1. Concept of Health and Disease
2. Relationship of Social and Behavioural to Health and Disease
3. Environmental Health Problems
4. Principles of Health Promotion and Education
5. Nutrition
6. Basic Statistics and its Applications
7. Epidemiology
8. Epidemiology of Communicable and Non-Communicable Diseases
9. Demography and Vital Statistics
10. Reproductive Maternal and Child Health
11. Occupational Health
12. Geriatric Services
13. Disaster Management
14. Hospital Waste Management
15. Mental Health
16. Health Planning and Management
17. Health Care of the Community
18. International Health
19. Essential Medicine
20. Recent Advances in Community Medicine

Clinical - II

General Medicine

1. Heart Failure
2. Acute Myocardial Infarction / IHD
3. Pneumonia
4. Fever and Febrile Syndromes
5. Liver Disease
6. HIV
7. Rheumatologic Problems
8. Hypertension
9. Anemia
10. Acute Kidney Injury & Chronic Renal Failure
11. Diabetes Mellitus
12. Thyroid Dysfunction
13. Common Malignancies
14. Obesity
15. GI Bleeding
16. Diarrheal Disorder
17. Headache
18. Cerebrovascular Accident
19. Movement Disorders
20. Envenomation
21. Poisoning
22. Mineral, Fluid Electrolyte and Acid Base Disorder
23. Nutritional and Vitamin Deficiencies
24. Geriatrics
25. Miscellaneous Infections
26. The Role of the Physician in the Community

General Surgery

1. Metabolic Response to Injury
2. Shock
3. Blood and Blood Components
4. Burns
5. Wound Healing and Wound Care
6. Surgical Infections
7. Surgical Audit and Research
8. Ethics
9. Investigation of Surgical Patient
10. Pre, Intra and Post- Op Management
11. Anaesthesia and Pain Management
12. Nutrition and Fluid Therapy
13. Transplantation
14. Basic Surgical Skills
15. Biohazard Disposal
16. Minimally Invasive General Surgery
17. Trauma
18. Skin And Subcutaneous Tissue
19. Developmental Anomalies of Face, Mouth and Jaws
20. Oropharyngeal Cancer
21. Disorders of Salivary Glands
22. Endocrine General Surgery: Thyroid and Parathyroid
23. Adrenal Glands
24. Pancreas
25. Breast
26. Cardio-Thoracic General Surgery - Chest, Heart and Lungs
27. Vascular Diseases
28. Abdomen
29. Urinary System
30. Penis, Testis and Scrotum

Obstetrics & Gynaecology

1. Demographic and Vital Statistics
2. Anatomy of the Female Reproductive Tract (Basic Anatomy and Embryology)
3. Physiology of Conception
4. Development of the Fetus and the Placenta
5. Preconception Counselling
6. Diagnosis of Pregnancy
7. Maternal Changes in Pregnancy
8. Antenatal Care
9. Complications in Early Pregnancy
10. Antepartum Haemorrhage
11. Multiple Pregnancies
12. Medical Disorders in Pregnancy
13. Labour
14. Abnormal Lie and Presentation; Maternal Pelvis
15. Operative Obstetrics
16. Complications of the Third Stage
17. Lactation
18. Care of the New Born
19. Normal and Abnormal Puerperium
20. Medical Termination of Pregnancy
21. Contraception
22. Vaginal Discharge
23. Normal and Abnormal Puberty
24. Abnormal Uterine Bleeding
25. Amenorrhea
26. Genital Injuries and Fistulae
27. Genital Infections
28. Infertility
29. Uterine Fibroids
30. PCOS and Hirsutism
31. Uterine Prolapse
32. Menopause
33. Benign, Pre-Malignant (Cin) and Malignant Lesions of the Cervix
34. And Malignant Diseases of the Uterus and the Ovaries
35. Obstetrics & Gynecological Skills - I
36. Obstetrics & Gynecological Skills - II
37. Obstetrics & Gynecological Skills - III
38. Should Observe - Obstetrics & Gynecological Skills - IV

Pediatrics

1. Normal Growth and Development
2. Common Problems Related to Growth
3. Common Problems Related to Development -1 (Developmental Delay, Cerebral Palsy)
4. Common Problems Related To Development-2 (Scholastic Backwardness, Learning Disabilities, Autism, ADHD)
5. Common Problems Related to Behavior
6. Adolescent Health and Common Problems Related to Adolescent Health Number of Competencies
7. To Promote and Support Optimal Breast Feeding for Infants
8. Complementary Feeding
9. Normal Nutrition, Assessment and Monitoring

10. Provide Nutritional Support, Assessment and Monitoring for Common Nutritional Problems
11. Obesity in Children
12. Micronutrients in Health and Disease-1 (Vitamins ADEK, B Complex and C)
13. Micronutrients in Health and Disease -2: Iron, Iodine, Calcium, Magnesium
14. Toxic Elements and Free Radicals and Oxygen Toxicity
15. Fluid and Electrolyte Balance
16. Integrated Management of Neonatal and Childhood Illnesses (IMNCI) Guideline
17. The National Health Programs, NHM
18. The National Health Programs: RCH
19. National Programs, RCH - Universal Immunizations Program
20. Care of one Normal New Born, and High Risk New Born
21. Genito-Urinary System
22. Approach To And Recognition of a Child with Possible Rheumatologic Problem
23. Cardiovascular System- Heart Diseases
24. Diarrhoeal Diseases and Dehydration
25. Malabsorption
26. Acute and Chronic Liver Disorders
27. Pediatric Emergencies - Common Pediatric Emergencies
28. Respiratory System
29. Anemia and Other Hemato-Oncologic Disorders in Children
30. Systemic Pediatrics - Central Nervous System
31. Allergic Rhinitis, Atopic Dermatitis, Bronchial Asthma, Urticaria Angioedema
32. Chromosomal Abnormalities
33. Endocrinology
34. Vaccine Preventable Diseases - Tuberculosis
35. The Role of the Physician in the Community

Respiratory Medicine

1. Tuberculosis
2. Obstructive Airway Disease

Psychiatry

1. Doctor Patient Relationship
2. Mental Health
3. Introduction to Psychiatry
4. Psychotic Disorders
5. Depression
6. Bipolar Disorders
7. Anxiety Disorders
8. Stress Related Disorders

9. Somatoform Disorders
10. Personality Disorders
11. Psychosomatic Disorders
12. Psychosexual and Gender Identity Disorders
13. Psychiatric Disorders in Childhood and Adolescence
14. Mental Retardation
15. Psychiatric Disorders in the Elderly
16. Psychiatric Emergencies
17. Therapeutics
18. Miscellaneous

Dermatology, Venerology and Leprosy

1. Acne
2. Vitiligo
3. Papulosquamous Disorders
4. Lichen Planus
5. Scabies
6. Pediculosis
7. Fungal Infections
8. Viral Infections
9. Leprosy
10. Sexually Transmitted Diseases
11. HIV
12. Dermatitis and Eczema
13. Vesicobullous Lesions
14. Urticaria Angioedema
15. Pyoderma
16. Collagen Vascular Disease
17. Nutritional Deficiencies and Skin
18. Systemic Diseases and the Skin

Physical Medicine & Rehabilitation

1. Introduction to Physical Medicine
2. Cerebrovascular Accident
3. Cerebral Palsy
4. Musculoskeletal System
5. Amputation
6. Lower Motor Nerve Lesion
7. Spinal Injury
8. Traumatic Brain Injury (TBI)
9. Geriatrics

Orthopaedics

1. Skeletal Trauma, Poly Trauma
2. Fractures
3. Musculoskeletal Infection
4. Skeletal Tuberculosis
5. Rheumatoid Arthritis and Associated Inflammatory Disorders
6. Degenerative Disorders
7. Metabolic Bone Disorders
8. Poliomyelitis
9. Cerebral Palsy

10. Bone Tumors
11. Peripheral Nerve Injuries
12. Congenital Lesions
13. Procedural Skills
14. Counselling Skills

Anaesthesiology

1. Anaesthesiology as a Speciality
2. Cardiopulmonary Resuscitation
3. Preoperative Evaluation and Medication
4. General Anaesthesia
5. Regional Anaesthesia
6. Post-Anaesthesia Recovery
7. Intensive Care Management
8. Pain and its Management
9. Fluids
10. Patient Safety

Radiodiagnosis

1. Radiological Investigations and Radiation Safety

Radiotherapy

1. Principles of Radiation Oncology (Radiotherapy)
2. Radiation Protection
3. Radiobiology & Chemoradiation
4. Radiation Treatment Delivery & Outcome
5. Cancer Prevention & Registries

Dentistry

1. Dental Caries
2. Edentulous State
3. Malocclusion
4. Oral Cancer
5. Periodontal Disease

Medisys Edutech also offers:

Course	No. of Modules
Early Clinical Exposure Modules	30
Small Group Discussion Modules	1924
Bed-side Clinics	532
Certifiable Skills	56
DOAP/ Laboratory sessions	734