

6-DAY CME FOR TEACHERS
(ILMUL AMRAZ) PATHOLOGY

Module 1.

Objective of teaching

- Interactive teaching methodology of Ilmul Amraz
- Preparation and use of Teaching aids,
- Curriculum planning,
- Making question paper and valuation of scripts,
- Problems and solution of lab demonstration/training.
- Reference and text books of Ilmul-amraz

Module 2.

- Concept of Marz wa Sehat,
- Comparison of Merz-o-sehat with other system of Medicine.
- Asbab-e-merz wa Sehat,
- Ajnaas-e-Amraz,
- Significance of Unani classification of Merz, Su-e-Mizaj , Sue-e Tarkeeb wa tafaruk-e-Ittesal.

Module 3.

- Asbab of Cellular damage and response of cellular damage.
- Free radicals and cells injury,
- Intracellular accumulation,
- Asbab of reversible and irreversible injury,
- Autolysis,
- Nakhu, Degeneration ,
- Iltehaab ,Humma ,
- Ghangharana.

Module 4.

- Determination of Mizaj,
- Scientific validation of Mizaj,
- difficulties and limitation in determination of Mizaj,
- Understanding of Marz with the relation of Mizaj, Alamat -e-Amzja.

Module 5.

- Unani and modern concept of Immunity and Immunological disorder, Nature of antigen and antibody,
- Antigen and antibody reaction,
- Cells of Immune response,
- Cells of Mediated immunity,
- Auto immune diseases.

Module 6.

Overview of Environmental Pathology,

- Physical injury,
- Chemical and drug injury,
- Non-Ionizing radiation.

Module 7.

- Fluids and Hemodynamic derangements,
- Odema,
- Jiryan-ud-dam Imtila-ud-Dam,
- Embolism,
- Infarction ,
- Shock.

Module 8.

- Cellular adaptations,
- Hypertrophy,
- Hyperplasia,
- Atrophy,
- Agenesis ,
- Metaplasia,

- Dysplasia,
- Aplasia.

Module 9.

- Concept of Pain in Unani Medicine and interpretation,
- Asbab-e-Waja, Aqsaam e-Waja and its interpretation with modern medicine.

Module 10.

- How to teach Systemic pathology --- causes , pathogenesis ,gross and cellular changes, fate and complication , Their approach from Unani Medicine prospective

Module 12

- Pathology of Ageing, Metabolic disorders e,g, DM, Atherosclerolosis.

Module 13.

- Concept of Taffun in Unani Medicine, Jarasim wa Akhlat,
- Teaching of microbiology-Classification and general characters of Bacteria ,
- Culture and staining of bacteria,
- Pathogenicity of microorganism,

Module 14.

- How to teach Parasitological -classification, morphology, pathogenesis, diagnosis of parasitic diseases.

Module15 .

- Introduction of Modern diagnostic tools and their interpretation, Pathological and Bio-chemical investigation,
- Basic hematology,
- Urine and Stool analysis,
- Blood grouping

Module 16.

- Laboratory safety and Accidents
- First aid, Handling and disposal of Biological waste,
- Care of instruments,
- Use of Microscope and computer aided instruments,
- Quality control programme of laboratory.

Practical & laboratory related training

- Minimum requirements of pathology laboratory.
- Care of Laboratory instruments.
- Common causes of accidents and safety in laboratory
- First aid measures in laboratory.
- Laboratory management and planning.
- Use of analytical instruments and technique.
- Quality control programme of laboratory.
- Disposal of infected material and culture media.
- Hematology
- Care and use of microscope and its appendages.
- Use of computer in laboratory practical & demonstration.
- Interpretation of imtihan-e-Bol with physical examination of urine.
- Complete Urine analysis.
- Stool, Sputum and Semen examination.
- Basic microbiology and preservation of culture media.
- Basic Histopathologic technique.
- Parasitological technique.