

**DEPARTMENT OF PLASTIC SURGERY
FACULTY OF MEDICINE**

A.M.U., ALIGARH

Syllabus for Ph.D Admissions Test 2022-23 onwards

SECTION-B

PREVENTION & MANAGEMENT OF BURNS

- ✓ Fluid replacement in Burned patients.
- ✓ Local care in severe Burns.
- ✓ Management of full-thickness burns.
- ✓ Burns of special areas : face & neck, eyes, ears, nose, mouth, hand, axilla, perineum scalp & skull.
- ✓ Burns of special causes :-
- ✓ Electrical burns including lightning strike, Chemical, (Acid/Alkali burns) and Radiation, burns
- ✓ Inhalation injury, pulmonary injury in burned patients.
- ✓ Systemic infection & its management
- ✓ Multiple organ failure.
- ✓ Alteration of the host defense mechanism.
- ✓ Immunomodulation following Burn Injury.
- ✓ Nutritional considerations.
- ✓ Paediatric Burns.
- ✓ Topical therapy
- ✓ Out patient care.
- ✓ Rehabilitation after burn injury.
- ✓ Skin Preservation.
- ✓ Skin Substitutes
- ✓ Epithelial cell culture & its clinical applications in the treatment of burns.

TISSUE TRANSFERS (TRANSPLANTATION IN PLASTIC SURGERY)

- ✓ Transplantation Immunology.
- ✓ Transplantation in Plastic Surgery
- ✓ Skin, Bone, Cartilage, Nerve, Limb and Composite Tissue.
- ✓ Future Transplantation in Plastic Surgery.

CONGENITAL ANOMALIES

- ✓ Prenatal detection of fetal anomalies
- ✓ Craniofacial Clefts: embryology, anatomy, classification and management. Orthodontics. Velopharyngeal dysfunction.
- ✓ Craniofacial syndromes.
- ✓ Craniofacial microsomia
- ✓ Craniosynostosis
- ✓ Hemi facial atrophy
- ✓ Vascular anomalies
- ✓ Congenital anomalies of the chest wall
- ✓ Congenital male & Female genital defects.
- ✓ Congenital hand anomalies
- ✓ Transverse & Longitudinal deficiencies of the extremities.

MAXILLOFACIAL INJURIES.

Soft Tissue Injuries.

Incidence & Etiology

Evaluation & management – Anatomy, Clinical examination,
Diagnostic Studies.

Acute care & reconstruction of facial burns – Post burn complications & sequelae.

Facial Fractures.

General management.

Management of specific fractures of the craniofacial skeleton.

Gunshot wound of the face.

Post traumatic facial pain.

Paediatric facial injuries.

Prenatal, birth & infant injuries.

Battered child syndrome.

Soft tissue injuries.

Dog bites.

Facial fractures - etiology, incidence & management.

Rigid fixation & growth.

Translocation of plates.

Resorbable fixation.

Complications of paediatric facial trauma

The role of restraints in vehicular safety

Endoscopic facial fracture management.

Techniques, application in specific anatomic regions.

Evolving applications & future directions.

PREVENTION & MANAGEMENT OF HAND INJURIES.

Incidence & etiology.

Examination of the upper extremity.

Diagnostic imaging of the hand & wrist.

Diagnosis & management of tendons, nerves bones and joint injuries.

(Prof. Imran Ahmad)