



GOVERNMENT OF JAMMU & KASHMIR
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES
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**Syllabus for Assistant Professor Posts of
the Department of Plastic Surgery,
SKIMS, SOURA.**

PLASTIC SURGERY

Volume One: Principles

- 1 Plastic surgery and innovation in medicine
- 2 History of reconstructive and aesthetic surgery
- 3 Applying psychology to routine plastic surgery practice
- 4 The role of ethics in plastic surgery and medico-legal issues in plastic surgery
- 5 Business principles for plastic surgeons
- 6 Value-based healthcare
- 7 Digital photography in plastic surgery
- 8 Pre- and intra-operative imaging for plastic surgery
- 9 Patient safety in plastic surgery
- 10 Anesthesia and pain management in plastic surgery
- 11 Evidence-based medicine and health services research in plastic surgery
- 12 Patient-reported outcomes in plastic surgery
- 13 Health services research in plastic surgery
- 14 Principles of cancer management
- 15 Wound healing
- 16 Scar prevention, treatment, and revision
- 17 Skin grafting
- 18 Tissue engineering
- 19 Repair, grafting, and engineering of cartilage
- 20 Repair and grafting of bone
- 21 Repair and grafting of peripheral nerve
- 22 Repair and grafting fat and adipose tissue
- 23 Vascular territories
- 24 Flap physiology, classification, and applications
- 25 Principles and techniques of microvascular surgery
- 26 Tissue expansion and implants
- 27 Principles of radiation therapy
- 28 Lymphedema: pathophysiology and basic science
- 29 Benign and malignant nonmelanocytic tumors of the skin and soft tissue

- 30 Melanoma
- 31 Implants and biomaterials
- 32 Transplantation in plastic surgery
- 33 Technology innovation in plastic surgery: a practical guide for the surgeon innovator
- 34 Robotics in plastic surgery
- 35 Digital technology in plastic surgery
- 36 Aesthetic improvement through noninvasive technologies
- 37 Education and teaching in plastic surgery
- 38 Global plastic surgery
- 39 Gender-affirming surgery

Volume Two: Aesthetic

- 1 Managing the aesthetic surgery patient
- 2 Principles of practice management and social media for cosmetic surgery

Section I: Aesthetic Anesthesia Techniques

- 3 Essential elements of patient safety in aesthetic plastic surgery
- 4 Pain management in plastic surgery
- 5 Anatomic blocks of the face and neck
- 6 Local anesthesia

Section II: Aesthetic Surgery of the Face

- 7 Non-surgical skin care and rejuvenation
- 8.1 Editors' perspective: injectables and non-surgical resurfacing techniques
- 8.2 Injectables and resurfacing techniques: Soft-tissue fillers
- 8.3 Injectables and resurfacing techniques: Botulinum toxin/neurotoxins
- 8.4 Injectables and resurfacing techniques: Lasers in aesthetic surgery
- 8.5 Injectables and resurfacing techniques: Chemical peels
- 8.6 Minimally invasive multimodal facial rejuvenation
- 9.1 Editors' perspective: surgical facial rejuvenation
- 9.2 Facial anatomy and aging
- 9.3 Principles and surgical approaches of facelift
- 9.4 Facelift: Facial rejuvenation with loop sutures: the MACS lift and its derivatives
- 9.5 Facelift: Platysma-SMAS plication
- 9.6 Facelift: Lateral SMASectomy facelift
- 9.7 Facelift: The extended SMAS technique in facial rejuvenation
- 9.8 High SMAS facelift: combined single flap lifting of the jawline, cheek, and midface

- 9.9 The lift-and-fill facelift
- 9.10 Neck rejuvenation
- 9.11 Male facelift
- 9.12 Secondary facelift irregularities and the secondary facelift
- 9.13 Perioral rejuvenation, including chin and genioplasty
- 9.14 Facial feminization
- 10 Editors' perspective: brow and eye
- 11 Forehead rejuvenation
- 12 Endoscopic brow lift
- 13 Blepharoplasty
- 14 Secondary blepharoplasty
- 15 Asian facial cosmetic surgery
- 16 Facial fat grafting
- 17 Editors' perspective: nose
- 18 Nasal analysis and anatomy
- 19 Open technique rhinoplasty
- 20 Closed technique rhinoplasty
- 21 Airway issues and the deviated nose
- 22 Secondary rhinoplasty
- 23 Otoplasty and ear reduction
- 24 Hair restoration

Section III: General Aesthetic Surgery

- 25.1 Editors' perspective: liposuction
- 25.2 Liposuction: a comprehensive review of techniques and safety
- 25.3 Correction of liposuction deformities with the SAFE liposuction technique
- 26 Editors' perspective: abdominal contouring
- 27 Abdominoplasty
- 28 Lipoabdominoplasty with anatomical definition: a new concept in abdominal aesthetic surgery
- 29 Editors' perspective: truncal contouring
- 30 Bra-line back lift
- 31 Belt lipectomy
- 32 Circumferential approaches to truncal contouring in massive weight loss patients: the lower lipo-bodylift
- 33 Circumferential approaches to truncal contouring: autologous buttocks augmentation with purse-string gluteoplasty
- 34 Circumferential approaches to truncal contouring: lower bodylift with autologous gluteal flaps for augmentation and preservation of gluteal contour
- 35.1 Editors' perspective: buttock augmentations

- 35.2 Buttock augmentation with implants
- 35.3 Buttock shaping with fat grafting and liposuction
- 36 Upper limb contouring
- 37 Medial thigh
- 38 Post-bariatric reconstruction
- 39 Energy devices in aesthetic surgery
- 40 Aesthetic genital surgery

Volume Three: Craniofacial, Head and Neck Surgery and Pediatric Surgery

Part 1: Craniofacial, Head and Neck Surgery

- 1 Management of craniomaxillofacial fractures
- 2 Scalp and forehead reconstruction
- 3 Aesthetic nasal reconstruction
- 4 Auricular construction
- 5 Secondary treatment of acquired cranio-orbital deformities
- 6.1 Computerized surgical planning: introduction
- 6.2 Three-dimensional virtual planning in orthognathic surgery
- 6.3 Computerized surgical planning in head and neck reconstruction
- 7 Introduction to post-oncologic reconstruction
- 8 Overview of head and neck soft-tissue and bony tumors
- 9 Post-oncologic midface reconstruction: the Memorial Sloan-Kettering Cancer Center and MD Anderson Cancer Center approaches
- 10 Local flaps for facial coverage
- 11 Lip reconstruction
- 12 Oral cavity, tongue, and mandibular reconstructions
- 13 Hypopharyngeal, esophageal, and neck reconstruction
- 14 Secondary facial reconstruction
- 15 Facial paralysis
- 16 Surgical management of facial pain, including migraines
- 17 Facial feminization

Part 2: Pediatric Surgery

- 18 Embryology of the craniofacial complex

Section I: Clefts

- 19.1 Unilateral cleft lip: introduction
- 19.2 Rotation advancement cheiloplasty

- 19.3 Extended Mohler repair
- 19.4 Anatomic subunit approximation approach to unilateral cleft lip repair
- 20 Repair of bilateral cleft lip
- 21.1 Cleft palate: introduction
- 21.2 Straight line repair with intravelar veloplasty (IVVP)
- 21.3 Double opposing Z-palatoplasty
- 21.4 Buccal myomucosal flap palate repair
- 21.5 The buccal fat pad flap
- 21.6 Oral fistula closure
- 21.7 Alveolar clefts
- 21.8 Orthodontics in cleft lip and palate management
- 21.9 Velopharyngeal dysfunction
- 21.10 Secondary deformities of the cleft lip, nose, and palate
- 21.11 Cleft and craniofacial orthognathic surgery

Section II: Craniofacial

- 22 Pediatric facial fractures
- 23 Orbital hypertelorism
- 24 Craniofacial clefts
- 25.1 Craniosynostosis: introduction
- 25.2 Nonsyndromic craniosynostosis
- 25.3 Multisutural syndromic synostosis
- 25.4 Neurosurgical and developmental issues in craniosynostosis
- 26 Craniofacial microsomia
- 27 Idiopathic progressive hemifacial atrophy
- 28 Robin sequence
- 29 Treacher Collins syndrome

Section III: Pediatrics

- 30 Congenital melanocytic nevi
- 31 Vascular anomalies
- 32 Pediatric chest and trunk deformities
- 33 Pediatric tumors
- 34 Conjoined twins

Volume Four: Lower Extremity, Trunk and Burns

- 1 Comprehensive lower extremity anatomy

2 Management of lower extremity trauma

Section I: Lower Extremity Surgery

- 3.1 Lymphedema: introduction and editors' perspective
- 3.2 Imaging modalities for diagnosis and treatment of lymphedema
- 3.3 Lymphaticovenular bypass
- 3.4 Vascularized lymph node transplant
- 3.5 Debulking strategies and procedures: liposuction of leg lymphedema
- 3.6 Debulking strategies and procedures: excision
- 4 Lower extremity sarcoma reconstruction
- 5 Reconstructive surgery: lower extremity coverage
- 6.1 Diagnosis, treatment, and prevention of lower extremity pain
- 6.2 Targeted muscle reinnervation in the lower extremity
- 6.3 Lower extremity pain: regenerative peripheral nerve interfaces
- 7 Skeletal reconstruction
- 8 Foot reconstruction
- 9.1 Diabetic foot: introduction
- 9.2 Diabetic foot: management of wounds and considerations in biomechanics and amputations
- 9.3 Diabetic foot: management of vascularity and considerations in soft-tissue reconstruction

Section II: Trunk, Perineum, and Transgender

- 10 Trunk anatomy
- 11 Reconstruction of the chest
- 12 Reconstruction of the posterior trunk
- 13 Abdominal wall reconstruction
- 14.1 Gender confirmation surgery: diagnosis and management
- 14.2 Gender confirmation surgery, male to female: vaginoplasty
- 14.3 Gender affirmation surgery, female to male: phalloplasty; and correction of male genital defects
- 14.4 Breast, chest wall, and facial considerations in gender affirmation
- 15 Reconstruction of acquired vaginal defects
- 16 Pressure sores
- 17 Perineal reconstruction

Section III: Burn Surgery

- 18 Burn, chemical, and electrical injuries
- 19 Extremity burn reconstruction
- 20 Management of the burned face and neck
- 21 Pediatric burns

Volume Five: Breast

Section I: Aesthetic Breast Surgery

- 1 Preoperative assessment and planning of the aesthetic breast patient
- 2 Current status of breast implants
- 3 Primary breast augmentation with implants
- 4 Autologous fat transfer: fundamental principles and application for breast augmentation
- 5 Augmentation mastopexy
- 6 Mastopexy after massive weight loss
- 7 Prevention and management of complications following breast augmentation and mastopexy
- 8 Short scar breast reduction
- 9 Reduction mammoplasty with inverted-T techniques
- 10 Breast implant illness: diagnosis and management
- 11 Breast implant-associated anaplastic large cell lymphoma (BIA-ALCL): diagnosis and management
- 12 A critical analysis of irrigation solutions in breast surgery
- 13 Imaging and surveillance in patients with breast implants
- 14 Breast implant explantation: indications and strategies to optimize aesthetic outcomes
- 15 Management strategies for gynecomastia
- 16 Management options for gender affirmation surgery of the breast

Section II: Reconstructive Breast Surgery

- 17 Preoperative evaluation and planning for breast reconstruction following mastectomy
- 18 Perfusion assessment techniques following mastectomy and reconstruction
- 19 Introduction to prosthetic breast reconstruction
- 20 One- and two-stage prepectoral reconstruction with prosthetic devices
- 21 One-stage dual-plane reconstruction with prosthetic devices
- 22 Two-stage dual-plane reconstruction with prosthetic devices
- 23 Two-stage prosthetic reconstruction with total muscle coverage
- 24 Skin reduction using "smile mastopexy" technique in breast reconstruction
- 25 Management of complications of prosthetic breast reconstruction
- 26 Secondary refinement procedures following prosthetic breast reconstruction
- 27 Introduction to autologous breast reconstruction with abdominal free flaps
- 28 Breast reconstruction with the pedicle TRAM flap
- 29 Breast reconstruction with the latissimus dorsi flap
- 30 Breast reconstruction with the DIEP flap
- 31 Breast reconstruction with the free TRAM flap
- 32 Breast reconstruction with the superficial inferior epigastric artery (SIEA) flap

- 33 Introduction to autologous reconstruction with alternative free flaps
- 34 Gluteal free flaps for breast reconstruction
- 35 Autologous breast reconstruction with medial thigh flaps
- 36 Autologous breast reconstruction with the profunda artery perforator (PAP) flap
- 37 Autologous reconstruction with the lumbar artery perforator (LAP) free flap
- 38 Hybrid breast reconstruction: combining flaps and implants
- 39 Innervation of autologous flaps
- 40 Stacked and conjoined flaps
- 41 Management of complications following autologous breast reconstruction
- 42 Enhanced recovery after surgery (ERAS) protocols in breast surgery: techniques and outcomes
- 43 Secondary procedures following autologous reconstruction
- 44 Introduction to oncoplastic breast surgery
- 45 Partial breast reconstruction using reduction and mastopexy techniques
- 46 Oncoplastic breast reconstruction: local flap techniques
- 47 Surgical and non-surgical management of breast cancer-related lymphedema
- 48 Breast reconstruction and radiotherapy: indications, techniques, and outcomes
- 49 Robotic-assisted autologous breast reconstruction
- 50 Total breast reconstruction by external vacuum expansion (EVE) and autologous fat transfer (AFT)
- 51 Current options for nipple reconstruction

Volume Six: Hand and Upper Extremity

Introduction: Plastic surgery contributions to hand surgery

Section I: Principles of Hand Surgery

- 1 Anatomy and biomechanics of the hand
- 2 Examination of the upper extremity
- 3 Diagnostic imaging of the hand and wrist
- 4 Anesthesia for upper extremity surgery
- 5 Principles of internal fixation

Section II: Trauma Reconstruction

- 6 Nail and fingertip reconstruction
- 7 Hand fractures and joint injuries
- 8 Fractures and dislocations of the wrist and distal radius
- 9 Flexor tendon injuries and reconstruction
- 10 Extensor tendon injuries
- 11 Replantation

- 12 Reconstructive surgery of the mutilated hand
- 13 Thumb reconstruction: Non-microsurgical techniques
- 14 Thumb reconstruction: Microsurgical techniques

Section III: Specific Disorders

- 15 Infections of the hand
- 16 Tumors of the hand
- 17 Dupuytren's disease
- 18 Osteoarthritis in the hand and wrist
- 19 Rheumatologic conditions of the hand and wrist
- 20 Occupational disorders of the hand

Section IV: Nerve Disorders

- 21 Nerve entrapment syndromes
- 22 Peripheral nerve repair and reconstruction
- 23 Brachial plexus injuries: adult and pediatric
- 24 Tetraplegia
- 25 Tendon transfers
- 26 Nerve transfers
- 27 Free-functioning muscle transfer

Section V: Challenging Disorders

- 28 The ischemic hand
- 29 The spastic hand
- 30 The stiff hand
- 31 The painful hand

Section VI: Congenital Disorders

- 32 Congenital hand I: Embryology, classification, and principles
- 33 Congenital hand II: Malformations – whole limb
- 34 Congenital hand III: Malformations – abnormal axis differentiation – hand plate: proximodistal and radioulnar
- 35 Congenital hand IV: Malformations – abnormal axis differentiation – hand plate: unspecified axis
- 36 Congenital hand V: Deformations and dysplasias – variant growth
- 37 Congenital hand VI: Dysplasias – tumorous conditions
- 38 Congenital hand VII: Dysplasias – congenital contractures
- 39 Growth considerations in the pediatric upper extremity

Section VII: New Directions

- 40 Treatment of the upper extremity amputee
- 41 Upper extremity composite allotransplantation
- 42 Aesthetic hand surgery
- 43 Hand therapy