Department of Orthopedics

S.No	Name of the Fellowship	Eligibility	Duration	Fee(₹)
01	Fellowship in Joint Replacement Surgery	MS/DNB Ortho	1 yr	1,00,000
02	Fellowship in Spine Surgery	MS/DNB Ortho	1 yr	1,00,000
03	Fellowship in Endoscopic Spine Surgery	MS/DNB Ortho	1 yr	1,00,000
04	Fellowship in Arthroscopy & Sports Medicine	MS/DNB Ortho	1 yr	1,00,000
05	Fellowship in Traumatology	MS/DNB Ortho	1 yr	1,00,000
06	Fellowship in Pediatric Orthopedics	MS/DNB Ortho	1 yr	1,00,000
07	Fellowship in Ortho Oncology	MS/DNB Ortho	1 yr	1,00,000
08	Fellowship in Hand & Foot Surgery	MS/DNB Ortho, Gen Surg	1 yr	1,00,000
		M.Ch./DNB Plast surg	1 yr	1,00,000

Fellowship in Joint Replacement Surgery

Course Overview

The Fellowship in Joint Replacement Surgery is a one-year intensive program designed to train healthcare professionals in the specialized field of joint replacement procedures, including hip, knee, and shoulder arthroplasties. The course focuses on preoperative planning, surgical techniques, postoperative rehabilitation, and managing complications. It includes clinical rotations, hands-on surgical training, and research projects.

Prerequisites

Criteria	Details
Eligibility	MBBS with MS/DNB in Orthopaedics
Duration	1 Year
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- Develop expertise in joint replacement surgical techniques.
- Gain proficiency in preoperative planning and patient selection.
- Learn advanced implant selection and fixation techniques.
- Master intraoperative navigation and robotic-assisted joint replacement.
- Understand postoperative care, rehabilitation, and complication management.
- Enhance decision-making and procedural skills in joint replacement surgery.
- Conduct research in joint replacement and apply evidence-based practices.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals & Core Joint Replacement Techniques

Module	Topics Covered
Principles of Joint Replacement Surgery	Biomechanics, patient evaluation, imaging techniques
Surgical Approaches & Techniques	Anterior, posterior, and lateral approaches for hip/knee replacements
Implant Selection & Fixation	Prosthesis types, cemented vs. uncemented fixation
Intraoperative Techniques	Navigation, robotic-assisted surgery
Perioperative Management	Pain control, DVT prophylaxis, infection control
Clinical Rotations – OR & Ward	Hands-on patient care experience

Semester 2: Advanced Joint Replacement & Complication Management

Module	Topics Covered
Revision Joint Replacement Surgery	Indications, challenges, and reimplantation techniques
Complex Primary Arthroplasty	Dysplastic hips, post-traumatic arthritis
Periprosthetic Fractures & Infections	Diagnosis, management strategies
Rehabilitation & Physiotherapy	Postoperative recovery, functional outcomes
Ethical & Legal Aspects	Informed consent, medical negligence
Research Project & Case Studies	Literature review, patient studies, dissertation submission

Program Outcomes (POs)

Sr. No.	Program Outcome	Description
1	Expertise in Joint Replacement Surgery	Perform primary and complex joint replacement procedures.
2	Preoperative Planning & Imaging	Interpret radiographs, CT, and MRI for surgical planning.
3	Intraoperative Decision-Making	Utilize navigation and robotic assistance for precision.
4	Prosthesis Selection & Implantation	Optimize implant choice based on patient anatomy and pathology.
5	Complication Management	Recognize and manage perioperative complications effectively.
6	Postoperative Care & Rehabilitation	Implement evidence-based rehabilitation protocols.
7	Research & Evidence-Based Practice	Conduct clinical research and apply data-driven surgical approaches.

Course Outcomes (COs)

Sr. No.	Course Outcome	Description
1	Joint Replacement Techniques	Gain expertise in hip, knee, and shoulder arthroplasties.
2	Advanced Surgical Navigation	Learn robotic-assisted and computer-guided techniques.
3	Prosthetic Design & Implantation	Understand biomechanics and implant selection.
4	Periprosthetic Fracture & Infection Management	Diagnose and manage complications efficiently.
5	Postoperative Rehabilitation	Implement early mobilization and functional

Sr. No.	Course Outcome	Description
		recovery protocols.
6	Research & Case Studies	Conduct research and present case-based learning.

Credits & Assessment Methods
Total Credits: 40

Component	Credits
Theory & Lectures	10
Clinical Rotations & Case Studies	10
Hands-on Training & Procedures	10
Research & Dissertation	10

Assessment Pattern

Assessment Type	Weightage
Theory Examination (MCQs, Long & Short Answer)	30%
Clinical & Practical Exam (Case-Based Discussion, OSCE)	30%
Clinical Logbook & Case Reports	20%
Research Presentation & Dissertation	20%

Passing Criteria: Minimum 50% in each component to qualify.

Exam Pattern
Theory Examination

- Section A (MCQs – 30 Marks)
- Section B (Short Answer Questions – 30 Marks)
- Section C (Long Answer Questions – 40 Marks)

Practical Examination

Component	Details	Marks
Clinical Case Presentation	Diagnosis & Management of Joint Replacement Cases	40
Advanced Surgical Skills	Robotic-Assisted Surgery, Navigation Techniques	50
Prosthesis Selection & Fixation	Implant positioning, cementing techniques	30
OSCE	Clinical Scenarios, Skill Demonstration	40
Complication Management	Fractures, Infections, Dislocation Cases	40

Viva Voce (Oral Examination) (Total: 100 Marks)

Component	Details	Marks
Case Presentations	Discussion on Joint Replacement Cases	50
Recent Advances in Arthroplasty	Journal Article Discussion	20
Ethical & Legal Considerations	Medical Ethics in Surgery	30

Research/Dissertation Submission (Total: 100 Marks)

Component	Marks
Originality & Scientific Merit	30
Methodology & Data Analysis	30
Presentation & Discussion	20
Conclusion & Clinical Relevance	20

Final Weightage & Passing Criteria

Exam Component	Total Marks	Minimum Passing Marks
Theory (Paper 1 & 2)	200	50% (100/200)
Practical Exam	200	50% (100/200)
Viva Voce	100	50% (50/100)
Dissertation	100	50% (50/100)
Total (Overall)	**600**	**50% Aggregate Required**

Additional Notes

- To pass the fellowship, a minimum of 50% marks in each section (Theory, Practical, Viva, and Dissertation) is required.
- Distinction: Candidates scoring 75% and above will be awarded "Distinction."
- Failure in Practical or Viva: If a candidate fails in the practical or viva, they must reappear for the failed component in the next examination cycle.

Recommended Books & E-Resources
Textbooks:

- Insall& Scott Surgery of the Knee – W. Norman Scott
- Campbell's Operative Orthopaedics – Frederick Azar
- The Adult Hip – John Callaghan
- Techniques in Revision Hip and Knee Arthroplasty – Giles R. Scuderi

Journals & E-Resources:

- The Journal of Bone and Joint Surgery (JBJS) – https://www.jbjs.org/
- The Bone & Joint Journal – https://boneandjoint.org.uk/
- Clinical Orthopaedics and Related Research – https://journals.lww.com/corr
- The Knee Journal – https://www.thekneejournal.com/

Fellowship in Spine Surgery

Course Overview

The Fellowship in Spine Surgery is a one-year intensive program designed to train healthcare professionals in the specialized management of spinal disorders, including degenerative conditions, trauma, infections, tumors, and deformities. The course focuses on surgical techniques, minimally invasive procedures, spinal instrumentation, and perioperative patient care. It includes clinical rotations, hands-on training, and research projects.

Prerequisites

Criteria	Details
Eligibility	MBBS with MS/DNB in Orthopaedics / Neurosurgery
Duration	1 Year
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- Develop expertise in the diagnosis and surgical management of spinal disorders.
- Gain proficiency in minimally invasive spine surgery and endoscopic techniques.
- Master the use of spinal instrumentation and fusion procedures.
- Learn perioperative and postoperative care of spinal surgery patients.
- Understand the biomechanics of the spine and its surgical implications.
- Enhance decision-making and procedural skills in spine surgery.
- Conduct research in spinal surgery and apply evidence-based practices.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals & Core Spine Surgery

Module	Topics Covered
Principles of Spine Surgery	Spinal anatomy, biomechanics, imaging techniques
Spinal Trauma & Emergency Management	Fractures, dislocations, spinal cord injuries
Degenerative Spine Disorders	Disc herniation, spinal stenosis, spondylolisthesis
Minimally Invasive Spine Surgery	Endoscopic and percutaneous techniques
Clinical Rotations – OR & Ward	Hands-on patient care experience

Semester 2: Advanced Spine Surgery & Critical Procedures

Module	Topics Covered
Spinal Tumors & Infections	Diagnosis, surgical management, and rehabilitation
Pediatric & Adult Spinal Deformities	Scoliosis, kyphosis, correction procedures
Spinal Instrumentation & Fusion	Pedicle screws, interbody fusion, stabilization
Perioperative Management	Pain management, rehabilitation, physiotherapy
Ethical & Legal Aspects	Informed consent, medico-legal considerations
Research Project & Case Studies	Literature review, patient studies, dissertation submission

Program Outcomes

Program Outcome	Description
Proficiency in Spine Surgery	Perform surgical management for various spinal disorders.
Expertise in Minimally Invasive Techniques	Master endoscopic, percutaneous, and MIS approaches.
Spinal Instrumentation & Fusion	Gain hands-on experience in stabilization techniques.
Management of Spinal Trauma	Diagnose and treat traumatic spinal injuries effectively.
Pediatric & Adult Deformities	Handle complex spinal deformities and correction procedures.

Course Outcomes

Course Outcome	Description
Spine Surgery Techniques	Learn advanced procedures for trauma, degenerative, and tumor cases.
Minimally Invasive Surgery	Develop skills in MIS, endoscopic, and percutaneous spine surgery.
Spinal Instrumentation	Gain expertise in pedicle screw fixation, interbody fusion, and stabilization.
Perioperative & Postoperative Care	Master pain management, physiotherapy, and rehabilitation strategies.
Research & Evidence-Based Practice	Conduct research and case studies in spinal surgery.

Credits & Assessment Methods Total Credits: 40

Component	Credits
Theory & Lectures	10
Clinical Rotations & Case Studies	10
Hands-on Training & Procedures	10
Research & Dissertation	10

Assessment Pattern

Assessment Type	Weightage
Theory Examination (MCQs, Long & Short Answer)	30%
Clinical & Practical Exam (Case-Based Discussion, OSCE)	30%
Clinical Logbook & Case Reports	20%
Research Presentation & Dissertation	20%

Passing Criteria: Minimum 50% in each component to qualify.

Exam Pattern

Theory Examination

- Section A (MCQs – 30 Marks)
- Section B (Short Answer Questions – 30 Marks)
- Section C (Long Answer Questions – 40 Marks)

Practical Examination

Component	Details	Marks
Clinical Case Presentation	Diagnosis & Management of Spinal Disorders	40
Minimally Invasive Spine Surgery	Endoscopic and Percutaneous Techniques	50
Spinal Instrumentation	Pedicle Screw Fixation, Interbody Fusion	30
OSCE	Clinical Scenarios, Skill Demonstration	40
Trauma & Deformity Correction	Surgical Planning & Execution	40

Viva Voice (Oral Examination) (Total: 100 Marks)

Component	Details	Marks
Case Presentations	Discussion on Spine Surgery Cases	50
Recent Advances in Spine Surgery	Journal Article Discussion	20
Ethical & Legal Considerations	Medical Ethics in Surgery	30

Research/Dissertation Submission (Total: 100 Marks)

Component	Marks
Originality & Scientific Merit	30
Methodology & Data Analysis	30
Presentation & Discussion	20
Conclusion & Clinical Relevance	20

Final Weightage & Passing Criteria

Exam Component	Total Marks	Minimum Passing Marks
Theory (Paper 1 & 2)	200	50% (100/200)
Practical Exam	200	50% (100/200)
Viva Voce	100	50% (50/100)
Dissertation	100	50% (50/100)
Total (Overall)	**600**	**50% Aggregate Required**

Additional Notes

- To pass the fellowship, a minimum of 50% marks in each section (Theory, Practical, Viva, and Dissertation) is required.
- Distinction: Candidates scoring 75% and above will be awarded "Distinction."
- Failure in Practical or Viva: If a candidate fails in the practical or viva, they must reappear for the failed component in the next examination cycle.

Recommended Books & E-Resources

Textbooks:

- **Weinstein's The Spine – Harry N. Herkowitz**
- **Surgical Approaches to the Spine – Robert G. Watkins**
- **Principles and Practice of Spine Surgery – Alexander R. Vaccaro**
- **Minimally Invasive Spine Surgery – Roger Haertl& Dieter Heidrich**
- **Atlas of Spinal Operations – Alexander Vaccaro**

Journals & E-Resources:

- **Journal of Neurosurgery: Spine – https://thejns.org/spine**
- **Spine Journal – https://www.spinejournal.com/**
- **Global Spine Journal – https://journals.sagepub.com/home/gsj**
- **European Spine Journal – https://www.europeanspinejournal.org/**
- **North American Spine Society (NASS) – https://www.spine.org/**

Fellowship in Endoscopic Spine Surgery

Course Overview

The Fellowship in Endoscopic Spine Surgery is a one-year specialized program designed to train healthcare professionals in minimally invasive spine surgery techniques. The program emphasizes endoscopic approaches for spinal disorders, advanced imaging guidance, and patient-centered care. It includes clinical rotations, hands-on training, and research components.

Prerequisites

Criteria	Details
Eligibility	MBBS with MS/DNB in Orthopaedics or MCh/DNB in Neurosurgery
Duration	1 Year
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- Develop expertise in endoscopic techniques for spinal disorders.
- Gain proficiency in fluoroscopic and endoscopic navigation.
- Learn patient selection criteria for endoscopic spine surgery.
- Master minimally invasive decompression and fusion procedures.
- Understand complication management and postoperative care.
- Conduct research and apply evidence-based practices in spine surgery.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals & Core Endoscopic Spine Surgery

Module	Topics Covered
Principles of Endoscopic Spine Surgery	Spinal anatomy, indications, patient selection
Imaging & Navigation	Fluoroscopic guidance, MRI/CT correlation
Endoscopic Discectomy	Techniques for lumbar and cervical discectomy
Spinal Decompression	Foraminoplasty, laminotomy, lateral recess decompression
Clinical Rotations – OR & OPD	Hands-on patient care experience

Semester 2: Advanced Techniques & Complication Management

Module	Topics Covered
Endoscopic Fusion Techniques	Minimally invasive TLIF, interbody fusion
Advanced Instrumentation	Endoscopic tools, navigation systems
Pain Management & Rehabilitation	Postoperative pain control, physiotherapy
Complications & Revision Surgery	Identifying and managing intraoperative complications
Research Project & Case Studies	Literature review, patient studies, dissertation submission

Program Outcomes

Program Outcome	Description
Expertise in Endoscopic Spine Surgery	Perform endoscopic procedures for degenerative spine conditions.
Proficiency in Imaging & Navigation	Utilize imaging techniques for precision and safety.
Mastery of Minimally Invasive Techniques	Reduce surgical morbidity and recovery time.
Complication Management	Address intraoperative and postoperative complications effectively.
Evidence-Based Practice	Conduct and apply research in endoscopic spine surgery.

Course Outcome

Course Outcome	Description
Endoscopic Discectomy	Learn advanced discectomy techniques for lumbar and cervical spine.
Imaging & Navigation	Gain expertise in fluoroscopic guidance and endoscopic visualization.
Spinal Decompression	Master techniques for foraminal stenosis and herniated discs.
Endoscopic Fusion Procedures	Understand the principles of interbody fusion in minimally invasive spine surgery.
Complication Management	Develop skills to handle surgical and postoperative complications.

Credits & Assessment Methods Total Credits: 40

Component	Credits
Theory & Lectures	10
Clinical Rotations & Case Studies	10
Hands-on Training & Procedures	10
Research & Dissertation	10

Assessment Pattern

Assessment Type	Weightage
Theory Examination (MCQs, Long & Short Answer)	30%
Clinical & Practical Exam (Case-Based Discussion, OSCE)	30%
Clinical Logbook & Case Reports	20%
Research Presentation & Dissertation	20%

Passing Criteria: Minimum 50% in each component to qualify.

Exam PatternTheory Examination

- Section A (MCQs – 30 Marks)
- Section B (Short Answer Questions – 30 Marks)
- Section C (Long Answer Questions – 40 Marks)

Practical Examination

Component	Details	Marks
Clinical Case Presentation	Diagnosis & Management of Spine Surgery Cases	40
Endoscopic Techniques	Discectomy, decompression	50
Imaging & Navigation	Fluoroscopic and endoscopic guidance	30
OSCE	Clinical Scenarios, Skill Demonstration	40
Complication Management	Intraoperative and postoperative management	40

Viva Voice (Oral Examination) (Total: 100 Marks)

Component	Details	Marks
Case Presentations	Discussion on Endoscopic Spine Surgery Cases	50
Recent Advances in Spine Surgery	Journal Article Discussion	20
Ethical & Legal Considerations	Medical Ethics in Spine Surgery	30

Research/Dissertation Submission (Total: 100 Marks)

Component	Marks
Originality & Scientific Merit	30
Methodology & Data Analysis	30
Presentation & Discussion	20
Conclusion & Clinical Relevance	20

Final Weightage & Passing Criteria

Exam Component	Total Marks	Minimum Passing Marks
Theory (Paper 1 & 2)	200	50% (100/200)
Practical Exam	200	50% (100/200)
Viva Voce	100	50% (50/100)
Dissertation	100	50% (50/100)
Total (Overall)	**600**	**50% Aggregate Required**

Additional Notes

- To pass the fellowship, a minimum of 50% marks in each section (Theory, Practical, Viva, and Dissertation) is required.
- Distinction: Candidates scoring 75% and above will be awarded "Distinction."
- Failure in Practical or Viva: If a candidate fails in the practical or viva, they must reappear for the failed component in the next examination cycle.

Recommended Books & E-ResourcesTextbooks:

- Endoscopic Spine Surgery and Instrumentation – Daniel H. Kim
- Principles and Practice of Spine Surgery – Alexander R. Vaccaro
- Minimally Invasive Spine Surgery: A Practical Guide to Anatomy and Techniques – Burkhard Mohr
- The Lumbar Spine – Harry N. Herkowitz
- Advanced Techniques in Minimally Invasive Spine Surgery – Juan S. Uribe

Journals & E-Resources:

- Global Spine Journal – https://journals.sagepub.com/home/gsj
- Journal of Neurosurgery: Spine – https://thejns.org/spine
- Spine – https://journals.lww.com/spinejournal
- European Spine Journal – https://link.springer.com/journal/586
- North American Spine Society (NASS) – https://www.spine.org/

Fellowship in Arthroscopy & Sports Medicine

Course Overview

The Fellowship in Arthroscopy & Sports Medicine is a one-year specialized training program designed to provide in-depth knowledge and hands-on experience in minimally invasive joint surgeries and sports injury management. The program covers diagnostic and therapeutic arthroscopy, rehabilitation protocols, and sports injury prevention. The course includes clinical rotations, surgical training, and research projects.

Prerequisites

Criteria	Details
Eligibility	MBBS with MS/DNB in Orthopaedics
Duration	1 Year
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- Develop proficiency in arthroscopic techniques for major joints.
- Gain expertise in managing sports injuries and rehabilitation strategies.
- Understand preoperative and postoperative patient care for arthroscopic surgeries.
- Learn biomechanical principles related to sports injuries.
- Enhance decision-making skills in minimally invasive orthopedic procedures.
- Conduct research in sports medicine and arthroscopy.

Curriculum with Semester-wise Syllabus & Modules

The one-year program is structured into two semesters, covering theoretical concepts, clinical training, and research.

Semester 1: Fundamentals & Core Arthroscopy

Module	Topics Covered
Introduction to Arthroscopy	History, Principles, Instrumentation
Shoulder Arthroscopy	Rotator cuff repair, labral tear management
Knee Arthroscopy	ACL & PCL reconstruction, meniscal repairs
Hip Arthroscopy	Labral tears, femoroacetabular impingement
Basic Sports Medicine	Common sports injuries, biomechanics
Clinical Rotations	Hands-on experience in OPD & OT

Semester 2: Advanced Arthroscopy & Sports Injury Management

Module	Topics Covered
Advanced Knee Arthroscopy	Multi-ligamentous injuries, cartilage restoration
Elbow & Ankle Arthroscopy	Ligament reconstruction, tendinopathies
Rehabilitation & Return to Play	Physiotherapy protocols, injury prevention
Sports-Specific Injuries	Management of football, basketball, and cricket injuries
Ethical & Legal Aspects	Consent, medical negligence
Research & Case Studies	Literature review, case studies, dissertation submission

Program Outcomes

Program Outcome	Description
Proficiency in Arthroscopic Procedures	Perform diagnostic and therapeutic arthroscopy of major joints.
Expertise in Sports Injury Management	Manage acute and chronic sports injuries effectively.
Knowledge of Rehabilitation Strategies	Develop and implement rehabilitation protocols.
Decision-Making in Sports Medicine	Assess and treat injuries based on evidence-based guidelines.
Research & Innovation	Conduct clinical research and contribute to advancements in the field.

Course Outcomes

Course Outcome	Description
Shoulder & Knee Arthroscopy Techniques	Perform arthroscopic interventions for common joint disorders.
Management of Ligament & Tendon Injuries	Diagnose and treat ligament tears and tendon injuries.
Advanced Surgical Techniques	Gain proficiency in ACL/PCL reconstruction and cartilage restoration.
Rehabilitation & Return to Play	Design post-surgical rehabilitation protocols.
Sports-Specific Injury Care	Implement injury prevention and performance enhancement strategies.

Credits & Assessment Methods
Total Credits: 40

Component	Credits
Theory & Lectures	10
Clinical Rotations & Case Studies	10
Hands-on Training & Procedures	10
Research & Dissertation	10

Assessment Pattern

Assessment Type	Weightage
Theory Examination (MCQs, Long & Short Answer)	30%
Clinical & Practical Exam (Case-Based Discussion, OSCE)	30%
Clinical Logbook & Case Reports	20%
Research Presentation & Dissertation	20%

Passing Criteria: Minimum 50% in each component to qualify.

Exam Pattern
Theory Examination

- Section A (MCQs – 30 Marks)
- Section B (Short Answer Questions – 30 Marks)
- Section C (Long Answer Questions – 40 Marks)

Practical Examination

Component	Details	Marks
Clinical Case Presentation	Diagnosis & Management of Sports Injuries	40
Arthroscopic Procedures	ACL Reconstruction, Meniscal Repair	50
Rehabilitation Planning	Injury Recovery Strategies	30
OSCE	Clinical Scenarios, Skill Demonstration	40
Return to Play Assessment	Functional Testing for Athletes	40

Viva Voice (Oral Examination) (Total: 100 Marks)

Component	Details	Marks
Case Presentations	Discussion on Sports Medicine Cases	50
Recent Advances in Arthroscopy	Journal Article Discussion	20
Ethical & Legal Considerations	Medical Ethics in Sports Medicine	30

Research/Dissertation Submission (Total: 100 Marks)

Component	Marks
Originality & Scientific Merit	30
Methodology & Data Analysis	30
Presentation & Discussion	20
Conclusion & Clinical Relevance	20

Final Weightage & Passing Criteria

Exam Component	Total Marks	Minimum Passing Marks
Theory (Paper 1 & 2)	200	50% (100/200)
Practical Exam	200	50% (100/200)
Viva Voce	100	50% (50/100)
Dissertation	100	50% (50/100)
Total (Overall)	**600**	**50% Aggregate Required**

Additional Notes

- To pass the fellowship, a minimum of 50% marks in each section (Theory, Practical, Viva, and Dissertation) is required.
- Distinction: Candidates scoring 75% and above will be awarded "Distinction."
- Failure in Practical or Viva: If a candidate fails in the practical or viva, they must reappear for the failed component in the next examination cycle.

Recommended Books & E-Resources
Textbooks:

- Essentials of Arthroscopic Surgery – John D. Kelly IV
- Operative Techniques in Sports Medicine – Mark D. Miller
- Principles of Sports Medicine – William E. Garrett
- Rehabilitation of Sports Injuries – Walter R. Frontera
- Clinical Sports Medicine – Peter Brukner& Karim Khan

Journals & E-Resources:

- The American Journal of Sports Medicine – https://journals.sagepub.com/home/ajs
- Arthroscopy: The Journal of Arthroscopic & Related Surgery – https://www.arthroscopyjournal.org/
- British Journal of Sports Medicine – https://bjsm.bmj.com/
- European Journal of Sports Science – https://www.ejss-journal.com/
- International Society of Arthroscopy, Knee Surgery &Orthopaedic Sports Medicine – https://www.isakos.com/

Fellowship in Traumatology

Course Overview

The Fellowship in Traumatology is a one-year intensive program designed to train healthcare professionals in the specialized management of trauma and emergency care. The course focuses on acute trauma resuscitation, surgical interventions, polytrauma management, and rehabilitation. It includes clinical rotations, simulation training, and research projects.

Prerequisites

Criteria	Details
Eligibility	MBBS with MS/DNB in Orthopaedics / General Surgery / Emergency Medicine
Duration	1 Year
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- Develop expertise in trauma assessment and resuscitation protocols.
- Gain proficiency in surgical and non-surgical management of trauma cases.
- Learn advanced airway management and ventilatory support techniques.
- Understand the principles of damage control surgery and fracture stabilization.
- Master multidisciplinary trauma care and rehabilitation strategies.
- Enhance decision-making and procedural skills in trauma scenarios.
- Conduct research in trauma care and apply evidence-based practices.

Curriculum with Semester-wise Syllabus & Modules

The one-year program is structured into two semesters, covering theoretical concepts, clinical training, and research.

Semester 1: Fundamentals & Core Traumatology

Module	Topics Covered
Principles of Trauma Care	ATLS, damage control resuscitation, shock management
Polytrauma Management	Head, chest, abdominal, and pelvic trauma
Fracture & Dislocation Management	Closed/open reduction, external fixation
Neurotrauma	Spinal cord injuries, intracranial pressure management
Critical Care & Emergency Procedures	Airway management, ventilation, vascular access
Clinical Rotations – ER, ICU & OR	Hands-on patient care experience

Semester 2: Advanced Traumatology & Specialized Procedures

Module	Topics Covered
Complex Fracture Fixation	Internal fixation, minimally invasive surgery
Pediatric & Geriatric Trauma	Special considerations in elderly and children
Sports & Occupational Injuries	Ligament tears, work-related fractures
Rehabilitation & Post-Trauma Care	Physiotherapy, prosthetics, pain management
Ethical & Legal Aspects	Medicolegal cases, informed consent
Research Project & Case Studies	Literature review, patient studies, dissertation submission

Program Outcomes

Program Outcome	Description
Proficiency in Trauma Care	Perform trauma assessment, stabilization, and emergency management.
Advanced Surgical Techniques	Manage fractures and trauma-related surgeries effectively.
Expertise in Polytrauma Management	Handle multi-system injuries with evidence-based interventions.
Neurotrauma& Spine Trauma Care	Provide specialized care for head and spinal cord injuries.
Rehabilitation & Recovery	Implement post-trauma rehabilitation strategies.

Course Outcomes

Course Outcome	Description
Trauma Resuscitation	Apply ATLS protocols and critical care management.
Fracture Fixation Techniques	Perform open and closed reduction techniques.
Surgical & Non-Surgical Trauma Care	Manage cases with appropriate intervention.
Multidisciplinary Trauma Management	Work in collaboration with emergency and surgical teams.
Research in Trauma	Conduct trauma-related clinical research and case studies.

Credits & Assessment Methods
Total Credits: 40

Component	Credits
Theory & Lectures	10
Clinical Rotations & Case Studies	10
Hands-on Training & Procedures	10
Research & Dissertation	10

Assessment Pattern

Assessment Type	Weightage
Theory Examination (MCQs, Long & Short Answer)	30%
Clinical & Practical Exam (Case-Based Discussion, OSCE)	30%
Clinical Logbook & Case Reports	20%
Research Presentation & Dissertation	20%

Passing Criteria: Minimum 50% in each component to qualify.

Exam Pattern
Theory Examination

- Section A (MCQs – 30 Marks)
- Section B (Short Answer Questions – 30 Marks)
- Section C (Long Answer Questions – 40 Marks)

Practical Examination

Component	Details	Marks
Clinical Case Presentation	Trauma patient assessment & management	40
Surgical Techniques	Fracture fixation, external/internal fixation	50
Emergency Procedures	Airway, vascular access, ventilatory support	30
OSCE	Clinical Scenarios, Skill Demonstration	40
Polytrauma Management	Case-based discussions	40

Viva Voice (Oral Examination) (Total: 100 Marks)

Component	Details	Marks
Case Presentations	Discussion on trauma management cases	50
Recent Advances in Trauma Care	Journal Article Discussion	20
Ethical & Legal Considerations	Medicolegal case handling	30

Research/Dissertation Submission (Total: 100 Marks)

Component	Marks
Originality & Scientific Merit	30
Methodology & Data Analysis	30
Presentation & Discussion	20
Conclusion & Clinical Relevance	20

Final Weightage & Passing Criteria

Exam Component	Total Marks	Minimum Passing Marks
Theory (Paper 1 & 2)	200	50% (100/200)
Practical Exam	200	50% (100/200)
Viva Voce	100	50% (50/100)
Dissertation	100	50% (50/100)
Total (Overall)	**600**	**50% Aggregate Required**

Additional Notes

- To pass the fellowship, a minimum of 50% marks in each section (Theory, Practical, Viva, and Dissertation) is required.
- Distinction: Candidates scoring 75% and above will be awarded "Distinction."
- Failure in Practical or Viva: If a candidate fails in the practical or viva, they must reappear for the failed component in the next examination cycle.

Recommended Books & E-Resources
Textbooks:

- Trauma, 9th Edition – Kenneth L. Mattox
- Advanced Trauma Life Support (ATLS) Guidelines – American College of Surgeons
- Orthopaedic Trauma Protocols – Sigvard T. Hansen
- Principles of Trauma Therapy – John Briere

Journals & E-Resources:

- Journal of Trauma and Acute Care Surgery – https://journals.lww.com/jtrauma
- European Journal of Trauma and Emergency Surgery – https://www.springer.com/journal/68
- World Journal of Emergency Surgery – https://wjes.biomedcentral.com/
- Trauma Surgery & Acute Care Open – https://tsaco.bmj.com/

Fellowship in Pediatric Orthopedics

Course Overview

The Fellowship in Pediatric Orthopedics is a one-year intensive program designed to train healthcare professionals in the diagnosis, treatment, and management of musculoskeletal disorders in children. The course covers congenital deformities, trauma, neuromuscular disorders, spinal conditions, and sports injuries in pediatric patients. It includes clinical rotations, surgical training, research projects, and case discussions.

Prerequisites

Criteria	Details
Eligibility	MBBS with MS/DNB in Orthopedics
Duration	1 Year
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- Develop expertise in pediatric orthopedic conditions and their management.
- Gain proficiency in the surgical and non-surgical treatment of pediatric musculoskeletal disorders.
- Master the techniques of pediatric trauma management and post-operative care.
- Understand the principles of growth and development in pediatric patients.
- Enhance decision-making and procedural skills in pediatric orthopedic surgeries.
- Conduct research and apply evidence-based practices in pediatric orthopedics.

Curriculum with Semester-wise Syllabus & Modules The one-year program is structured into two semesters, covering theoretical concepts, clinical training, and research.

Semester 1: Fundamentals of Pediatric Orthopedics

Module	Topics Covered
Growth & Development	Pediatric bone growth, skeletal maturity, congenital deformities
Pediatric Trauma	Fracture patterns, treatment strategies, complications
Neuromuscular Disorders	Cerebral palsy, muscular dystrophy, spina bifida
Pediatric Hip Disorders	DDH, Perthes disease, SCFE
Pediatric Spinal Disorders	Scoliosis, kyphosis, spinal infections
Clinical Rotations	Outpatient clinics, inpatient care, case presentations

Semester 2: Advanced Pediatric Orthopedics & Surgical Procedures

Module	Topics Covered
Pediatric Sports Injuries	Common injuries, rehabilitation, prevention
Limb Length Discrepancy	Assessment, correction techniques
Clubfoot & Foot Deformities	Ponseti method, surgical correction
Pediatric Oncology	Bone tumors, limb salvage techniques
Ethical & Legal Aspects	Informed consent, medico-legal issues
Research Project & Case Studies	Literature review, patient studies, dissertation submission

Program Outcomes

Program Outcome	Description
Expertise in Pediatric Orthopedics	Diagnose and manage pediatric orthopedic conditions effectively.
Surgical & Non-Surgical Management	Perform procedures for trauma, congenital deformities, and musculoskeletal disorders.
Pediatric Trauma Care	Understand and apply fracture fixation techniques in children.
Advanced Decision-Making	Develop treatment plans based on pediatric growth and development principles.
Research & Evidence-Based Practice	Conduct clinical research and apply findings in practice.

Course Outcomes

Course Outcome	Description
Pediatric Trauma Management	Learn techniques for pediatric fractures and post-operative care.
Congenital Deformity Corrections	Master surgical and non-surgical management of congenital disorders.
Pediatric Sports Medicine	Understand injury prevention, treatment, and rehabilitation.
Spine & Hip Disorders	Diagnose and treat pediatric scoliosis, hip dysplasia, and related conditions.
Research & Case Studies	Develop clinical research skills and present findings effectively.

Credits & Assessment Methods Total Credits: 40

Component	Credits
Theory & Lectures	10
Clinical Rotations & Case Studies	10
Hands-on Training & Procedures	10
Research & Dissertation	10

Assessment Pattern

Assessment Type	Weightage
Theory Examination (MCQs, Long & Short Answer)	30%
Clinical & Practical Exam (Case-Based Discussion, OSCE)	30%
Clinical Logbook & Case Reports	20%
Research Presentation & Dissertation	20%

Passing Criteria: Minimum 50% in each component to qualify.

Exam Pattern

Theory Examination

- Section A (MCQs – 30 Marks)
- Section B (Short Answer Questions – 30 Marks)
- Section C (Long Answer Questions – 40 Marks)

Practical Examination

Component	Details	Marks
Clinical Case Presentation	Diagnosis & Management of Pediatric Orthopedic Cases	40
Trauma & Fracture Management	Pediatric Fracture Fixation	50
Neuromuscular Disorders	Assessment & Treatment	30
OSCE	Clinical Scenarios, Skill Demonstration	40
Surgical Skills	Clubfoot Correction, Hip Surgery	40

Viva Voice (Oral Examination) (Total: 100 Marks)

Component	Details	Marks
Case Presentations	Discussion on Pediatric Orthopedic Cases	50
Recent Advances	Journal Article Discussion	20
Ethical & Legal Considerations	Medical Ethics in Pediatric Orthopedics	30

Research/Dissertation Submission (Total: 100 Marks)

Component	Marks
Originality & Scientific Merit	30
Methodology & Data Analysis	30
Presentation & Discussion	20
Conclusion & Clinical Relevance	20

Final Weightage & Passing Criteria

Exam Component	Total Marks	Minimum Passing Marks
Theory (Paper 1 & 2)	200	50% (100/200)
Practical Exam	200	50% (100/200)
Viva Voce	100	50% (50/100)
Dissertation	100	50% (50/100)
Total (Overall)	**600**	**50% Aggregate Required**

Additional Notes

- To pass the fellowship, a minimum of 50% marks in each section (Theory, Practical, Viva, and Dissertation) is required.
- Distinction: Candidates scoring 75% and above will be awarded "Distinction."
- Failure in Practical or Viva: If a candidate fails in the practical or viva, they must reappear for the failed component in the next examination cycle.

Recommended Books & E-Resources

Textbooks:

- Tachdjian's Pediatric Orthopaedics – John A. Herring
- Lovell and Winter's Pediatric Orthopaedics – Stuart L. Weinstein
- Rockwood and Wilkins' Fractures in Children – James H. Beaty
- Mercer's Textbook of Orthopaedics and Trauma – SureshanSivananthan
- Principles of Pediatric Orthopaedics – Dennis Wenger

Journals & E-Resources:

- Journal of Pediatric Orthopaedics – https://journals.lww.com/jpo/
- Clinical Orthopaedics and Related Research – https://journals.lww.com/corr/
- The Bone & Joint Journal – https://boneandjoint.org.uk/
- Pediatric Orthopedic Society of North America (POSNA) – https://www.posna.org/
- European Pediatric Orthopedic Society (EPOS) – https://www.epos.org/

Fellowship in Ortho Oncology

Course Overview

The Fellowship in Ortho Oncology is a one-year specialized program aimed at training healthcare professionals in the diagnosis, surgical management, and multidisciplinary care of musculoskeletal tumors. The course focuses on limb salvage surgeries, bone and soft tissue sarcomas, metastatic bone disease, and reconstructive techniques. The program includes clinical rotations, hands-on training, research projects, and exposure to oncological rehabilitation.

Prerequisites

Criteria	Details
Eligibility	MBBS with MS/DNB in Orthopedics
Duration	1 Year
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- Develop expertise in diagnosing and managing musculoskeletal tumors.
- Gain proficiency in limb salvage procedures and reconstructive techniques.
- Understand oncological principles and multidisciplinary approaches.
- Learn techniques for biopsy, tumor excision, and prosthetic reconstructions.
- Manage metastatic bone diseases and palliative surgical interventions.
- Conduct research in orthopedic oncology and apply evidence-based practices.

Curriculum with Semester-wise Syllabus & Modules The one-year program is structured into two semesters, covering theoretical concepts, clinical training, and research.

Semester 1: Fundamentals & Core Ortho Oncology

Module	Topics Covered
Principles of Orthopedic Oncology	Bone & soft tissue tumors, biopsy techniques
Tumor Pathology	Classification, staging, imaging techniques
Limb Salvage Surgery	Indications, surgical techniques, endoprosthesis
Metastatic Bone Disease	Diagnosis, management strategies, radiation therapy
Chemotherapy & Radiotherapy	Role in orthopedic oncology, side effects
Clinical Rotations	Exposure to tumor board discussions and patient management

Semester 2: Advanced Ortho Oncology & Reconstructive Procedures

Module	Topics Covered
Advanced Limb Salvage Techniques	Mega-prosthesis, allografts, custom implants
Pediatric Bone Tumors	Ewing's sarcoma, osteosarcoma management
Soft Tissue Sarcomas	Surgical excision, reconstruction, flap coverage
Amputation & Rehabilitation	Prosthetic fitting, rehabilitation protocols
Ethical & Legal Aspects	Patient consent, palliative care considerations
Research Project & Case Studies	Literature review, patient case analysis, dissertation submission

Program Outcomes

Program Outcome	Description
Expertise in Ortho Oncology	Diagnose and manage primary and metastatic musculoskeletal tumors.
Limb Salvage Surgery	Perform advanced surgical techniques for limb preservation.
Multidisciplinary Approach	Collaborate with oncologists, radiologists, and physiotherapists for comprehensive care.
Reconstructive Techniques	Utilize prosthetic and allograft reconstruction for functional rehabilitation.
Palliative & Metastatic Care	Manage metastatic bone diseases with surgical and non-surgical interventions.
Research & Evidence-Based Practice	Contribute to clinical research and improve oncological outcomes.

Course Outcomes

Course Outcome	Description
Tumor Diagnosis & Staging	Identify and classify bone and soft tissue tumors accurately.
Surgical & Non-Surgical Management	Plan and execute treatment strategies based on tumor type and stage.
Advanced Surgical Techniques	Gain proficiency in complex limb salvage procedures.
Chemotherapy & Radiotherapy	Understand adjuvant therapy protocols and their impact on surgical outcomes.
Rehabilitation & Long-term Care	Ensure functional recovery through personalized rehabilitation plans.

Credits & Assessment Methods Total Credits: 40

Component	Credits
Theory & Lectures	10
Clinical Rotations & Case Studies	10
Hands-on Training & Procedures	10
Research & Dissertation	10

Assessment Pattern

Assessment Type	Weightage
Theory Examination (MCQs, Long & Short Answer)	30%
Clinical & Practical Exam (Case-Based Discussion, OSCE)	30%
Clinical Logbook & Case Reports	20%
Research Presentation & Dissertation	20%

Passing Criteria: Minimum 50% in each component to qualify.

Exam Pattern

Theory Examination

- Section A (MCQs – 30 Marks)
- Section B (Short Answer Questions – 30 Marks)
- Section C (Long Answer Questions – 40 Marks)

Practical Examination

Component	Details	Marks
Clinical Case Presentation	Diagnosis & Management of Ortho Oncology Cases	40
Surgical Techniques	Tumor excision, biopsy, reconstruction	50
Imaging & Pathology Interpretation	X-ray, MRI, CT, histopathology correlation	30
OSCE	Clinical Scenarios, Skill Demonstration	40
Limb Salvage & Prosthetics	Surgical planning & execution	40

Viva Voice (Oral Examination) (Total: 100 Marks)

Component	Details	Marks
Case Presentations	Discussion on Ortho Oncology Cases	50
Recent Advances in Ortho Oncology	Journal Article Discussion	20
Ethical & Legal Considerations	Medical Ethics in Oncology	30

Research/Dissertation Submission (Total: 100 Marks)

Component	Marks
Originality & Scientific Merit	30
Methodology & Data Analysis	30
Presentation & Discussion	20
Conclusion & Clinical Relevance	20

Final Weightage & Passing Criteria

Exam Component	Total Marks	Minimum Passing Marks
Theory (Paper 1 & 2)	200	50% (100/200)
Practical Exam	200	50% (100/200)
Viva Voce	100	50% (50/100)
Dissertation	100	50% (50/100)
Total (Overall)	**600**	**50% Aggregate Required**

Additional Notes

- To pass the fellowship, a minimum of 50% marks in each section (Theory, Practical, Viva, and Dissertation) is required.
- Distinction: Candidates scoring 75% and above will be awarded "Distinction."
- Failure in Practical or Viva: If a candidate fails in the practical or viva, they must reappear for the failed component in the next examination cycle.

Recommended Books & E-Resources

Textbooks:

- Musculoskeletal Cancer Surgery – Martin Malawer
- A System of Orthopaedic Oncology – Henry Mankin
- Bone and Soft Tissue Tumors – Mario Campanacci
- Surgical Oncology of the Spine – Robert F. McLain
- Orthopaedic Oncology: Primary and Metastatic Tumors – Terrance D. Peabody

Journals & E-Resources:

- Clinical Orthopaedics and Related Research – https://journals.lww.com/clinorthop
- The Bone & Joint Journal – https://boneandjoint.org.uk/
- Journal of Orthopaedic Research – https://onlinelibrary.wiley.com/journal/1554527x
- European Journal of Orthopaedic Surgery & Traumatology – https://www.springer.com/journal/590
- National Cancer Institute – https://www.cancer.gov/

Fellowship in Hand & Foot Surgery

Course Overview

The Fellowship in Hand & Foot Surgery is a one-year specialized program designed to equip healthcare professionals with advanced skills in the diagnosis, surgical intervention, and post-operative care of conditions affecting the hands and feet. The course includes in-depth training in trauma, congenital deformities, reconstructive surgeries, microsurgery, and arthroscopy. The program integrates clinical rotations, hands-on surgical training, and research projects.

Prerequisites

Criteria	Details
Eligibility	MBBS with MS/DNB in Orthopaedics / Plastic Surgery
Duration	1 Year
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- Develop expertise in the surgical and non-surgical management of hand and foot conditions.
- Gain proficiency in microsurgical techniques for hand and foot reconstruction.
- Learn advanced arthroscopic procedures and soft tissue reconstruction.
- Master the management of congenital deformities and complex trauma cases.
- Understand post-operative rehabilitation and physiotherapy protocols.
- Conduct research in hand & foot surgery and apply evidence-based practices.

Curriculum with Semester-wise Syllabus & Modules

The one-year program is structured into two semesters, covering theoretical knowledge, clinical training, and research.

Semester 1: Fundamentals & Core Hand & Foot Surgery

Module	Topics Covered
Principles of Hand & Foot Surgery	Anatomy, biomechanics, imaging techniques
Trauma Management	Fractures, ligament injuries, soft tissue damage
Microsurgical Techniques	Nerve repairs, tendon transfers, replantation
Arthroscopy & Minimally Invasive Surgery	Diagnostic & therapeutic procedures
Clinical Rotations – OR & Rehabilitation	Hands-on patient care experience

Semester 2: Advanced Hand & Foot Surgery & Specialized Procedures

Module	Topics Covered
Congenital & Developmental Disorders	Clubfoot, syndactyly, polydactyly
Complex Trauma & Reconstruction	Crush injuries, bone grafting, tendon transfers
Reconstructive Surgery	Flaps, skin grafting, post-traumatic deformity correction
Prosthetics & Orthotics	Custom devices for functional restoration
Research Project & Case Studies	Literature review, patient studies, dissertation submission

Program Outcomes

Sr. No.	Program Outcome	Description
1	Proficiency in Hand & Foot Surgery	Perform surgical interventions for a variety of conditions.
2	Advanced Microsurgical Skills	Conduct nerve and vascular repairs with precision.
3	Expertise in Trauma & Reconstruction	Manage complex fractures, ligament injuries, and reconstructive procedures.
4	Congenital & Pediatric Conditions	Diagnose and treat congenital deformities effectively.
5	Rehabilitation & Post-operative Care	Implement rehabilitation protocols for optimal recovery.

Course Outcomes

Sr. No.	Course Outcome	Description
1	Surgical Techniques	Master techniques in arthroscopy, tendon transfers, and fracture fixation.
2	Microsurgery	Develop precision in microsurgical repairs and replantations.
3	Trauma Management	Handle hand and foot trauma cases with evidence-based approaches.
4	Pediatric & Congenital Disorders	Treat congenital hand and foot anomalies with appropriate surgical interventions.
5	Functional Restoration	Optimize patient mobility through prosthetics, orthotics, and therapy.

Credits & Assessment Methods
Total Credits: 40

Component	Credits
Theory & Lectures	10
Clinical Rotations & Case Studies	10
Hands-on Training & Procedures	10
Research & Dissertation	10

Assessment Pattern

Assessment Type	Weightage
Theory Examination (MCQs, Long & Short Answer)	30%
Clinical & Practical Exam (Case-Based Discussion, OSCE)	30%
Clinical Logbook & Case Reports	20%
Research Presentation & Dissertation	20%

Passing Criteria: Minimum 50% in each component to qualify.

Exam Pattern
Theory Examination

- Section A (MCQs – 30 Marks)
- Section B (Short Answer Questions – 30 Marks)
- Section C (Long Answer Questions – 40 Marks)

Practical Examination

Component	Details	Marks
Clinical Case Presentation	Diagnosis & Management of Hand & Foot Conditions	40
Microsurgical Techniques	Nerve & Tendon Repairs	50
Fracture Fixation	ORIF, External Fixators	30
OSCE	Clinical Scenarios, Skill Demonstration	40
Reconstruction & Grafting	Skin, Muscle, and Bone Grafts	40

Viva Voce (Oral Examination) (Total: 100 Marks)

Component	Details	Marks
Case Presentations	Discussion on Hand & Foot Surgery Cases	50
Recent Advances in Hand & Foot Surgery	Journal Article Discussion	20
Ethical & Legal Considerations	Medical Ethics in Surgery	30

Research/Dissertation Submission (Total: 100 Marks)

Component	Marks
Originality & Scientific Merit	30
Methodology & Data Analysis	30
Presentation & Discussion	20
Conclusion & Clinical Relevance	20

Final Weightage & Passing Criteria

Exam Component	Total Marks	Minimum Passing Marks
Theory (Paper 1 & 2)	200	50% (100/200)
Practical Exam	200	50% (100/200)
Viva Voce	100	50% (50/100)
Dissertation	100	50% (50/100)
Total (Overall)	**600**	**50% Aggregate Required**

Additional Notes

- To pass the fellowship, a minimum of 50% marks in each section (Theory, Practical, Viva, and Dissertation) is required.
- Distinction: Candidates scoring 75% and above will be awarded "Distinction."
- Failure in Practical or Viva: If a candidate fails in the practical or viva, they must reappear for the failed component in the next examination cycle.

Recommended Books & E-Resources
Textbooks:

- Green’s Operative Hand Surgery – Scott W. Wolfe
- Principles of Hand Surgery and Therapy – Thomas E. Trumble
- Foot and Ankle Surgery – Mark S. Myerson
- Microsurgery: Principles and Practice – Steven L. Moran
- Pediatric Orthopaedic Surgery – Benson &Fixsen

Journals & E-Resources:

- Journal of Hand Surgery – https://www.jhandsurg.org/
- Foot & Ankle International – https://journals.sagepub.com/home/fai
- Journal of Microsurgery – https://www.microsurgeryjournal.com/
- British Journal of Plastic Surgery – https://www.jprasurg.com/
- World Society for Reconstructive Microsurgery – https://www.wsrm.net/