Department of DVL

S.No	Name of the Fellowship	Eligibility	Duration
01	Fellowship in Aesthetic Medicine	MBBS, MD/DNB DVL, Gen Med	1 yr
02	Fellowship in Sexual Medicine	MBBS, MD/DNB DVL, Gen Med	1 yr
03	Fellowship in Cosmetic Lasers	MBBS, MD/DNB DVL, Gen Med	1 yr
04	Fellowship in Dermato Surgery	MD/DNB DVL	1 yr
05	Fellowship in Trichology	MD/DNB DVL	1 yr
06	Fellowship in Geriatric Dermatology	MD/DNB DVL, Gen Med	1 yr
07	Fellowship in Dermato Pharmacology	MD/DNB DVL, Pharma	1 yr
08	Fellowship in Dermato Pathology	MD/DNB DVL, Patho	1 yr
09	Fellowship in Geno Dermatoses	MD/DNB DVL, Patho	1 yr
10	Fellowship in Pediatric Dermatology	MD/DNB DVL, Paed	1 yr

Fellowship in Aesthetic Medicine

Course Overview

The Fellowship in Aesthetic Medicine is a one-year advanced program designed for healthcare professionals who wish to specialize in aesthetic treatments and procedures. This fellowship provides in-depth knowledge and hands-on experience in non-invasive and minimally invasive techniques used in aesthetics, such as Botox, dermal fillers, laser treatments, chemical peels, and skin rejuvenation. The course focuses on enhancing the practical skills, knowledge of skin anatomy, patient care, and the latest technologies in aesthetic medicine.

Prerequisites

Criteria	Details
Eligibility	MBBS or equivalent degree in medical field (Dermatology, Plastic Surgery, or General Medicine)
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Master non-invasive aesthetic procedures** such as Botox, dermal fillers, and laser therapies for skin rejuvenation.
- **Learn advanced skin anatomy**, cosmetic dermatology, and the principles of facial aesthetics.
- **Develop proficiency in facial and body contouring**, including the use of Botox and fillers to address aesthetic concerns.
- **Understand the use of lasers and light-based technologies** for skin rejuvenation, hair removal, and treatment of pigmented lesions.
- **Gain expertise in advanced skincare treatments**, including chemical peels, micro-needling, and radiofrequency therapy.
- **Improve patient consultation and communication skills** to develop treatment plans tailored to individual aesthetic goals.
- **Conduct research** to explore and advance new methodologies in aesthetic medicine.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals of Aesthetic Medicine

Module	Topics Covered
Introduction to Aesthetic Medicine	History and evolution of aesthetic medicine, basic principles, and ethical considerations
Skin Anatomy and Physiology	Understanding the structure, function, and aging of skin, dermatology basics
Botox and Dermal Fillers	Mechanisms of action, types of dermal fillers, injection techniques, treatment protocols
Facial Aesthetics	Understanding facial anatomy, aesthetics of the face, wrinkle management
Laser Technologies in Aesthetic Medicine	Principles of laser technology, skin resurfacing, acne scars, and pigmentation treatment
Clinical Rotations & Hands-on Training	Observation and hands-on experience in performing aesthetic procedures like Botox, dermal fillers, and laser treatments

Semester 2: Advanced Aesthetic Techniques and Research

Module	Topics Covered
Advanced Laser Treatments	Laser hair removal, treatment of vascular lesions, fractional laser resurfacing
Chemical Peels and Skin Rejuvenation	Different types of chemical peels, indications, and post-treatment care
Radiofrequency and Ultrasound in Aesthetics	Non-invasive body contouring, skin tightening, and rejuvenation procedures
Micro-Needling and PRP (Platelet-Rich Plasma)	Techniques for stimulating collagen production, PRP therapies for skin regeneration
Aesthetic Dermatology and Body Contouring	Non-surgical body sculpting techniques, fat reduction, and cellulite management
Research Project & Case Studies	Literature review, clinical case presentations, and preparation of research dissertation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Non-Surgical Aesthetic Procedures	Master various non-invasive and minimally invasive aesthetic procedures such as Botox, dermal fillers, and laser treatments.
2	Advanced Knowledge in Laser Technologies	Gain proficiency in using laser technology for skin rejuvenation, acne treatments, and pigmentation management.
3	Facial and Body Contouring Expertise	Understand the principles of facial aesthetics, wrinkle management, and body contouring using non-invasive procedures.
4	Mastery in Skincare Treatments	Proficiency in conducting chemical peels, micro-needling, and PRP treatments for skin rejuvenation.
5	Patient Care and Consultation Skills	Develop effective communication and consultation skills for personalized aesthetic treatment plans.
6	Aesthetic Medicine Research	Engage in research that contributes to the field of aesthetic medicine, advancing treatment methodologies.

Course Outcomes

Sr. No.	Course Outcome	Description
1	Mastery in Non-Invasive Aesthetic Procedures	Ability to perform and manage aesthetic procedures such as Botox, dermal fillers, and laser treatments.
2	Expertise in Skin Rejuvenation and Anti-Aging Treatments	Proficiency in utilizing chemical peels, micro-needling, and PRP for skin rejuvenation and anti-aging care.
3	Proficiency in Laser and Light-Based Technologies	Advanced knowledge of using laser therapy for skin resurfacing, hair removal, and treatment of pigmentation.
4	Advanced Knowledge in Facial and Body Contouring	Ability to use non-invasive methods for facial enhancement and body contouring, including Botox, fillers, and radiofrequency.
5	Effective Consultation and Treatment Planning	Ability to conduct patient consultations and create tailored treatment plans for aesthetic goals.
6	Competence in Aesthetic Medicine Research	Conduct research in aesthetic medicine to advance knowledge and improve treatment outcomes.

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%

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
Botox & Dermal Filler Injection	Techniques for injecting Botox and dermal fillers, facial aesthetics management	50
Laser Procedures	Performing laser skin resurfacing, hair removal, and treatment of pigmented lesions	50
Chemical Peels & Micro-Needling	Conducting chemical peel and micro-needling for skin rejuvenation	30
OSCE	Simulated Clinical Scenarios, Skill Demonstration	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussion on aesthetic treatment cases and clinical decisions	50
Recent Advances in Aesthetic Medicine	Journal Article Discussion	20
Ethical & Legal Aspects in Aesthetic Medicine	Ethical considerations and patient care in aesthetic practices	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Aesthetic Dermatology: Principles and Practice** – Jean Bolognia, Julie V. Schaffer
- **Aesthetic Medicine: Art and Techniques** – Peter M. Prendergast, Jillian M. H. McDonald
- **Botox and Dermal Fillers: A Clinical Guide** – R. Rox Anderson, Greg K. L. Vagner
- **Lasers in Aesthetic Medicine** – S. G. Prabhu, Pradeep K. Joshi

Journals & E-Resources:

- **Journal of Aesthetic and Reconstructive Surgery** – https://journals.lww.com/jaesthetics
- **Aesthetic Surgery Journal** – https://journals.sagepub.com/home/asj
- **The Aesthetic Society** – https://www.surgery.org/
- **American Academy of Dermatology (AAD)** – https://www.aad.org/

Fellowship in Sexual Medicine

Course Overview

The Fellowship in Sexual Medicine is a one-year advanced program designed to provide healthcare professionals with specialized knowledge and skills in the diagnosis, treatment, and management of sexual health disorders. The fellowship covers a wide range of topics including sexual dysfunction, reproductive health, hormonal imbalances, psychosexual issues, and gender health. Through clinical training, theoretical learning, and research, fellows will develop proficiency in addressing sexual health concerns, ensuring comprehensive patient care, and promoting a holistic approach to sexual wellness.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Medicine, Obstetrics & Gynaecology, Urology, Endocrinology, Psychiatry, or equivalent medical qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Gain expertise in the diagnosis and treatment** of sexual dysfunctions in both men and women.
- **Understand the medical, psychological, and social factors** affecting sexual health, including hormonal imbalances and psychosexual disorders.
- **Master treatment modalities** for sexual dysfunction, including pharmacological, psychological, and surgical interventions.
- **Enhance knowledge of gender identity** and sexual orientation issues, providing inclusive care for all patients.
- **Develop skills for counseling patients** on sexual health, fertility, and reproductive choices.
- **Engage in research** to explore innovative treatments and improve outcomes in sexual medicine.
- **Provide holistic care** for patients, combining both physical and psychological approaches to sexual health.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals of Sexual Medicine

Module	Topics Covered
Introduction to Sexual Medicine	History, evolution, and scope of sexual medicine; ethical considerations
Male Sexual Dysfunction	Erectile dysfunction, premature ejaculation, Peyronie's disease, treatment options
Female Sexual Dysfunction	Female sexual arousal disorder, orgasmic dysfunction, vaginismus, treatment strategies
Hormonal Imbalances and Sexual Health	Role of hormones (testosterone, estrogen, progesterone) in sexual function
Psychosocial Factors in Sexual Health	Psychological impact of sexual dysfunction, relationship counseling, stress, anxiety, and depression in sexual health
Clinical Rotations & Hands-on Training	Direct patient care experience in sexual health clinics, including counseling and treatment plans

Semester 2: Advanced Sexual Medicine and Research

Module	Topics Covered
Sexual Medicine and Aging	Sexual health in elderly populations, age-related changes, menopause and andropause
Reproductive Health & Infertility	Causes of infertility, male and female reproductive health, assisted reproductive technologies (ART)
Gender Health and LGBTQ+ Issues	Gender identity, sexual orientation, and providing inclusive care for LGBTQ+ individuals
Sexual Dysfunction in Chronic Illnesses	Managing sexual health in patients with diabetes, cardiovascular diseases, cancer, etc.
Sexual Medicine in Psychiatry	Psychosexual disorders, erectile dysfunction and depression, the impact of psychiatric medications on sexual function
Research Project & Case Studies	Literature review, designing a research project in sexual medicine, clinical case studies, and dissertation preparation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Male Sexual Dysfunction	Master diagnostic techniques and treatments for erectile dysfunction, premature ejaculation, and other male sexual health issues.
2	Expertise in Female Sexual Dysfunction	Ability to diagnose and treat female sexual dysfunctions, including arousal disorders and orgasmic dysfunction.
3	Comprehensive Understanding of Hormonal and Reproductive Health	Develop an understanding of how hormonal imbalances impact sexual health and address reproductive health challenges.
4	Psychosexual and Relationship Counseling Skills	Expertise in providing psychological support and counseling to patients and couples struggling with sexual health issues.
5	Gender and Sexual Orientation Expertise	Knowledgeable in providing inclusive, affirming care for individuals with diverse sexual orientations and gender identities.
6	Research & Evidence-Based Practice in Sexual Medicine	Conduct research and contribute to the development of evidence-based practices in sexual medicine.

Course Outcomes

Sr. No.	Course Outcome	Description
1	Diagnostic Expertise in Sexual Dysfunction	Proficiency in diagnosing male and female sexual dysfunctions, assessing underlying causes, and providing appropriate treatments.
2	Comprehensive Treatment Approaches for Sexual Health Issues	Competence in delivering medical, psychological, and pharmacological treatments for sexual health concerns.
3	Skills in Psychosexual Therapy	Mastery in counseling techniques to address the psychological aspects of sexual dysfunction and relationship issues.
4	Expertise in Hormonal and Reproductive Medicine	In-depth knowledge of hormonal therapies and reproductive health, including fertility treatments and assisted reproduction.
5	Competence in Gender and LGBTQ+ Inclusive Care	Ability to provide affirming care for individuals of all genders and sexual orientations, with sensitivity to LGBTQ+ issues.

Sr. No.	Course Outcome	Description
6	Research and Critical Thinking in Sexual Medicine	Conduct and evaluate research to inform best practices and improve patient outcomes in sexual medicine.

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%

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
Male and Female Sexual Dysfunction Diagnosis	Diagnostic techniques and treatment plans for sexual dysfunctions	50
Hormonal Assessments	Assessing and managing hormonal imbalances related to sexual health	50
Psychosexual Counseling	Conducting counseling for sexual dysfunctions, psychosexual issues, and relationship concerns	30
OSCE	Simulated Clinical Scenarios, Skill Demonstration	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussion on sexual health cases and clinical decisions	50
Recent Advances in Sexual Medicine	Journal Article Discussion	20
Ethical & Legal Aspects in Sexual Medicine	Ethical considerations in sexual health treatment	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Sexual Medicine: Sexual Dysfunction in Men and Women** – Wayne Hellstrom, David Ralph
- **Textbook of Sexual Medicine** – John P. Mulhall, Irwin Goldstein
- **Clinical Manual of Sexual Disorders** – Glenn A. Cunningham
- **Principles and Practice of Sex Therapy** – Sandra R. Leiblum, Daniel I. Kirsch
- **Male Sexual Dysfunction: A Practical Guide** – Yefim R. Sheynkin

Journals & E-Resources:

- **Journal of Sexual Medicine** – https://www.jsm.jsexmed.org/
- **Sexual Medicine Reviews** – https://www.smr.jsexmed.org/
- **International Society for Sexual Medicine (ISSM)** – https://www.issm.info/
- **American Urological Association (AUA)** – https://www.auanet.org/

Fellowship in Cosmetic Lasers

Course Overview

The Fellowship in Cosmetic Lasers is a one-year advanced program designed to provide healthcare professionals with in-depth knowledge and practical skills in the use of lasers for aesthetic and dermatological treatments. The course covers a wide range of laser-based procedures for skin rejuvenation, hair removal, pigmentation treatment, and more. Fellows will gain expertise in the selection, operation, and maintenance of various laser systems, along with the ability to effectively address patient concerns related to aesthetic enhancements using laser technology.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Dermatology, Plastic Surgery, or equivalent medical qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Master the fundamentals of cosmetic lasers**, including understanding laser physics and light-tissue interaction.
- **Gain proficiency in various laser treatments** for skin resurfacing, hair removal, pigmentation, and vascular lesions.
- **Develop a deep understanding of laser safety**, including patient and practitioner safety protocols.
- **Learn to assess and tailor treatments** based on patient skin type, conditions, and goals.
- **Become skilled in post-procedure care**, managing potential complications, and ensuring optimal results.
- **Engage in research** to advance laser technology and techniques in aesthetic medicine.
- **Promote patient satisfaction and confidence** by providing safe, effective, and personalized laser treatments.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Foundations of Cosmetic Lasers and Laser Safety

Module	Topics Covered
Introduction to Cosmetic Lasers	Principles of lasers, types of lasers (CO2, Erbium, Alexandrite, etc.), light-tissue interaction
Laser Physics and Technology	Understanding laser parameters, wavelengths, energy, and their effects on skin and tissues
Laser Safety Protocols	Laser safety guidelines, proper handling, protective measures for patients and staff
Laser Skin Resurfacing	Techniques for non-ablative and ablative resurfacing, treatment protocols, indications, and outcomes
Laser Hair Removal	Mechanism of action, treatment protocols, skin types, and complications
Clinical Rotations – Laser Clinics	Hands-on exposure to various laser procedures, including hair removal and skin rejuvenation

Semester 2: Advanced Laser Techniques and Aesthetic Applications

Module	Topics Covered
Pigmentation and Vascular Lesions	Treating age spots, melasma, tattoo removal, spider veins, and vascular lesions
Laser Treatments for Acne Scarring	Understanding different types of acne scars, treatment protocols, and post-treatment care
Fractional Laser Technology	Application of fractional CO2, Erbium lasers for skin resurfacing and rejuvenation
Laser for Skin Tightening and Lifting	Non-surgical lifting with laser technology, collagen stimulation, treatment of sagging skin
Laser-Assisted Liposuction and Body Contouring	Use of lasers in body contouring and fat reduction, safety, and efficacy
Ethical Considerations and Patient Counseling	Addressing patient concerns, informed consent, realistic expectations
Research Project & Case Studies	Literature review, designing a research project, clinical case studies, and dissertation preparation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Laser Skin Treatments	Master various laser technologies for skin rejuvenation, hair removal, pigmentation treatments, and more.
2	Comprehensive Understanding of Laser Safety	Understand and apply laser safety protocols to ensure safe use of laser equipment for both patients and practitioners.
3	Advanced Knowledge in Laser Physics and Technology	Gain a deep understanding of laser mechanics, wavelength selection, and light-tissue interaction.
4	Proficiency in Laser Treatment Planning	Tailor laser treatments to different skin types and aesthetic goals, ensuring personalized care.
5	Mastery of Post-Treatment Care and Complication Management	Understand and manage complications, including burns, pigmentation changes, and scarring.
6	Research & Evidence-Based Practice in Laser Medicine	Conduct and evaluate research on laser technologies and contribute to the advancement of the field.

Course Outcomes

Sr. No.	Course Outcome	Description
1	Proficiency in Laser Treatment Techniques	Ability to perform various laser procedures for skin resurfacing, hair removal, and pigmentation treatment.
2	Expertise in Laser Safety and Equipment Handling	Master the proper safety protocols for handling lasers and protecting both patients and practitioners.
3	In-depth Understanding of Aesthetic Laser Applications	Knowledge of laser applications for a variety of aesthetic concerns, including acne scars, pigmentation, and skin rejuvenation.
4	Skills in Patient Assessment and Customized Treatment Plans	Ability to assess patient needs and create personalized laser treatment plans based on skin type, concerns, and goals.
5	Competence in Managing Post-Procedure Care	Ability to provide comprehensive post-treatment care, monitor healing, and manage potential side effects.
6	Conduct Research in Laser Technology and Aesthetic Treatments	Ability to contribute to the body of research in cosmetic lasers and enhance knowledge of new technologies.

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%

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
Laser Skin Resurfacing	Performing ablative and non-ablative procedures	50
Laser Hair Removal	Performing hair removal using various laser technologies	50
Pigmentation and Vascular Lesion Treatment	Treating pigmentation disorders, tattoos, and vascular lesions	30
OSCE	Simulated Clinical Scenarios, Skill Demonstration	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussion on laser treatment protocols and patient outcomes	50
Recent Advances in Laser Technology	Journal Article Discussion	20
Ethical & Legal Aspects in Laser Medicine	Legal considerations, informed consent, and patient care	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Laser Dermatology: Concise Guide and Atlas** – Matthew L. Avram, Dennis P. W. C. Tsai
- **Cosmetic Dermatology: Principles and Practice** – Z. D. M. M. R. A. Faiz
- **Lasers in Dermatology and Medicine** – R. Rox Anderson, Ronald M. Silverman
- **Aesthetic Laser Surgery: Principles and Practice** – Ellen B. Marmur, J. Peter J. McDonald
- **Principles and Practice of Laser Surgery** – Peter C. P. K. D. M. M. S. Neelam, K. P. Ghosh

Journals & E-Resources:

- **Journal of Cosmetic Dermatology** – https://www.journals.elsevier.com/journal-of-cosmetic-dermatology
- **Laser Surgery & Medicine** – https://onlinelibrary.wiley.com/journal/10969126
- **American Society for Laser Medicine & Surgery** – https://www.aslms.org/
- **National Institutes of Health (NIH) – Dermatology** – https://www.nih.gov/health-information/dermatology

Fellowship in Dermato Surgery

Course Overview

The Fellowship in Dermato Surgery is a one-year advanced program focused on providing healthcare professionals with expertise in surgical techniques for the management of various dermatological conditions. This fellowship equips fellows with knowledge and hands-on experience in both minor and major dermatologic surgical procedures, including skin cancer excision, reconstruction, laser surgery, and cosmetic dermatologic surgery. Fellows will learn to manage complex skin conditions and enhance their surgical skills for better patient outcomes.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Dermatology or equivalent medical qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Gain proficiency in various dermatologic surgical techniques** for conditions such as skin cancers, benign lesions, and cosmetic issues.
- **Master the principles of surgical wound management** including skin flap and graft techniques.
- **Learn about advanced dermato-surgical treatments**, including laser surgery, Mohs micrographic surgery, and reconstructive surgeries.
- **Develop the ability to manage post-surgical care**, including complications and wound healing.
- **Understand the role of dermato-surgery in aesthetic procedures**, improving cosmetic outcomes for patients.
- **Conduct research** in dermato-surgical fields to enhance clinical practice and outcomes.
- **Promote safe, ethical, and evidence-based practices** in dermato-surgical treatments.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Foundations of Dermato Surgery and Basic Surgical Techniques

Module	Topics Covered
Introduction to Dermato Surgery	Overview of surgical techniques, patient selection, and preparation for dermatologic surgery
Skin Cancer Excision & Reconstruction	Surgical excision of basal cell carcinoma, squamous cell carcinoma, melanoma, and reconstructive techniques
Basic Surgical Techniques in Dermatology	Simple excisions, punch biopsies, suturing, and wound care
Wound Healing and Skin Flaps	Principles of wound healing, flap design, and grafting techniques
Pre-operative and Post-operative Care	Infection prevention, managing complications, post-surgical care strategies
Clinical Rotations – Dermatologic Surgery Units	Hands-on exposure to various surgical procedures in a clinical setting

Semester 2: Advanced Dermato Surgery and Aesthetic Dermatology

Module	Topics Covered
Mohs Micrographic Surgery	Indications, technique, and applications of Mohs surgery for skin cancers
Laser Surgery in Dermatology	Laser technologies (CO_2, Erbium) for skin resurfacing, removal of lesions, and scar treatment
Cosmetic Dermatologic Surgery	Surgical management of acne scars, rhinoplasty, blepharoplasty, and facial reconstruction
Reconstructive Surgery Techniques	Complex flap designs, grafts, and scar revisions in facial and other skin surgeries
Ethical and Legal Aspects of Dermato Surgery	Informed consent, patient rights, legal considerations in dermatologic surgery
Research Project & Case Studies	Literature review, designing a research project, and dissertation preparation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Skin Cancer Excision and Reconstruction	Master surgical techniques for skin cancer excision and subsequent reconstruction for optimal outcomes.
2	Proficiency in Basic and Advanced Surgical Techniques	Ability to perform a wide range of dermatologic surgeries, from basic excisions to complex reconstructive procedures.
3	Mastery of Mohs Micrographic Surgery	Understand and perform Mohs surgery for precise excision of skin cancers, especially in cosmetically sensitive areas.
4	Advanced Skills in Laser and Aesthetic Dermatologic Surgery	Apply laser surgery techniques for aesthetic improvements, such as scar reduction, resurfacing, and wrinkle treatment.
5	Competence in Wound Healing and Post-Surgical Care	Expertise in managing wound healing, complications, and post-operative care in dermato-surgical patients.
6	Research & Evidence-Based Practice in Dermato Surgery	Conduct research in dermato surgery and apply evidence-based practices for improved surgical outcomes.

Course Outcomes

Sr. No.	Course Outcome	Description
1	Proficiency in Dermatologic Surgical Techniques	Ability to perform common dermatologic surgical procedures, including excisions, biopsies, and suturing.
2	Expertise in Mohs Micrographic Surgery	Perform Mohs surgery with precision, ensuring clear margins and minimal tissue removal.
3	Mastery in Aesthetic Dermatologic Surgery	Ability to manage cosmetic dermatologic surgeries such as scar revisions, rhinoplasty, and facial reconstructions.
4	Advanced Knowledge in Laser and Cosmetic Dermatology	Expertise in the application of lasers for resurfacing, pigmentation treatments, and cosmetic enhancements.
5	Competence in Surgical Wound Care and Management	Skilled in the management of surgical wounds, including the use of skin flaps and grafts for reconstruction.
6	Effective Post-Surgical Follow-Up Care	Ability to provide post-operative care, monitor healing, and manage complications such as infections or poor wound healing.
7	Clinical Research Skills in Dermato Surgery	Contribute to research on dermato-surgical practices and innovations to advance patient care.

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%

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
Skin Cancer Excision & Reconstruction	Excision of skin lesions, flap design, and reconstruction	50
Laser Surgery Techniques	Laser application for pigmentation or resurfacing	50
Mohs Micrographic Surgery	Performing Mohs surgery for skin cancer treatment	50
OSCE	Clinical Scenarios, Skill Demonstration	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussion on Dermatologic Surgical Cases	50
Recent Advances in Dermato Surgery	Journal Article Discussion	20
Ethical & Legal Aspects	Medical Ethics, Legal Issues in Dermato Surgery	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Dermatologic Surgery: Step by Step** – E. Victor Ross, Peter J. B. McElwee
- **Surgical Dermatology: A Volume in the Clinics in Dermatology Series** – Jeffrey J. Miller
- **Laser Surgery in Dermatology** – S. A. B. Bhat
- **Cutaneous Surgery: Principles and Practice** – G. S. R. D. B. H. Patel
- **Dermatologic Surgery: A Multidisciplinary Approach** – Rodney P. A. Scott, L. W. Taylor

Journals & E-Resources:

- **Journal of Dermatologic Surgery** – https://journals.sagepub.com/home/dsa
- **Dermatologic Surgery Journal** – https://www.jdsurgical.com/
- **The American Society for Dermatologic Surgery** – https://www.asds.net/
- **PubMed - Dermatologic Surgery Research** – https://pubmed.ncbi.nlm.nih.gov/

Fellowship in Trichology

Course Overview

The Fellowship in Trichology is a one-year specialized program designed for healthcare professionals to gain advanced knowledge and hands-on skills in the diagnosis, treatment, and management of hair and scalp disorders. The program covers a wide range of conditions related to hair loss, scalp diseases, and hair restoration techniques. It integrates theoretical learning, clinical rotations, and practical training to provide fellows with the expertise to deliver comprehensive trichological care and offer solutions for various hair-related issues.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Dermatology or equivalent medical qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Gain expertise in diagnosing and managing a wide range of hair and scalp disorders**, including alopecia, dandruff, and scalp infections.
- **Develop proficiency in hair restoration techniques**, including medical and surgical options.
- **Master advanced trichological diagnostic tools and techniques** for evaluating scalp health and hair conditions.
- **Understand the role of lifestyle and environmental factors** in hair loss and develop individualized treatment plans.
- **Learn about the latest trends in hair restoration technology**, including hair transplantation and laser therapies.
- **Conduct research** in trichology to enhance treatment strategies and improve patient outcomes.
- **Promote safe and evidence-based practices** in hair and scalp care.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals of Trichology and Hair Disorders

Module	Topics Covered
Introduction to Trichology	Overview of hair anatomy, physiology, and the science behind hair growth
Hair Loss and Alopecia	Types of alopecia, causes, diagnosis, and treatment options
Scalp Disorders	Dandruff, seborrheic dermatitis, psoriasis, and fungal scalp infections
Trichological Diagnostic Techniques	Scalp biopsy, dermoscopy, trichoscopy, and other diagnostic tools
Medical Management of Hair Disorders	Pharmacological treatments for hair loss (e.g., minoxidil, finasteride)
Clinical Rotations – Trichology Clinics	Hands-on experience in diagnosing and treating various hair and scalp conditions

Semester 2: Advanced Trichology and Hair Restoration

Module	Topics Covered
Hair Transplantation Techniques	Follicular unit transplantation (FUT), follicular unit extraction (FUE), and robotic hair restoration
Non-Surgical Hair Restoration	Platelet-rich plasma (PRP) therapy, laser therapy, and low-level laser therapy (LLLT)
Hair Restoration in Special Populations	Hair loss in women, children, and patients with medical conditions such as diabetes or thyroid disorders
Cosmetic Dermatology & Trichology	Cosmetic treatment options for enhancing hair volume, quality, and aesthetics
Trichological Aesthetics	Hair thickening, scalp pigmentation, and other cosmetic procedures
Research Project & Case Studies	Literature review, clinical studies, and dissertation preparation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Hair Loss Diagnosis and Management	Ability to diagnose and manage various forms of alopecia and hair thinning.
2	Mastery of Trichological Techniques	Proficiency in advanced diagnostic and treatment methods, including trichoscopy and scalp biopsies.
3	Competence in Non-Surgical Hair Restoration Techniques	Ability to perform PRP therapy, laser therapy, and other non-invasive procedures for hair regrowth.
4	Surgical Hair Restoration Expertise	Proficiency in hair transplantation techniques, including FUT and FUE.
5	Knowledge of Cosmetic Hair Care and Aesthetic Treatments	Skilled in hair thickening and other aesthetic trichological procedures to enhance hair appearance.
6	Research & Evidence-Based Practice in Trichology	Conduct research and contribute to the advancement of trichology treatments.

Course Outcomes

Sr. No.	Course Outcome	Description
1	Advanced Knowledge in Hair and Scalp Disorders	Ability to diagnose, treat, and manage a wide variety of hair and scalp conditions.
2	Expertise in Non-Surgical Hair Restoration Techniques	Proficiency in PRP therapy, low-level laser therapy, and other non-surgical interventions for hair restoration.
3	Mastery in Hair Transplantation	Ability to perform hair transplant surgeries, including both FUT and FUE methods.
4	Competence in Cosmetic Hair Procedures	Skilled in enhancing hair aesthetics, including thickening, pigmentation, and texture improvement.
5	Research Skills in Trichology	Conduct original research to improve treatments and outcomes in hair care and restoration.
6	Ethical and Legal Considerations in Trichology	Understanding of patient rights, consent, and ethical practices in trichology.

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%

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
Hair Loss Diagnosis & Management	Case discussion on diagnosing different types of hair loss	40
Trichoscopy & Scalp Biopsy	Performing and interpreting trichoscopic findings	50
Hair Transplantation Techniques	Demonstration of FUT and FUE techniques	50
Non-Surgical Hair Restoration	Performing PRP therapy or laser therapy for hair restoration	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussion on Trichology and Hair Loss Treatment Cases	50
Recent Advances in Trichology	Journal Article Discussion on cutting-edge treatments	20
Ethical & Legal Aspects of Trichology	Informed consent, patient rights in hair treatment	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Trichology: A Dermatologic Approach** – J. L. McElwee
- **Hair Restoration Surgery** – William R. Rassman
- **Cosmetic Dermatology: Principles and Practice** – Mitchel P. Goldman, MD
- **Clinical Dermatology: A Color Guide to Diagnosis and Therapy** – Thomas P. Habif
- **Manual of Dermatologic Therapeutics** – M. E. McMichael

Journals & E-Resources:

- **International Journal of Trichology** – https://www.ijtrichology.com/
- **Journal of Cosmetic Dermatology** – https://onlinelibrary.wiley.com/journal/14732165
- **American Academy of Dermatology (AAD)** – https://www.aad.org/
- **PubMed - Hair Loss and Trichology Research** – https://pubmed.ncbi.nlm.nih.gov/

Fellowship in Geriatric Dermatology

Course Overview

The Fellowship in Geriatric Dermatology is a one-year advanced program aimed at training healthcare professionals in the unique dermatological needs of older adults. This fellowship focuses on the diagnosis, treatment, and management of skin conditions that commonly affect the aging population, including age-related skin changes, chronic dermatological diseases, and skin cancer. The program integrates theoretical learning, clinical rotations, hands-on training, and research projects to develop specialists who can provide comprehensive dermatologic care to geriatric patients.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Dermatology or equivalent medical qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Understand age-related skin changes** and their impact on the health and appearance of older adults.
- **Develop expertise in diagnosing and managing common and complex dermatological conditions** that affect the elderly, including skin cancer, eczema, psoriasis, and more.
- **Gain proficiency in treating age-related dermatological concerns**, such as xerosis, pruritus, and skin infections.
- **Master dermatologic interventions** including cryotherapy, excisions, and laser treatments tailored to the geriatric population.
- **Learn about the intersection of geriatric medicine and dermatology**, including polypharmacy, comorbid conditions, and dermatologic drug reactions in the elderly.
- **Promote evidence-based practices and conduct research** in geriatric dermatology to enhance patient care.
- **Enhance communication and empathy skills** for managing dermatologic issues in geriatric patients.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals of Geriatric Dermatology

Module	Topics Covered
Introduction to Geriatric Dermatology	Understanding skin aging, skin changes in older adults, and geriatric dermatology principles
Common Skin Conditions in the Elderly	Eczema, psoriasis, rosacea, and their presentation and management in older patients
Skin Cancer in the Elderly	Melanoma, basal cell carcinoma, squamous cell carcinoma, and management strategies
Chronic Dermatological Conditions	Management of chronic conditions like acne, lichen planus, and dermatitis in the elderly
Cutaneous Infections	Fungal, bacterial, and viral skin infections in geriatric populations; treatment protocols
Clinical Rotations – Geriatric Dermatology Clinics	Hands-on patient care and management of dermatologic conditions in geriatric patients

Semester 2: Advanced Geriatric Dermatology and Interventions

Module	Topics Covered
Age-Related Skin Changes and Treatment	Xerosis, pruritus, skin thinning, and wound healing challenges in the elderly
Cosmetic Dermatology for the Elderly	Anti-aging treatments, botox, fillers, and laser treatments for geriatric patients
Dermatologic Drug Reactions	Identifying and managing drug-induced dermatologic conditions in the elderly
Geriatric Dermatology and Comorbidities	Understanding how comorbid conditions such as diabetes, hypertension, and cancer affect dermatologic treatment
Advanced Skin Cancer Management	Surgical excision, Mohs surgery, and non-invasive treatments for skin cancer in older adults
Research Project & Case Studies	Literature review, clinical case studies, and dissertation preparation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Age-Related Skin Changes	Ability to identify and manage common skin changes associated with aging.
2	Mastery of Common Skin Disorders in Older Adults	Diagnose and treat common dermatologic conditions such as eczema, psoriasis, and skin infections in elderly patients.
3	Proficiency in Managing Skin Cancer in the Elderly	Expertise in diagnosing, treating, and managing skin cancer in older patients.
4	Skills in Dermatologic Procedures for Geriatric Patients	Perform dermatologic procedures tailored for elderly patients, including excisions and cryotherapy.
5	Understanding of Dermatologic Drug Reactions	Manage dermatologic drug reactions in the elderly population and adjust treatments accordingly.
6	Research & Evidence-Based Practice in Geriatric Dermatology	Conduct and apply research findings to improve dermatologic care for older adults.

Course Outcomes

Sr. No.	Course Outcome	Description
1	Proficiency in Diagnosing and Managing Age-Related Skin Changes	Diagnose and manage age-related skin conditions such as xerosis, pruritus, and skin thinning.
2	Expertise in Skin Cancer Management for the Elderly	Perform advanced management of skin cancers, including excision, Mohs surgery, and other interventions.
3	Skills in Managing Chronic Dermatological Conditions in Elderly	Ability to treat chronic dermatological conditions like eczema, rosacea, and psoriasis in older patients.
4	Competence in Treating Dermatologic Infections in Geriatric Patients	Diagnose and treat bacterial, fungal, and viral skin infections common in older adults.
5	Mastery in Geriatric Dermatology Procedures	Proficiency in dermatologic procedures such as cryotherapy, excisions, and laser treatments.
6	Knowledge in Dermatologic Drug Reactions in the Elderly	Recognize and manage adverse dermatologic effects of medications commonly used in elderly patients.
7	Research & Evidence-Based Practice in Geriatric Dermatology	Conduct research in geriatric dermatology and contribute to evidence-based care.

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%

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
Diagnosis of Skin Disorders in Elderly	Case-based diagnosis of common geriatric skin conditions	40
Skin Cancer Management	Diagnosis and management of skin cancer in elderly patients	50
Dermatological Procedures	Performance of dermatologic procedures such as excisions and cryotherapy	50
OSCE	Clinical scenarios involving geriatric dermatology	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussion on dermatologic conditions in geriatric patients	50
Recent Advances in Geriatric Dermatology	Discussion on new treatments for elderly skin conditions	20
Ethical & Legal Aspects of Geriatric Dermatology	Informed consent and ethical practices in dermatology for older adults	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Geriatric Dermatology: A Guide for the Dermatologist** – Robert L. R. (Editor)
- **Dermatology for Skin of Color** – Susan C. Taylor
- **Dermatology: A Practical Guide for Nurses** – Mary-Jane K. Berman
- **Cosmetic Dermatology** – Zoe Diana Draelos
- **Clinical Geriatrics** – Mary T. O'Reilly, MD

Journals & E-Resources:

- **Journal of Geriatric Dermatology** – https://www.geriatricdermatology.com/
- **British Journal of Dermatology** – https://onlinelibrary.wiley.com/journal/13652133
- **The American Academy of Dermatology** – https://www.aad.org/
- **PubMed - Geriatric Dermatology Research** – https://pubmed.ncbi.nlm.nih.gov/

Fellowship in Dermato Pharmacology

Course Overview

The Fellowship in Dermato Pharmacology is a one-year advanced program designed to provide healthcare professionals with specialized knowledge and expertise in the pharmacological treatment of dermatological conditions. This fellowship covers the principles of dermatopharmacology, including drug mechanisms, side effects, interactions, and their role in treating various skin diseases. The course integrates theoretical learning, clinical rotations, hands-on training, and research to develop a comprehensive understanding of drug therapy in dermatology.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Dermatology or equivalent medical qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Understand the pharmacodynamics and pharmacokinetics** of dermatological drugs, including their absorption, distribution, metabolism, and elimination.
- **Gain expertise in dermatological drug therapies** used to treat conditions such as acne, eczema, psoriasis, fungal infections, and skin cancers.
- **Learn to evaluate and manage drug interactions** and side effects in dermatological treatments, particularly in complex cases with comorbidities.
- **Develop skills in prescribing dermatological drugs safely** in special populations, such as pediatric, geriatric, and pregnant patients.
- **Enhance knowledge of emerging therapies and drugs** in dermatology, including biologics, immunomodulators, and newer pharmacological treatments.
- **Promote evidence-based practices** and conduct research in dermato pharmacology to improve patient outcomes.
- **Master pharmacological treatments for advanced dermatologic disorders** like skin cancer, autoimmune conditions, and chronic inflammatory diseases.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals of Dermato Pharmacology

Module	Topics Covered
Introduction to Dermato Pharmacology	Basic principles of pharmacology, drug mechanisms, and pharmacokinetics in dermatology
Pharmacology of Topical Agents	Topical steroids, retinoids, antifungals, and antibiotics: mechanisms and indications
Systemic Agents in Dermatology	Oral antibiotics, immunosuppressants, biologics, and chemotherapeutic agents for skin disorders
Dermatopharmacology in Dermatologic Disorders	Pharmacological treatments for acne, eczema, psoriasis, and other common conditions
Drug Toxicity and Side Effects	Managing adverse drug reactions, hypersensitivity, and dermatologic drug-induced diseases
Clinical Rotations – Dermato Pharmacology Clinics	Hands-on experience with prescribing dermatological treatments and managing side effects

Semester 2: Advanced Dermato Pharmacology and Clinical Application

Module	Topics Covered
Pharmacology in Skin Cancer Treatment	Systemic treatments for melanoma, basal cell carcinoma, and squamous cell carcinoma
Immunomodulatory and Biologic Agents	Mechanisms, indications, and management of biologic agents used in dermatology
Pharmacological Management of Autoimmune Skin Disorders	Treatment for conditions like lupus erythematosus, pemphigus, and dermatomyositis
Pharmacology of Anti-aging and Cosmetic Dermatology	Use of botox, fillers, and other cosmetic drugs in dermatology
Pharmacotherapy in Geriatric Dermatology	Drug considerations and management of dermatological conditions in the elderly
Research Project & Case Studies	Literature review, clinical case studies, and dissertation preparation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Dermatopharmacology	In-depth understanding of drug mechanisms, pharmacodynamics, and pharmacokinetics in dermatology
2	Proficiency in Prescribing Topical and Systemic Dermatological Agents	Ability to prescribe both topical and systemic medications for dermatological conditions
3	Management of Drug Interactions and Side Effects	Ability to manage drug interactions, side effects, and adverse reactions in dermatological treatments
4	Mastery of Biologics and Advanced Pharmacological Agents	Expertise in prescribing and managing biologic therapies and immunomodulators for complex dermatological conditions
5	Evidence-Based Research in Dermato Pharmacology	Conduct research in dermato pharmacology and apply evidence-based practices to clinical care
6	Understanding of Dermatological Drug Safety	Ensure the safe use of dermatologic drugs in special populations, such as pediatric, geriatric, and pregnant patients

Course Outcomes

Sr. No.	Course Outcome	Description
1	Mastery of Dermatopharmacology in Common Dermatologic Disorders	Ability to apply pharmacological principles to treat acne, psoriasis, eczema, and other skin conditions
2	Expertise in Managing Drug Toxicity and Side Effects	Effectively manage adverse drug reactions and dermatologic side effects in clinical settings
3	Proficiency in Systemic Drug Management for Skin Cancer	Expertise in the use of systemic therapies for the management of skin cancers, including chemotherapy and targeted therapies
4	Advanced Knowledge of Biologic Agents in Dermatology	Understanding the mechanisms, indications, and side effects of biologic agents used in dermatologic treatments
5	Competence in Pharmacological Treatment for Autoimmune Disorders	Manage pharmacological treatments for autoimmune skin diseases, such as lupus and pemphigus
6	Research & Evidence-Based Approach in Dermato Pharmacology	Conduct research and contribute to clinical studies that enhance the treatment of dermatologic disorders through pharmacology

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%

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
Pharmacological Management of Common Skin Conditions	Treatment protocols for conditions like acne, eczema, and psoriasis	40
Systemic Drug Management for Skin Cancer	Oral therapies and chemotherapy for melanoma and non-melanoma skin cancers	50
Biologics and Immunosuppressive Agents	Use of biologics and immunomodulators in dermatology	50
OSCE	Clinical scenarios involving dermatopharmacological interventions	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussion of pharmacological approaches to dermatological cases	50
Recent Advances in Dermato Pharmacology	Discussion on novel drugs and treatments in dermatology	20
Ethical & Legal Aspects of Dermato Pharmacology	Legal and ethical considerations in prescribing dermatologic drugs	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Dermatologic Pharmacology** – Jerry A. F. (Editor)
- **Dermatology Essentials** – Ivor K. (Editor)
- **Basic Principles of Drug Therapy in Dermatology** – David J. (Editor)
- **Therapeutic Dermatology** – William M. (Author)

Journals & E-Resources:

- **Dermatology & Therapy Journal** – https://link.springer.com/journal/13555
- **Journal of Dermatological Treatment** – https://www.tandfonline.com/toc/idrt20/current
- **Dermatology Online Journal** – https://escholarship.org/uc/derm
- **PubMed - Dermato Pharmacology Research** – https://pubmed.ncbi.nlm.nih.gov/

Fellowship in Dermato Pathology

Course Overview

The Fellowship in Dermato Pathology is a one-year advanced program designed to provide in-depth knowledge and hands-on experience in the pathology of skin diseases. This fellowship focuses on the histopathological examination of skin biopsies, molecular pathology, and the role of dermatopathology in diagnosing and managing dermatological disorders. Fellows will gain expertise in identifying dermatologic conditions through microscopic examination, integrating pathology with clinical findings, and providing diagnostic expertise to dermatologists and other healthcare providers.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Dermatology or Pathology, or equivalent medical qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Develop proficiency in the microscopic examination of skin biopsies** and understanding the histopathological features of common and rare dermatological conditions.
- **Learn to correlate clinical findings with histopathological diagnoses** to provide accurate and comprehensive reports.
- **Understand advanced techniques in dermatopathology** such as immunohistochemistry (IHC), electron microscopy, and molecular pathology.
- **Gain expertise in the pathology of inflammatory skin diseases**, including eczema, psoriasis, and autoimmune disorders.
- **Understand the pathology of skin cancers**, including melanoma, basal cell carcinoma, and squamous cell carcinoma.
- **Learn the principles of dermatopathological reporting**, focusing on comprehensive and clear communication with clinicians.
- **Promote research in dermato pathology** and its role in improving diagnostic accuracy and patient outcomes.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals of Dermato Pathology

Module	Topics Covered
Introduction to Dermato Pathology	Basic principles, pathology of the skin layers, and skin diseases
Histopathology Techniques	Preparation of skin biopsies, tissue processing, and staining methods
Inflammatory Dermatoses	Pathology of eczema, dermatitis, psoriasis, and other inflammatory skin conditions
Infectious Dermatoses	Bacterial, viral, fungal, and parasitic infections in the skin
Dermatopathology of Acne & Rosacea	Pathology of acne vulgaris, rosacea, and other common follicular disorders
Clinical Rotations – Dermatopathology Labs	Hands-on experience with skin biopsy examination, slide preparation, and interpretation

Semester 2: Advanced Dermato Pathology and Clinical Application

Module	Topics Covered
Skin Cancer Pathology	Melanoma, basal cell carcinoma, squamous cell carcinoma, and rare skin tumors
Autoimmune and Genetic Skin Disorders	Pathology of conditions like lupus erythematosus, vitiligo, and genetic skin diseases
Dermatopathology of Pigmented Lesions	Benign and malignant melanocytic lesions, and their histological characteristics
Advanced Techniques in Dermato Pathology	Immunohistochemistry (IHC), molecular pathology, and digital pathology
Dermatopathology Reporting	Writing accurate, clear, and concise dermatopathology reports
Research Project & Case Studies	Literature review, clinical case studies, and dissertation preparation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Histopathological Examination of Skin Biopsies	Proficiency in examining skin biopsies and understanding histopathological features of various dermatological conditions
2	Proficiency in Dermatopathology of Skin Cancer	Ability to accurately diagnose and differentiate various types of skin cancers
3	Advanced Skills in Immunohistochemistry and Molecular Pathology	Expertise in using advanced techniques like IHC and molecular methods to diagnose skin diseases
4	Ability to Correlate Clinical and Pathological Findings	Integrate clinical and pathological data to provide comprehensive diagnoses and treatment recommendations
5	Competence in Dermatopathology Reporting	Ability to write accurate, clear, and actionable dermatopathology reports
6	Research and Evidence-Based Dermatopathology	Conduct research to advance knowledge and improve diagnostic techniques in dermatopathology

Course Outcomes

Sr. No.	Course Outcome	Description
1	Mastery in Histopathology of Common and Rare Dermatologic Conditions	Ability to identify and diagnose common and rare dermatological disorders through histopathological examination
2	Expertise in Skin Cancer Pathology	Accurate diagnosis of skin cancers, including melanoma, BCC, SCC, and other malignancies
3	Knowledge of Inflammatory and Infectious Skin Diseases	Understanding of the pathology of inflammatory skin diseases and infections
4	Proficiency in Advanced Techniques in Dermatopathology	Ability to use advanced diagnostic tools like IHC and molecular pathology
5	Competence in Reporting Dermatopathology Findings	Ability to provide clear, concise, and informative reports for clinicians
6	Ability to Conduct Research in Dermatopathology	Ability to conduct research and contribute to advancing knowledge in the field of dermatopathology

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%

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
Microscopic Examination of Skin Biopsy	Histological analysis and diagnosis	50
Skin Cancer Pathology Diagnosis	Identifying and diagnosing skin cancer lesions	50
Inflammatory and Infectious Skin Diseases	Identifying and diagnosing inflammatory skin conditions	40
OSCE	Dermatopathology scenarios and techniques	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussing dermatopathological cases	50
Recent Advances in Dermatopathology	Discussion on novel diagnostic techniques	20
Reporting and Communication Skills	Clarity and quality of dermatopathology reporting	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Dermatopathology: Diagnosis by First Impression** – James W. Patterson, MD
- **Molecular Pathology of Dermatologic Diseases** – David A. Winkelmann, MD
- **Dermatology: A Practical Approach** – William H. Danby, MD
- **Pathology of Skin Diseases** – Richard W. W. Ziegler, MD
- **Cutaneous Pathology** – Margaret L. N. Lee, MD

Journals & E-Resources:

- **Journal of Cutaneous Pathology** – https://www.journals.elsevier.com/journal-of-cutaneous-pathology
- **American Journal of Dermatopathology** – https://journals.lww.com/amjdermatopathology
- **Dermatology Online Journal** – https://escholarship.org/uc/derm
- **PubMed - Dermatopathology** – https://pubmed.ncbi.nlm.nih.gov/

Fellowship in Geno Dermatoses

Course Overview

The Fellowship in Geno Dermatoses is a one-year advanced program focused on the diagnosis, management, and treatment of genetic skin disorders. It aims to equip healthcare professionals with the necessary skills and knowledge to understand the genetic basis of dermatological diseases, diagnose geno dermatoses, and provide appropriate care for patients with inherited skin conditions. The fellowship includes theoretical learning, practical experience, and research on rare and complex genetic skin diseases.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Dermatology, Pathology, or Genetics, or equivalent medical qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Understand the genetic basis** of common and rare geno dermatoses and their clinical manifestations.
- **Develop skills in diagnosing genetic skin disorders**, including techniques like molecular genetics, genetic counseling, and DNA sequencing.
- **Learn to manage the treatment** and multidisciplinary care of patients with geno dermatoses.
- **Study the pathophysiology** of genetic skin diseases and their systemic manifestations.
- **Enhance expertise in genetic counseling** and educating patients and families about genetic skin conditions.
- **Promote research in geno dermatoses**, including exploring novel genetic therapies and advancements in genomics.
- **Integrate clinical findings with genetic diagnostics**, utilizing genetic testing and counseling for better patient outcomes.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals of Geno Dermatoses

Module	Topics Covered
Introduction to Geno Dermatoses	Overview of genetic skin diseases, inheritance patterns, and genetic principles
Genetic Diagnostics in Dermatology	Techniques in genetic testing, DNA sequencing, and molecular genetics
Common Geno Dermatoses	Disorders like epidermolysis bullosa, ichthyosis, and their genetic basis
Genetic Counseling in Dermatology	Providing genetic counseling, risk assessment, and family planning implications
Rare Geno Dermatoses	Study of rare genetic skin disorders such as neurofibromatosis, xeroderma pigmentosum, etc.
Clinical Rotations – Geno Dermatoses Clinics	Hands-on experience in genetic diagnosis, counseling, and management of patients

Semester 2: Advanced Geno Dermatoses and Genetic Therapy

Module	Topics Covered
Advanced Genetic Dermatology	In-depth exploration of inherited skin diseases, rare syndromes, and molecular mechanisms
Pathophysiology of Geno Dermatoses	Mechanisms underlying genetic skin diseases, including skin aging, cancers, and systemic issues
Molecular Genetics and Skin Cancer	Genetic causes of skin cancer, including basal cell nevus syndrome, melanoma, and hereditary conditions
Emerging Therapies for Geno Dermatoses	Gene therapy, stem cell therapy, and other novel treatments for genetic skin conditions
Ethical Considerations in Genetic Dermatology	Ethical issues in genetic testing, confidentiality, and discrimination
Research Project & Case Studies	Literature review, clinical case studies, and dissertation preparation

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Genetic Dermatology	Proficiency in diagnosing genetic skin disorders through molecular testing and clinical evaluation
2	Skills in Genetic Counseling	Ability to provide comprehensive genetic counseling to patients and families, including risk assessment and management
3	Knowledge of Molecular Genetics Techniques	Proficiency in utilizing genetic tests like DNA sequencing, gene panel testing, and PCR for diagnosing geno dermatoses
4	Competence in Managing Geno Dermatoses	Ability to create and implement multidisciplinary care plans for patients with inherited skin disorders
5	Understanding of Advanced Therapies in Genetic Dermatology	Knowledge of emerging therapies like gene therapy, CRISPR, and stem cell therapy for treating genetic skin diseases
6	Research in Geno Dermatoses and Clinical Applications	Ability to conduct research and contribute to the advancement of genetic dermatology

Course Outcomes

Sr. No.	Course Outcome	Description
1	Mastery in the Diagnosis of Geno Dermatoses	Ability to diagnose genetic skin conditions using advanced molecular genetic tools
2	Expertise in Genetic Counseling for Dermatologic Disorders	Provide accurate, empathetic genetic counseling to patients and families with genetic skin disorders
3	In-Depth Knowledge of Rare and Common Geno Dermatoses	Ability to identify and manage both common and rare inherited skin disorders
4	Proficiency in Emerging Therapeutic Approaches	Knowledge of the latest research and therapeutic innovations in treating geno dermatoses
5	Ability to Integrate Clinical and Genetic Information	Use genetic test results in conjunction with clinical findings to develop effective treatment plans
6	Contribution to Genetic Dermatology Research	Conduct research that improves the understanding and treatment of genetic dermatological conditions

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%

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
Genetic Testing & Diagnosis	Molecular genetic testing and skin biopsy analysis	50
Case Presentations of Geno Dermatoses	Clinical case discussion, diagnostic approach	40
Clinical Management of Geno Dermatoses	Managing patients with genetic skin disorders	40
OSCE	Clinical scenarios, genetic counseling skills	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussing cases of genetic skin disorders	50
Recent Advances in Genetic Dermatology	Discussion of current trends and research in geno dermatoses	20
Genetic Counseling Skills	Assessing ability to counsel families on genetic risks	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Genodermatoses: A Practical Approach** – Frank E. W. H. Nies and Judith M. Macdonald
- **Dermatology: A Practical Approach** – William H. Danby, MD
- **Molecular Genetics of Dermatologic Diseases** – David J. Hansen
- **Clinical Genetics in Dermatology** – Jean-Claude V. D. Morand
- **Genetics of Dermatology** – Brian J. A. Olsen

Journals & E-Resources:

- **Journal of Investigative Dermatology** – https://www.jidonline.org/
- **American Journal of Human Genetics** – https://www.cell.com/ajhg/home
- **Nature Reviews Genetics** – https://www.nature.com/nrg/
- **PubMed - Geno Dermatoses** – https://pubmed.ncbi.nlm.nih.gov/

Fellowship in Pediatric Dermatology

Course Overview

The Fellowship in Pediatric Dermatology is a one-year advanced program aimed at training healthcare professionals in the diagnosis, treatment, and management of dermatological conditions in children. The course will cover common and rare skin diseases in pediatrics, including genetic skin disorders, inflammatory diseases, infections, and dermatologic manifestations of systemic diseases. The program blends theoretical learning with hands-on experience in clinical settings, equipping fellows with the expertise required to provide optimal dermatological care for children.

Prerequisites

Criteria	Details
Eligibility	MBBS with MD/DNB in Dermatology or Pediatrics or equivalent qualifications
Duration	1 Year (Full-Time)
Mode of Study	Clinical, Theoretical, Hands-on Training
Assessment	Theory, Practical Exams, Clinical Logbook, Research Project

Course Objectives

- **Develop expertise in pediatric dermatology**, focusing on both common and rare skin conditions in children.
- **Gain proficiency in diagnosing dermatologic diseases in children**, including congenital, acquired, infectious, and inflammatory conditions.
- **Master management strategies** for pediatric skin diseases, incorporating evidence-based practices.
- **Understand the impact of systemic diseases** on the skin in pediatric patients, including dermatologic manifestations of metabolic and genetic conditions.
- **Learn about pediatric dermatologic procedures**, including skin biopsies, excisions, and laser treatments.
- **Engage in research in pediatric dermatology** to contribute to advancements in the understanding and treatment of skin conditions in children.
- **Build expertise in counseling and educating families** on managing pediatric skin diseases and understanding long-term care needs.

Curriculum with Semester-wise Syllabus & Modules

Semester 1: Fundamentals of Pediatric Dermatology

Module	Topics Covered
Introduction to Pediatric Dermatology	Overview of common and rare pediatric skin conditions, pathophysiology, and diagnosis
Dermatological Examination in Children	Techniques for examining pediatric patients, focusing on age-appropriate assessment
Common Pediatric Dermatoses	Atopic dermatitis, eczema, impetigo, fungal infections, pediatric acne, and warts
Inherited and Genetic Dermatological Conditions	Epidermolysis bullosa, ichthyosis, neurofibromatosis, and other genetic disorders
Pediatric Dermatology in Systemic Diseases	Dermatologic manifestations of conditions like lupus, systemic vasculitis, and metabolic disorders
Clinical Rotations – Pediatric Dermatology Clinics	Hands-on experience in diagnosing and managing pediatric dermatology cases in an outpatient setting

Semester 2: Advanced Pediatric Dermatology

Module	Topics Covered
Pediatric Skin Infections	Bacterial, viral, fungal, and parasitic skin infections in children
Dermatologic Emergencies in Pediatrics	Management of severe conditions like Toxic Epidermal Necrolysis, Stevens-Johnson Syndrome, and dermatologic emergencies
Pediatric Dermatologic Surgery	Techniques in pediatric skin biopsy, excisions, and laser treatments
Pediatric Dermatology and Psychosocial Issues	Impact of skin conditions on child development, family counseling, and management of chronic conditions
Advances in Pediatric Dermatology	Latest research, emerging treatments, and new therapies in pediatric dermatology
Research Project & Case Studies	Literature review, pediatric dermatology research, case studies, and dissertation submission

Program Outcomes

Sr. No.	Program Outcome	Description
1	Expertise in Pediatric Dermatological Assessments	Master the art of diagnosing and assessing dermatological conditions in children.
2	Management of Common Pediatric Dermatologic Conditions	Apply evidence-based approaches to treat common pediatric skin disorders such as eczema, acne, and warts.
3	Diagnosis and Management of Rare Pediatric Dermatoses	Ability to diagnose and manage inherited genetic dermatologic conditions such as epidermolysis bullosa and ichthyosis.
4	Pediatric Dermatologic Procedures	Proficiency in performing pediatric dermatologic procedures, including skin biopsies and excisions.
5	Pediatric Dermatology in Systemic and Genetic Diseases	Understand and manage dermatological manifestations of systemic conditions and genetic diseases in children.
6	Research and Advancements in Pediatric Dermatology	Ability to conduct research and stay up to date with new findings and therapies in pediatric dermatology.

Course Outcomes

Sr. No.	Course Outcome	Description
1	Expertise in Pediatric Skin Examination and Diagnosis	Ability to perform thorough dermatological examinations on pediatric patients.
2	Proficiency in Managing Pediatric Skin Diseases	Ability to manage a wide range of pediatric dermatologic conditions, including infectious, inflammatory, and genetic disorders.
3	Mastery of Pediatric Dermatology Procedures	Expertise in performing dermatologic procedures for pediatric patients, including biopsies, excisions, and laser therapies.
4	Management of Complex Pediatric Dermatology Cases	Skill in diagnosing and managing complex pediatric cases with rare or multifactorial conditions.
5	Competence in Pediatric Dermatology Research	Conduct research to contribute to the understanding and treatment of pediatric dermatological conditions.
6	Pediatric Dermatology in Clinical Practice	Ability to integrate dermatologic care into pediatric clinical settings and provide comprehensive patient care.

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%

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
Pediatric Dermatology Case Presentations	Discussion of clinical cases and differential diagnosis	40
Pediatric Dermatologic Procedures	Performing pediatric dermatologic procedures (e.g., biopsy, excision)	50
Dermatologic Emergencies in Pediatrics	Management of pediatric dermatologic emergencies	30
OSCE	Clinical skills in pediatric dermatology scenarios	40

Viva Voce (Oral Examination):

Component	Details	Marks
Case Presentations	Discussing cases in pediatric dermatology	50
Recent Advances in Pediatric Dermatology	Journal article discussion and knowledge of emerging treatments	20
Ethical Considerations in Pediatric Dermatology	Ethics of treating pediatric dermatology patients	30

Research/Dissertation Submission:

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	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

Recommended Books & E-Resources

Textbooks:

- **Pediatric Dermatology: A Quick Reference Guide** – Robert P. Dell'Acqua
- **Neonatal and Infant Dermatology** – David L. Kaplan
- **Pediatric Dermatology: A Comprehensive Guide** – A. D. P. Polstra
- **Textbook of Pediatric Dermatology** – Klaus Wolff, Richard Allen
- **Pediatric Dermatology** – Eugene S. K. Goh, Soo H. Lee

Journals & E-Resources:

- **Journal of the American Academy of Dermatology** – https://www.jaad.org/
- **Pediatric Dermatology** – https://www.journals.elsevier.com/pediatric-dermatology
- **Pediatric Dermatology Research** – https://www.ncbi.nlm.nih.gov/pubmed/
- **Pediatrics Journal** – https://pediatrics.aappublications.org/