

PG IN ANDROLOGY & SEXUAL MEDICINE





About Us

MHPro is a Continuing Medical Education (CME) platform to upskill healthcare professionals with evidence-based knowledge delivered online with immersive learning experience. The MHPro curriculum aims to prepare clinicians to master Basic Sciences, which then empowers them to deal with patients and their problems in a hospital or outpatient milieu. During the program, new clinical skills and considerable medical knowledge, and domain-specific core competencies will be stressed as clinicians acquire both diagnostic and therapeutic skills

MHPro is committed to a competency based curriculum. Learners will be graded and receive pertinent feedback

Welcome to MHPro



Course Introduction

This Post Graduate course in Andrology & Sexual Medicine is an epitome of knowledge bank in the field of Uro-andrology, male & female sexual dysfunction, psychosexual therapy, and embryology with andrology laboratory techniques. This well-crafted and comprehensive course is delivered by renowned national and international experts in the field, with an aim to empower clinicians to implement skills in practice



Learning Objectives :

- Understanding concepts in male infertility and sexual dysfunction, including evaluation, diagnosis and management
- Understanding Semen analysis and its role in clinical decision-making and its limitations
- Assessment of common reversible causes of infertility and their treatments
- Microsurgical videos on various reconstructive procedures in male infertility
- Various laboratory video spectrum of basic and advanced semen analysis, sperm preparation to cryo freezing and thawing
- Embryology laboratory videos of various ART procedures
- Understanding concepts in sexual cycle its physiological and pathological basis and clinical importance
- Recent advances in evaluation of sexual dysfunction and its clinical application
- Medical and surgical management for sexual dysfunction with video demonstration

Learning outcomes :

- Theoretical and technical knowledge of the clinical male infertility and sexual dysfunction
- Upgradation in medical knowledge and surgical skills in male infertility and sexual dysfunction
- Knowledge for setting up Andrology lab & men's health clinic
- Operational and Quality Management skills

Who should take up this course?

PG Students and consultants in the field of Urology, General Surgery, Gynecology, and Reproductive medicine, Sexologists, Andrologists, Endocrinologists & Lab technicians in the field of Andrology and Embryology

Program Director



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Uro-Andrologist
Medical Director & CEO, Ankur Healthcare
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Course Directors



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Curriculum

Module - 1 : Male Infertility & Female Sexual Dysfunction

Chapter :

The Need for Men's Sexual Health in Today's Era

Lecture Title :

- The Case for Men's Health

Anatomy & Physiology of Male Reproductive Tract

- Anatomy of the Male Reproductive System
- Development of the Male Reproductive System
- Spermatogenesis and Spermiogenesis
- Sperm Transport and Maturation
- HPG Axis in Men and its Role in Spermatogenesis
- Seminal Plasma and its Role
- Hypothalamus and Pituitary Disorders

Pathology & Genetics in Male Reproduction

- Hypothalamus and Pituitary Disorders, Testicular Disorders & Environmental Factors and its Influence on Sperm
- Early Diagnosis and Interventions in Hypogonadism
- Male Reproductive Endocrinology : Case Presentation
- Basics of Genetic Evaluation of an Infertile Male :
 1. Disorders of Seminal Vesicle and Ejaculatory Duct
 2. Klinefelter's Syndrome and Implications to Clinical Practice

Semen Analysis & Practical Utility

- Semen Analysis : Practical Aspects
- Interpretation of Abnormal Semen Analysis

Curriculum

Module - 1 : Male Infertility & Female Sexual Dysfunction

Chapter :	Lecture Title :
Semen Analysis & Practical Utility	<ul style="list-style-type: none">• WHO 5th & 6th Manual - Differences and Clinical Implications
Advanced Sperm Function Tests & Techniques	<ul style="list-style-type: none">• Sperm Preparation Techniques and Practical Implications• Sperm Cryopreservation and Sperm Vitrification with Fundamentals of Cryobiology and Implications to Practice• Automation in Semen Analysis• Male Factor in Recurrent Pregnancy Loss• Clinical Decision Making in Male Infertility : Decoding the Black Box - Recent Advances<ol style="list-style-type: none">1. Semen Analysis Methodology and Errors in Reporting2. Management of Seminal Plasma Abnormalities
Clinical History, Examination & Diagnostic Evaluation of an Infertile Male	<ul style="list-style-type: none">• Principles of Clinical Evaluation in Male infertility• Hormonal Evaluation• Relevance of Inhibin, 17 Hydroxy Progesterone / FSH Receptor Assay• Genetic evaluation - Karyotyping, Y Chromosome and CFTR Genetic Testing and Relevance• Radiological Evaluation : What, When & Why
Specific Conditions & Male Infertility	<ul style="list-style-type: none">• Inflammation and Male Infertility• Inflammation and Sexual Dysfunction

Curriculum

Module - 1 : Male Infertility & Female Sexual Dysfunction

Chapter :

Medical Management of an Infertile Male : Non Azoospermic

Lecture Title :

- Functional Tests on Sperm - Evidence & Role in Infertility
 1. Management of Sperm Abnormalities
 2. Role of ART in Male Infertility
 3. Role of Antioxidants in Male Infertility
 4. Role of Medication in NOA
- Donor Insemination - Principles of Banking and Optimizing Success
- Role of Environment in Male Infertility

Azoospermia Diagnosis & Management

- Role of Surgery in Azoospermia - VVA, VEA, TURED
- Surgical Sperm Retrieval Techniques and Results :
 1. Role of Surgery
 2. Optimizing Sperm for ART - Surgical Options
 3. Challenges in Sperm Retrieval Techniques with Special Reference to Micro TESE
 4. Sperm Retrieval Techniques - Excluding Micro TESE

Infertility Management in Special Situations

- Treatment of HIV Positive Males and Conception
- Management of Anejaculation & Erection and Ejaculatory Dysfunction Relevant to Fertility
- Spinal Cord Injury and Male Infertility

Curriculum

Module - 1 : Male Infertility & Female Sexual Dysfunction

Chapter :

Optimising Male Infertility Practice

Lecture Title :

- Overview of IUI vs IVF vs ICSI and Guidelines for clinical Practice
- ART Law in India and Ethics in Management
- Adoption
- Optimizing Sperm in Azoospermia - Medical Options

Advances in Andrology & Change in Practice Patterns

- Fertility Preservation Strategies in Infertile Men
- Male Infertility Guidelines
- Devices in Andrology
- Low Intensity Shock Wave Therapy - The Challenges & Utility in Indian Subcontinent

Female Sexual Dysfunction : FSD

- History, Investigation & Classification of the Problem
- Female Hypoactive Sexual Desire Disorder (HSSD)
- Hypoactive Sexual Desire Disorder (HSSD) in Women
- Medical Management of Female Sexual Dysfunction : Critical Evaluation of Drugs
- Don't Know Whether I Have Orgasms
- UTI and Sex
- Treatment of Vaginismus
- FSD - Vaginismus
- Dyspareunia
- Urological Issues with Sex
- Flibanserin

Curriculum

Module - 1 : Male Infertility & Female Sexual Dysfunction

Chapter :	Lecture Title :
Female Sexual Dysfunction : FSD	<ul style="list-style-type: none"> • Mistakes in Use of PDE5 Inhibitors Leading to Failure of Therapy • Using PDE5I's • Testosterone / DHEA • Post Menopausal Syndrome
Case Discussions	<ul style="list-style-type: none"> • Male Infertility Clinical Cases • Male Infertility Clinical Cases - Seminal Plasma Abnormalities
Azoospermia Evaluation & Management	<ul style="list-style-type: none"> • Practical Management of Azoospermia : <ol style="list-style-type: none"> 1. Evaluation of the Azoospermic Man 2. Role of Testicular Biopsy and its Relevance to Practice 3. Unconsummated Marriage • Sperm Retrieval Techniques : Critical Answers for Decision Making • Micro TESE - Clinical Challenges
Surgical Videos of Male Infertility Management	<ul style="list-style-type: none"> • Varicocele and Infertility
Laboratory Video on Diagnosis, Sperm Enhancement, ART Techniques to Facilitate Pregnancy	<ul style="list-style-type: none"> • Semen Analysis, IUI and Vitrification / Cryofreezing • New Technologies to Improve Fertility Outcomes : <ol style="list-style-type: none"> 1. U Select 2. ONOVA • ICSI-IVF-IMSI-PICSI

Curriculum

Module - 2 : Reproductive Health, Dermatology & Sexual Medicine

Chapter :	Lecture Title :
Sexual Development & Sexuality	<ul style="list-style-type: none"> • History of Sexual Medicine - The Evolution • Sexual Development Male & Female - Sexual Response Cycle and its Determinants • Hormones in Sexual Development / Behavior
Adolescent Sexual Medicine & Challenges in Management	<ul style="list-style-type: none"> • Introduction to Sexuality in Adolescents • Evaluation of Puberty • Components of Adolescent Sexuality and Terms related to it • Stages of Sexuality Development in Adolescents - Early, Mid and Late • Assessing Sexual Health - HEADSSS / Psychosocial History and Sexual Health History • Sexual Behaviour and STD • Media and Adolescent sexuality • Comprehensive Sexuality Education
Evaluation of Sexual Dysfunction in Office Clinical Practice	<ul style="list-style-type: none"> • Male Sexual Dysfunction - Clinical Challenges Management Strategy for Gynaecologists • Effects of Tobacco on Sexual Health
Sexual Evaluation by Psychologist Perspective	<ul style="list-style-type: none"> • Sexual Medicine Clinic - Do's & Don'ts - Consents • Problem Classification • Mindfulness in Sexual Therapy - The New Trend

Curriculum

Module - 2 : Reproductive Health, Dermatology & Sexual Medicine

Chapter :

Sexual Evaluation by Psychologist Perspective

Lecture Title :

- Steps of Mx. of Psychogenic ED :
Psychotherapy or Drugs - Alone or Combined? How to Choose?
- Sex Therapy for PME - Is there a Role?
- Limitations & Concerns of Sex Therapy

Recent concepts in Sexual Dysfunction

- Relevance of Endothelial Testing

Management of Sexual Dysfunction / ED in Office Clinical Practice

- Quick History Format for Evaluating Male Sexual Dysfunction
- Using PDE5 Inhibitors Effectively
- Management of Non-Responders to PDE5 Inhibitors
- Treatment with Intra-Penile Self-Injection and VED
- Erectile Dysfunction - Evaluation. A Practical, Therapy-guided Approach for the Urologist
- Introduction to Penile Prosthesis
- Penile Prosthesis - Types and Approaches
- Complications of Penile Prosthesis
- Sex Therapy for Sexual Dysfunction
- Erectile Dysfunction
- Management of Priapism
- Congenital Penile Curvature & Peyronie's Disease
- Late Onset Hypogonadism
- Case Scenarios

Curriculum

Module - 2 : Reproductive Health, Dermatology & Sexual Medicine

Chapter :	Lecture Title :
Influence of Dermatological Conditions on Sexual Function	<ul style="list-style-type: none"> • Dermatological Conditions those can Adversely Influence the Sexual Relationship • Genital Dermatoses those can Result in Sexual Dysfunctions • Certain Genital Conditions Raises Concern and Sexual Dysfunctions • Genital Hygiene
Influence of STI/HIV & Genital Variations on Sexual Function	<ul style="list-style-type: none"> • The Role of Prepuce - Phimosis, Paraphimosis and Circumcision • Balanoposthitis and Vulvoginitis • Epididymitis, Orchitis, Epididymo-orchitis and Prostatitis • Genital Discharges in Men • Female Genital Discharges • Impacts of STI-HIV on Marriage, Parenthood and Resuming Sex after Treatment • Myths and Misconceptions on STI-HIV • Serology of Syphilis and HIV • Post Exposure Prophylaxis, Pre-Exposure Prophylaxis & Universal Work Precautions • Venerophobia and HIV Phobia
Sexual Evaluation by Dermatologist Perspective	<ul style="list-style-type: none"> • Role of Female Partners and the Health Care Providers and Others in ED • Physiological Discharges and Sexual Dysfunctions
Psychiatry & Sexual Medicine	<ul style="list-style-type: none"> • Sexual Evaluation by Psychiatrist Perspective

Curriculum

Module - 2 : Reproductive Health, Dermatology & Sexual Medicine

Chapter :

Psychiatry & Sexual Medicine

Lecture Title :

- Psychiatric Disorders and Sexual Problems - Introduction
- Treatment of Psychiatric Disorders and Treatment Emergent Sexual Dysfunctions
- Adult Sexual Violence: Harassment, Assault and Rape
- Psychiatric Disorder and Sexual Dysfunction
- Sexual Addiction Disorders
- Pornography & Sexuality

Co-Morbidity & Sexual Dysfunction

- Sexual Evaluation & Mx. by General Physician Perspective
- Sexual Evaluation by Geriatrician Perspective & Mx.
- Approach to Erectile Dysfunction in Diabetes

Non ED Sexual Dysfunction : A Practical Approach

- Retrograde Ejaculation - Management
- Patient Concerns in Young: Shrinkage / Lack of Early Morning / Thin Semen / Decrease in Force of Ejaculation
- Premature Ejaculation - Treatment Advances and Future
- LGBTQIA+
- Traction Devices of Length and Peyronies
- Testicular, Penile and Postejaculatory Pain - Mx. and Role of Surgery
- Hypoactive Sexual Desire Disorder
- Phimosis: Foreskin Stretching Devices
- Infertility & Sexual Dysfunction
- Case Scenarios

Curriculum

Module - 2 : Reproductive Health, Dermatology & Sexual Medicine

Chapter :

Guidelines and Complexities in Sexual Dysfunction Management

Lecture Title :

- Sexual Medicine and Sexual Dysfunction
- PME - Clinical Challenges and Treatment Modalities
- Sexual Desire Disorders - Part 1
- Sexual Desire Disorders - Part 2

Gender & Sexuality

- Purpose of Knowledge & Knowhow in Gender Issues
- Terminologies : Why the Changes? Present State of Art
- Hormone Therapy

Surgical Videos and Tips & Tricks

- Penile Lengthening
- Fat Derived Stem Cell Girth Augmentation
- Use of Fillers and More
- Peyronies Disease Treatment
- Peyronies Disease - Treatment with Injection & Other Drugs
- Solutions for Psychological Problems for Sexual Dysfunction
- Male to Female (MTF) - Part 1 - Gender Reaffirmation Surgery - Surgical Principles - Procedures
- Male to Female (MTF) - Part 2 - Gender Reassignment Surgery - Surgical Steps : Live Video

Set Up and Maximize your Practice in Sexual Medicine

- Setting Up of Sexual Health & Men's Health Services in Your Center - An Effective And Simple Way
- How to Evolve a Multidisciplinary Practice

Curriculum

Module - 2 : Reproductive Health, Dermatology & Sexual Medicine

Chapter :

Expert Opinions {One to One}

Lecture Title :

- Mx. of ED Rx. Failures / Sudden Non Responders - Medically
- ED Management Overview
- Male Infertility Management Overview
- Peyronie's Disease
- Premature Ejaculation Diagnosis and Management

Module - 3 : Psychiatry & Sexuality

Chapter :

Introduction to Sexual Health

Lecture Title :

- Introduction to Sexual Health - Why it is Important
- Dimensions of Sexuality
- Kamasutra and Other Classics - Lessons to Learn
- Demystifying Sex

Psychosexual Development – Clinical Issues

- Psychosexual Development in Children
- Genetic Issues & Intersex Conditions
- Cognitive, Behavioural & Interpersonal Perspectives of Male Sexual Dysfunction
- Cognitive, Behavioural, and Interpersonal Perspectives of Sexual Dysfunctions in Females
- Human Sexual Response - Male
- Human Sexual Response - Female
- Adult Sexuality : Pre-marital, Marital & Extra Marital Issues

Curriculum

Module - 3 : Psychiatry & Sexuality

Chapter :

Basics of Sexuality

Lecture Title :

- Male Sexual Anatomy - Part 1
- Male Sexual Anatomy - Part 2
- Female Sexual Anatomy - Part 1
- Female Sexual Anatomy - Part 2

Bio-Psycho-Social Issues in Sexuality

- Understanding Brain, Behavior & Sex
- Understanding Biochemistry of Sex
- Hormones & Sex
- Bio-Psycho-Social Aspects of Sexual Dysfunction

Sex & Sexuality, Myths & Misconceptions

- Male Myths
- Female Myths
- Sexual Myths
- Dhat & Psyschaesthetic Syndrome
- PLISSIT Model for Managing Sexual Dysfunctions
- OP Clinic Management

Classification of Sexual Disorders

- Classification of Psychosexual Disorders: Historical Aspects, Current Status & Future Directions

Curriculum

Module - 4 : Psychosexual Techniques, Counselling & Therapies

Chapter :	Lecture Title :
Introduction	<ul style="list-style-type: none">• Psychosexual Therapy : An Introduction
Common Psychological Causes of Sexual Dysfunction	<ul style="list-style-type: none">• Psychological Factors Responsible for Sexual Dysfunctions<ol style="list-style-type: none">1. Psychosomatic Circle of Sex2. Origin of Psychological Problems3. Immediate Psychological Causes4. Conflict-Intrapsychic Causes of Sexual Dysfunctions5. Cultural Genesis of Sexual Conflict6. The Relationship-Dyadic Causes of Sexual Dysfunction
Sex Counselling	<ul style="list-style-type: none">• Counselling for Psychosexual Dysfunctions<ol style="list-style-type: none">1. Therapeutic Alliance and Relationship2. Counselling Skills3. Approaches to Counselling for Psychosexual Dysfunctions4. Case Studies5. Key Takeaways
Cognitive Behavior Therapy	<ul style="list-style-type: none">• Sexual Dysfunction and Cognitive Behavior Therapy (CBT)<ol style="list-style-type: none">1. CBT Explained2. CBT Repertoire3. CBT Process4. Sex and Brain5. Case Studies6. Management strategies

Curriculum

Module - 4 : Psychosexual Techniques, Counselling & Therapies

Chapter :

PLISSIT Model

Lecture Title :

- PLISSIT Model of Psychological Interventions for Sexual Problems
 1. Introduction
 2. Components of PLISSIT Model
 3. EXPLISSIT Model
 4. Permission Level and Case Scenarios
 5. Limited Information and Case Scenarios
 6. Specific Suggestions and Techniques
 7. Intensive Therapy
 8. Summary and Take Home Knowledge

Principles of Sex Therapy

- Principles of Sex Therapy
 1. Explanation of Sex Therapy
 2. The Formulation
 3. Groundwork to be Undertaken before Sex Therapy
 4. Dynamics of Therapeutic Actions
 5. List of Sex Therapeutic Strategies
 6. Guidelines for Therapists
 7. The Vicious Circle of Failure and Breaking It

Sex Therapeutic Strategies

- Sex Therapeutic Strategies
 1. Concept Definition
 2. Importance of Multi Disciplinary Team Approach

Curriculum

Module - 4 : Psychosexual Techniques, Counselling & Therapies

Chapter :

Sex Therapeutic Strategies

Lecture Title :

3. Strategies in Sex Therapy
 - Sensate Focus
 - Erectile Dysfunction
 - Pre Mature Ejaculation
 - Male Orgasmic Disorder
 - Anorgasmia in Women
 - Female Orgasmic Disorder
 - Vaginismus
4. Modern Behavioural Techniques
5. Marriage & Couples Therapy
6. Family Counselling

Module - 5 : Andrology Laboratory & Embryology Laboratory

Chapter :

Setting Up of IUI Lab

Lecture Title :

- Setting Up of Andrology Laboratory
 1. Requirements
 2. Guidelines to Setup IUI Lab

Lab Maintenance

- Quality Analysis and Quality Check
 1. Media and Disposables Handling
 2. Handling of Liquid Nitrogen
 3. LN2 Tank Maintenance
 4. Handling of Sero Positive Samples

Upskilling

- Macro Evaluation, Micro Analysis & DFI by Flow Cytometry

Cell Biology of Embryology

- Anatomy of the Female Reproductive System
- Oogenesis, Spermatogenesis & Embryogenesis

Curriculum

Module - 5 : Andrology Laboratory & Embryology Laboratory

Chapter :

Setting Up an ART Lab

Lecture Title :

- Setting up of ART Lab
 1. Clean Air System
 2. Incubators
 3. Laminar Air Flow System
 4. Microscopes
 5. Micromanipulators
 6. Other essential Equipments

Introduction to IVF & ICSI Procedures

- Media & Disposables
 1. Contents of Media
 2. Handling of Media
 3. Types of Disposables
 4. Usage

Preparing Lab for the ART Procedures

- Preparing Lab for the ART Procedures
 1. Particulate Check
 2. VOC level Check
 3. pH Check
 4. Temperature Check
 5. CO2 Check
 6. Daily Check List
 7. Monthly Check List
 8. Annual check List

ART Procedures & Preparation

- Ovum Pick Up
- Conventional IVF
- Denudation

Curriculum

Module - 5 : Andrology Laboratory & Embryology Laboratory

Chapter :

ART Procedures & Preparation

Lecture Title :

- Dish & Media Preparation
- ICSI & Oocyte Morphology
- Fertilization Check and Embryo Grading
- Embryo Transfer

Trouble Shooting

- Trouble Shooting in IVF Lab

Documentation

- Documentation According Guidelines

Upgrading of Skills

- Upgrading of skills
 1. Timelapse technology
 2. IMSI
 3. PICSI
 4. Embryo Biopsy
 5. Testicular Sperm Selection
 6. Laser Assisted Hatching
 7. Artificial Activation of Oocyte

Certificate Sample


THE MEDICS ONLINE ACADEMY

POST GRADUATE CERTIFICATE

This is to certify that **YOUR NAME** has successfully completed the course in
ANDROLOGY & SEXUAL MEDICINE on DD/MM/YYYY (Completion Date)

Certified by MasterHealthPro Inc., USA


Dr. SS Vasan
Program Director




Suresh Elangovan
President & CEO

In Association with


ACADEMY FOR MEN'S HEALTH
SINGAPORE

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INTERNATIONAL SOCIETY OF FERTILITY &
REPRODUCTIVE HEALTH


SASSM
South Asian Society for Sexual Medicine
SOUTH ASIAN SOCIETY FOR
SEXUAL MEDICINE

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