

# Course Outline: Aspects of Fat Grafting and SVF

Price - 1.5 lakh plus gst for 1 day course

## I. Introduction to Fat Grafting and Stromal Vascular Fraction (SVF)

- Definition and history of fat grafting
- Overview of Stromal Vascular Fraction (SVF)
- Importance in regenerative medicine and aesthetic procedures

## II. Fundamentals of Adipose Tissue Biology

- Anatomy and physiology of adipose tissue
- Composition of adipose tissue
- Role of adipose-derived stem cells (ASCs)

## III. Stromal Vascular Fraction (SVF): In-Depth Analysis

- Composition and properties of SVF
- Regenerative potential of SVF
- Comparison between SVF and other cell-based therapies

## IV. Fat Harvesting Techniques

- Patient selection and preoperative planning
- Various harvesting methods (manual vs. mechanical)
- Practical Experience: Demonstration of fat harvesting techniques

## V. SVF Isolation Methods

- Enzymatic vs. mechanical isolation techniques
- Commercial SVF isolation systems
- Quality control and cell counting
- Practical Experience: Hands-on SVF isolation procedure

## VI. Fat Processing and SVF Enrichment

- Centrifugation and filtration methods
- SVF-enriched fat grafting techniques
- Optimal SVF-to-fat ratios

- Practical Experience: Fat processing and SVF enrichment demonstration

## VII. Application Techniques

- Facial fat grafting
- Body contouring
- Breast augmentation and reconstruction
- Scar treatment
- Practical Experience: Live demonstration of various application techniques

## VIII. Clinical Applications and Case Studies

- Aesthetic applications
- Reconstructive procedures
- Treatment of scars and adherent dermal scars
- Practical Experience: Case study analysis and discussion

## IX. Safety and Regulatory Considerations

- Potential complications and their management
- Current regulations and guidelines
- Ethical considerations

## X. Advanced Techniques and Future Directions

- Nanofat grafting
- Combination therapies (e.g., SVF with PRP)
- Emerging research and clinical trials
- Practical Experience: Discussion of advanced cases and techniques

## XI. Patient Management and Follow-up

- Pre and post-operative care
- Long-term follow-up protocols
- Managing patient expectations

## XII. Hands-on Training Sessions

- Practical Experience: Supervised fat harvesting on cadavers or models
- Practical Experience: SVF isolation and enrichment laboratory session
- Practical Experience: Fat grafting injection techniques practice

### XIII. Business Aspects and Practice Integration

- Incorporating SVF and fat grafting into your practice
- Marketing and patient education
- Cost considerations and pricing strategies

### XIV. Final Assessment and Certification

- Written examination on theoretical knowledge
- Practical skills assessment
- Certificate of completion