Facial Anatomy and Cadaver Workshop

Objective: This workshop is designed to provide registered nurses and nurse practitioners in the field of plastic surgery who are currently, or who anticipate performing facial aesthetic procedures using botulinum neurotoxins and dermal fillers, a comprehensive overview of facial anatomy and proper injection techniques. This workshop will include a cadaver demonstration performed by an anatomist in conjunction with a didactic lecture by a plastic surgeon that will demonstrate correct injection techniques and identify anatomical planes of the face.

Purpose: This workshop will discuss and appropriately identify facial musculature and anatomy for neuromodulator use, specific soft tissue, and blood vessel pathways for correct dermal filler placement. By understanding facial anatomy of the skin, soft tissue, muscle, nerve and vasculature, complications can be avoided; thereby maximizing safety and outcomes in nonsurgical aesthetic procedures.

Learning Objectives:

1. Identify the anatomy of superficial facial muscles, fat pads, arteries, veins and nerves.
2. Recognize signs of facial aging by noting areas of volume loss and bony, structural changes.
3. Understand the depth, function and surface landmarks for injection of muscles with neuromodulators.
4. Identify and recognize areas of vasculature pathways that should be considered when injecting dermal fillers in order to avoid complications of intravascular injection and possible tissue necrosis.
5. Learn how to avoid, recognize and manage complications associated with neuromodulators and dermal fillers.

Content:

I. Facial skin anatomy
   A. Depth
   B. Injection depth and technique for dermal fillers

II. Superficial muscle anatomy
   A. Forehead
   B. Eyelid
III. Soft tissue and facial fat pads
A. Upper face
B. Malar area
C. Preauricular/Parotid area
D. Jowl and lower face area
E. Temple

IV. Nerve anatomy
A. Eye area
B. Malar area
C. Mouth area
D. Chin area

V. Vascular anatomy
A. Glabellar region
B. Periorbital area including nasojugal fold
C. Alar area
D. Preauricular area
E. Perioral area (NLF)
F. Jowl

VI. Bone and Structural anatomy
A. Upper face
B. Mid face
C. Lower face