

MC.004—Head and Neck Surgery

Scientific Merit for Achievement:

The cadaveric specimens provide an opportunity for learners to have hands-on practice and testing with human anatomy. The learners may receive training via three or more ways such as simulation, live animal and NAM. Each of these training modalities provides a different perspective to the overall procedure. Overall, the NAM portion of the training is pivotal for the completeness of the learning process.

Objective:

To perform, teach, and/or perfect surgical procedures involving all regions of the head and neck that will translate to live patient surgeries utilizing as minimal of an access incision as possible to still allow for the execution of a proper technique.

Methodology to Achieve Objective:

By utilizing fresh-frozen, embalmed, or embalmed and injected cadaver specimens, the sponsor will perform, teach, and/or perfect surgeries involving the head and neck by following as closely as possible the methodology utilized in live patient surgery. The utmost care will be taken to make the most minimal incision possible to preserve any future potential for research and education, and to maintain the aforementioned consistency with live patient surgery. Many of these procedures are performed opened, endoscopic or with less-invasive incisions, with the exception of anatomy dissections, which are more targeted to the investigation of holistic orientation of multiple structures requiring larger incisions. These procedures are practiced in medicine for the treatment of multiple diagnoses for ailments of the head and neck regions including but not limited to the areas of: General Surgery, ENT, Neurosurgery/Neurologic, Vascular, Dental, Oral and maxillofacial, Plastic and reconstructive. These procedures include but are not limited to: thyroid or laryngeal tumor surgeries, bronchoscopy, tracheostomy, hearing deficit surgery, tonsillectomy, endoscopic frontal, ethmoidal, or maxillary sinus surgeries, the removal of brain, spinal and skull-based tumors, craniotomies, shunt placement, ventricular catheter insertion, and cranial repair, trigeminal neuralgia, deep brain or vagus nerve stimulation, hemifacial spasms, hemorrhages, cerebral aneurysm, AVM's, carotid stenosis, plastic and reconstructive surgeries, dental surgeries, ophthalmic dissection and procedures and anatomical dissection of all of the aforementioned regions.

Equipment, Supplies, and/or Instrumentation Potentially Required for Methodology:

- General and Micro Surgical Instrumentation
- Surgical Instrumentation and Implants Provided by Sponsor
- C-arm Fluoroscopic Unit with Technician
- Endoscope and/or Microscope
- IV tubing and pressure bag with solution
- Lead Aprons and Thyroid Shields
- Mayfield Clamp
- Pneumatic Surgical Drill
- Electrosurgical Unit (Bovie)
- Suction Source

- PPEs (Gloves, Gowns, Masks with Shields, Caps, and Shoe Covers)
- Other specialty items specified by sponsor.

Qualified Learners/Participants:

These individuals shall include board certified physicians, resident physicians, physician assistants, nurses, and other medical and non-medical learners/participants. Typically, the students are of the same specialties and of the same position in the medical/surgical field, field of study or the medical device industry.

Sponsors Approved in Utilization of Curriculum:

- Category “A”-Sponsors shall mean medical device companies, professional societies, and federal, state or local government agencies.
- Category “B”-Independent board-certified physicians, healthcare professionals and others shall be subject to MERI’s Sponsor Application process.

Faculty Approved for Instruction of Curriculum:

1) Client Sponsored Event:

Credentials review of Sponsor’s faculty and other teaching specialists is exempt from MERI’S Academic Review Board review. However, MERI expects that normally maintained faculty, teaching specialists, and Sponsor representatives are educated and trained in the content outlined in the curriculum and have other demonstrated competencies within the specific discipline or field of study to instruct learners so they maintain and improve the quality of medical care by enhancing professional skills. A fully executed “Sponsor Agreement” between MERI and outside organizations shall serve as assurance of faculty competency.

2) MERI Sponsored Event

a) None at this time.

Escorted by MERI Personnel or Non-Escorted:

- Category “A”-Sponsors as listed in “Sponsor Approved for Utilization of Curriculum” are approved to utilize MERI services both escorted and non-escorted.

Category “B”-Sponsors as listed in “Sponsors Approved for Utilization of Curriculum” are subject to utilization of escorted and/or non-escorted services through MERI’s “Sponsor Application” process.