Central Venous Catheter (CVC) Placement
Training Requirements for Residents and Fellows

Scope: This policy applies to residents and fellows in the following programs:

- Anesthesiology
- Cardiothoracic Anesthesiology
- Family Medicine
- Internal Medicine
- Emergency Medicine
- Cardiovascular Disease
- Adult Congenital Heart Disease
- Advanced Heart Failure/Transplant Cardiology
- Clinical Cardiac Electrophysiology
- Interventional Cardiology
- Critical Care Medicine
- Nephrology
- Pulmonary Disease and Critical Care Medicine
- Orthopaedic Surgery
- Otolaryngology
- Pediatric Emergency Medicine
- Vascular/Interventional
- Radiology
- Cardiothoracic Surgery
- General Surgery
- Plastic Surgery
- Vascular Surgery

Background: Current privileges are required for all faculty placing or who plan to supervise placement of Central Venous Catheters (CVCs) under elective, scheduled circumstances. Under emergent circumstances where central venous access is required as an immediate, life-saving measure, the most qualified member of the healthcare team should carry out CVC placement. Effective February of 2014, UW Medicine faculty are required to renew their CVC credentials during their credentialing cycle, through documentation of ongoing education and evidence of current experience to maintain privileges, both strongly supported by The Joint Commission. This requirement has been reviewed and is supported by the UW Medicine Central Venous Catheter Operations (CVC) Committee and by the Office of Medical Staff Appointments (OMSA) Board.

Policy: In order to ensure standard practice of central line insertion at UW Medicine and improve patient safety, all providers placing central lines at UW Medicine, including residents and fellows, must complete initial training and an annual online CVC refresher.

Requirements: Training and Clinical Experience Requirements for Incoming Residents and Fellows:

1) **CVC - eLearning Modules:** Successful completion of the CVC Overview and CVC for Practitioners eLearning modules in the UW Medicine Learning Management System (LMS) prior to commencement of training.
   - **Registration:** Incoming residents and fellows will be registered for the CVC module as part of the required eLearning module enrollment process for the Phase 1 rollout in June.
   - **Verifying Completion of Training:** Program directors and administrators will have access to completion reports (provided by the Learning Gateway team) prior to the program’s scheduled simulation training at UW-ISIS.

2) **CVC - Simulation Training at UW-ISIS:** In-person, simulation-based venous access placement through the UW Medicine Institute for Simulation and Interprofessional Studies (UW-ISIS), and satisfactory (100%) completion of all elements of the checklist during CVC placement in a simulated environment in ISIS.
Registration: Simulation training at UW-ISIS will be scheduled by the training program, to take place during program orientation (Emergency Medicine excluded). To schedule a session in UW-ISIS, please contact UW-ISIS: isisuwmc@uw.edu/206-598-2710 if occurring at UWMC or isishmc@uw.edu/206-685-4747 if occurring at HMC.

Verification of Completion of Training: Completion of simulation training will be recorded in the UW Medicine LMS by ISIS staff.

Required Annual Criteria for Ongoing Certification for CVC

1) Annual CVC Refresher eLearning Module: Successful completion of the annual CVC refresher eLearning module in the LMS. Residents and fellows will be registered for the annual refresher in the LMS, for completion during the midyear eLearning rollout (June-July). The eLearning module must be completed by July 31 each year.

AND

2) Documented Clinical Experience: Documentation of at least three (3) successful clinical CVC procedures (supervised by an attending who holds CVC Privileges) in the prior two-year period. Documentation must be submitted by July 31 for the prior academic year. Please note that the number of required procedures may be greater for some specialties.

Compliance Monitoring:

Compliance with these requirements will be monitored as follows:

1) Training: Completion of the following requirements will be documented in the UW Medicine LMS.
   - CVC Overview and CVC for Practitioners eLearning Modules
   - UW-ISIS Simulation Training
   - CVC Annual Refresher eLearning Module

2) Documented Clinical Experience: Documentation of supervised procedures will be entered in MedHub under “Procedures Certifications” by the program director and viewable to hospital staff in MedHub under https://uw.medhub.com/functions/jcaho/index.mh. Compliance with the above requirements will be overseen by the program director.

Note that the quality and safety of a resident's/fellow's clinical experience must be to the satisfaction of the Program Director. If concerns arise, the Program Director has the ability to request that an individual complete additional training or proctoring.