VASCULAR NEUROLOGY GOALS AND OBJECTIVES

Note: We will teach and embody attention to the six areas of competency that have been identified as unifying fundamental principles in residency education as noted below.

Patient Care

- Perform an accurate and specific history taking and physical examination for recognition of cerebrovascular disorders.
- History and physical examination are integrated with medical knowledge for cerebrovascular disorders to arrive at a differential diagnosis and plan.
- Make an informed diagnosis using the most current pathophysiological explanations.
- Make evidence-based treatment decisions.
- Prescribe current concepts of therapy including mechanisms of drug action and available surgical intervention.
- To provide timely service and seek appropriate consultation and support in the evaluation and treatment of cerebrovascular disease.

Medical Knowledge

- Demonstrate an understanding of the basic and neurological science background of vascular neurology and apply this knowledge to the clinical care of patients.
- Ability to explain and examine the interaction of cerebrovascular diseases with other organ systems and with other medical illnesses.
- Knowledge of the most current pathophysiological explanations for cerebrovascular disorders.

Interpersonal Skills and Professional Communication

- Communicate effectively with other health care professionals.
- Communicate with patients and their families in easily understood and culture-sensitive language.
- Work effectively as both a member of a professional group and as a group leader.
- Demonstrate the ability to serve as a consultant to colleagues and health care professionals.
- Maintain comprehensive, timely and legible medical records.

Practiced-based Learning and Improvement

- Teach the utility and appropriate use of specialty procedures (MR, CT, carotid ultrasound, echocardiogram, cerebral angiogram and CSF evaluations).
- To prioritize clinical responsibilities, provide timely service, and seek appropriate consultation and support.
- Develop the ability to use information technology to improve the practitioner's fund of knowledge and technical skills to provide better care to patients.

Professionalism

- Understand good and bad communication behavior and leadership characteristics.
- Demonstrate appropriate nonverbal behavior.
- Commitment to carrying out professional responsibilities.
- Adherence to ethical principles.
• Sensitivity to a diverse patient population, with respect for colleagues and other health professionals.
• Functions well as a team member.

Systems-based Practice
• Describe the responsibility of the individual physician to the patient, the practice and the overall health care system.
• Describe the concepts of cost containment and cost-effectiveness.
• Describe methods for ensuring that the practitioner and the practice group use scarce resources in a sound, thoughtful and cost-effective manner.
• Develop necessary skills required for the independent practice of vascular neurological care.

VASCULAR NEUROLOGY ROTATIONS

Barnes-Jewish Hospital Stroke Service

Patient Care
• Perform an accurate and specific history taking and physical examination for recognition of cerebrovascular disorders.
• History and physical examination are integrated with medical knowledge for cerebrovascular disorders to arrive at a differential diagnosis and plan.
• Make an informed diagnosis using the most current pathophysiological explanations.
• Make evidence-based treatment decisions.
• Prescribe current concepts of therapy including mechanisms of drug action and available surgical intervention.
• To provide timely service and seek appropriate consultation and support in the evaluation and treatment of neurological disease.

Medical Knowledge
• Demonstrate an understanding of the basic and neurological science background of cerebrovascular medicine and apply this knowledge to the clinical care of patients.
• Ability to explain and examine the interaction of cerebrovascular diseases with other organ systems and with other medical illnesses.
• Knowledge of the most current pathophysiological explanations for cerebrovascular disorders.

Interpersonal Skills and Professional Communication
• Communicate effectively with other health care professionals.
• Communicate with patients and their families in easily understood and culture-sensitive language.
• Work effectively as both a member of a professional group and as a group leader.
• Demonstrate the ability to serve as a consultant to colleagues and health care professionals.
• Maintain comprehensive, timely and legible medical records.

Practiced-based Learning and Improvement
• Teach the utility and appropriate use of specialty procedures (MR, CT, carotid ultrasound, echocardiogram, cerebral angiogram and CSF evaluations).

• To prioritize clinical responsibilities, provide timely service, and seek appropriate consultation and support.

• Develop the ability to use information technology to improve the practitioner’s fund of knowledge and technical skills to provide better care to patients.

Professionalism

• Understand good and bad communication behavior and leadership characteristics.
  Demonstrate appropriate nonverbal behavior.

• Commitment to carrying out professional responsibilities.

• Adherence to ethical principles.

• Sensitivity to a diverse patient population, with respect for colleagues and other health professionals.

• Functions well as a team member.

Systems-based Practice

• Describe the responsibility of the individual physician to the patient, the practice and the overall health care system.

• Describe the concepts of cost containment and cost-effectiveness.

• Describe methods for ensuring that the practitioner and the practice group use scarce resources in a sound, thoughtful and cost-effective manner.

• Develop necessary skills required for the independent practice of neurological care.

Neurology Neurosurgery Intensive Care Unit

Patient Care

• Perform an accurate and specific history taking and physical examination for recognition of neurological disorders.

• History and physical examination are integrated with medical knowledge for neurological disorders to arrive at a differential diagnosis and plan.

• Make an informed diagnosis using the most current pathophysiological explanations.

• Make evidence-based treatment decisions.

• Prescribe current concepts of therapy including mechanisms of drug action and available surgical intervention.

• To provide timely service and seek appropriate consultation and support in the evaluation and treatment of neurological disease.

Medical Knowledge

• Demonstrate an understanding of the basic and neurological science background of neurological medicine and apply this knowledge to the clinical care of patients.

• Ability to explain and examine the interaction of neurological diseases with other organ systems and with other medical illnesses.

• Knowledge of the most current pathophysiological explanations for neurological disorders.

Interpersonal Skills and Professional Communication
• Communicate effectively with other health care professionals.
• Communicate with patients and their families in easily understood and culture-sensitive language.
• Work effectively as both a member of a professional group and as a group leader.
• Demonstrate the ability to serve as a consultant to colleagues and health care professionals.
• Maintain comprehensive, timely and legible medical records.

Practiced-based Learning and Improvement
• Teach the utility and appropriate use of specialty procedures (MR, CT, EEG, carotid ultrasound, echocardiograms, cerebral angiograms, evoked potentials, sleep studies, EMG/NCV and CSF evaluations.
• To prioritize clinical responsibilities, provide timely service, and seek appropriate consultation and support.
• Develop the ability to use information technology to improve the practitioner’s fund of knowledge and technical skills to provide better care to patients.

Professionalism
• Understand good and bad communication behavior and leadership characteristics.
  Demonstrate appropriate nonverbal behavior.
• Commitment to carrying out professional responsibilities.
• Adherence to ethical principles.
• Sensitivity to a diverse patient population, with respect for colleagues and other health professionals.
• Functions well as a team member.

Systems-based Practice
• Describe the responsibility of the individual physician to the patient, the practice and the overall health care system.
• Describe the concepts of cost containment and cost-effectiveness.
• Describe methods for ensuring that the practitioner and the practice group use scarce resources in a sound, thoughtful and cost-effective manner.
• Develop necessary skills required for the independent practice of neurological care.

Rehabilitation Institute of St. Louis

Patient Care
• Perform an accurate and specific history taking and physical examination for recognition of neurological disorders.
• History and physical examination are integrated with medical knowledge for neurological disorders to arrive at a differential diagnosis and plan.
• Make an informed diagnosis using the most current pathophysiological explanations.
• Make evidence-based treatment decisions.
• Prescribe current concepts of therapy including mechanisms of drug action and available surgical intervention.
• To provide timely service and seek appropriate consultation and support in the evaluation and treatment of neurological disease.

Medical Knowledge
• Demonstrate an understanding of the basic and neurological science background of neurological medicine and apply this knowledge to the clinical care of patients.
• Ability to explain and examine the interaction of neurological diseases with other organ systems and with other medical illnesses.
• Knowledge of the most current pathophysiological explanations for neurological disorders.

Interpersonal Skills and Professional Communication
• Communicate effectively with other health care professionals.
• Communicate with patients and their families in easily understood and culture-sensitive language.
• Work effectively as both a member of a professional group and as a group leader.
• Demonstrate the ability to serve as a consultant to colleagues and health care professionals.
• Maintain comprehensive, timely and legible medical records.

Practiced-based Learning and Improvement
• Teach the utility and appropriate use of specialty procedures (MR, CT, EEG, evoked potentials, sleep studies, EMG/NCV and CSF evaluations.
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• Adherence to ethical principles.
• Sensitivity to a diverse patient population, with respect for colleagues and other health professionals.
• Functions well as a team member.

Systems-based Practice
• Describe the responsibility of the individual physician to the patient, the practice and the overall health care system.
• Describe the concepts of cost containment and cost-effectiveness.
• Describe methods for ensuring that the practitioner and the practice group use scarce resources in a sound, thoughtful and cost-effective manner.
• Develop necessary skills required for the independent practice of neurological care.

Interventional Neuroradiology

Patient Care
• Perform an accurate and specific history taking and physical examination for recognition of cerebrovascular disorders.
• Make an informed diagnosis using the most current pathophysiological explanations.
• Understand current concepts of therapy including available endovascular interventions.
• Assist faculty members with performance of interventional and diagnostic procedures.
• Manage post-operative care, including potential complications of procedures.

Medical Knowledge
• Demonstrate an understanding of the basic and neurological science background of cerebrovascular disease to determine underlying etiologies for the various disorders.
• Understand the appropriate utility of cerebral angiography, along with the potential benefits and risks.
• Interpret cerebral angiograms to arrive at differential diagnoses.
• Ability to explain and examine the interaction of cerebrovascular diseases with other organ systems and with other medical illnesses.
• Knowledge of the most current pathophysiological explanations for cerebrovascular disorders, including blood flow and vascular anatomy.

Interpersonal Skills and Professional Communication
• Communicate effectively with other health care professionals.
• Communicate with patients and their families in easily understood and culture-sensitive language.
• Work effectively as both a member of a professional group.
• Demonstrate the ability to serve as a consultant to colleagues and health care professionals.
• Maintain comprehensive, timely and legible medical records.

Practiced-based Learning and Improvement
• Teach the utility and appropriate use of specialty procedures (cerebral angiograms, intraarterial thrombolysis, carotid stenting).
• To prioritize clinical responsibilities, provide timely service, and seek appropriate consultation and support.
• Develop the ability to use information technology to improve the practitioner's fund of knowledge and technical skills to provide better care to patients.

Professionalism
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• Commitment to carrying out professional responsibilities.
• Adherence to ethical principles.
• Sensitivity to a diverse patient population, with respect for colleagues and other health professionals.
• Functions well as a team member.

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• Describe methods for ensuring that the practitioner and the practice group use scarce resources in a sound, thoughtful and cost-effective manner.
• Develop necessary skills required for the independent practice of neurological care.

**Clinical Outpatient Rotations**

**Patient Care**

- Perform an accurate and specific history taking and physical examination for recognition of cerebrovascular disorders.
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- Make an informed diagnosis using the most current pathophysiological explanations.
- Make evidence-based treatment decisions.
- Prescribe current concepts of therapy including mechanisms of drug action and available surgical intervention.
- To provide timely service and seek appropriate consultation and support in the evaluation and treatment of cerebrovascular disease.

**Medical Knowledge**

- Demonstrate an understanding of the basic and neurological science background of neurovascular medicine and apply this knowledge to the clinical care of patients.
- Ability to explain and examine the interaction of cerebrovascular diseases with other organ systems and with other medical illnesses.
- Knowledge of the most current pathophysiological explanations for cerebrovascular disorders.

**Interpersonal Skills and Professional Communication**

- Communicate effectively with other health care professionals.
- Communicate with patients and their families in easily understood and culture-sensitive language.
- Work effectively as both a member of a professional group and as a group leader.
- Demonstrate the ability to serve as a consultant to colleagues and health care professionals.
- Maintain comprehensive, timely and legible medical records.

**Practiced-based Learning and Improvement**

- Teach the utility and appropriate use of specialty procedures (MR, CT, carotid ultrasound, echocardiogram, cerebral angiogram and CSF evaluations).
- To prioritize clinical responsibilities, provide timely service, and seek appropriate consultation and support.
- Develop the ability to use information technology to improve the practitioner's fund of knowledge and technical skills to provide better care to patients.

**Professionalism**

- Understand good and bad communication behavior and leadership characteristics.
  Demonstrate appropriate nonverbal behavior.
• Commitment to carrying out professional responsibilities.
• Adherence to ethical principles.
• Sensitivity to a diverse patient population, with respect for colleagues and other health professionals.
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Systems-based Practice
• Describe the responsibility of the individual physician to the patient, the practice and the overall health care system.
• Describe the concepts of cost containment and cost-effectiveness.
• Describe methods for ensuring that the practitioner and the practice group use scarce resources in a sound, thoughtful and cost-effective manner.
• Develop necessary skills required for the independent practice of neurological care.