Educational Goals and Objectives of Training Year NS-3 (PGY4)

This is a dedicated research year. Residents participation in the clinical service is limited to covering call other residents during vacations or other appropriate absences. However, Albany Medical Center Neurological Surgery residents are expected to reach goals and objectives in six areas. Those areas and the expectations to be achieved in each area for NS-3 are:

Patient Care

The resident will develop the ability to:

- Understand the role of clinical trials in care of patients
- Understand inclusion and exclusion criterion for enrollment in clinical trials

Medical Knowledge

The resident will develop the ability to:

- Perform above the passing level of the ABNS primary examination (for credit)
- Demonstrate an advanced knowledge of anatomy, physiology and pharmacology related to inpatient and outpatient neurosurgical care
- Demonstrate an advanced familiarity with the neurosurgical literature
- Demonstrate the ability to evaluate and synthesize hypotheses regarding basic scientific investigations

Practice-Based Learning and Improvement

The resident will develop the ability to:

- Demonstrate an ongoing and improving ability to learn from errors
- Demonstrate a high capacity for work and intensity in a basic science research environment
- Develop problem-solving skills applicable to design, implementation, analysis and reporting basic science research relevant to the clinical arena
- Establish sound research and related problem-solving habits, including a familiarity with relevant research literature
- Become an integral component of a research team
- Learn significant features of outcomes research and clinical epidemiology

Interpersonal and Communication Skills

The resident will develop the ability to:

- Communicate effectively with all members of the research team
- Use communication and interpersonal skills to effectively participate in and lead research projects
- Communicate research results effectively and persuasively in writing and speech

Professionalism

The resident will develop the ability to:
- Demonstrate a commitment to academic and scientific integrity through participation in educational forums on basic and clinical research
- Participate meaningfully in ongoing professional development by submitting research for peer review to journals and national meetings

System-Based Practice

The resident will develop the ability to:

- Demonstrate an understanding of practice opportunities, practice types, health care delivery systems, and medical economics