

URPS RESEARCH ROTATION GOALS & OBJECTIVES

Upon completion of the Research Rotation the resident will demonstrate competency in the following six core competency categories, as indicated:

COMPETENCY: MEDICAL KNOWLEDGE

Goal:

Demonstration of knowledge of established and evolving basic science, translational, and clinical outcomes research in urology

Objectives:

Resident understands and is able to:

- *Explain the major clinical trials that have impacted clinical care of urologic patients (publications available to residents)
- *Explain the major contemporary advances in translational research that have impacted the field of urology (publications available to residents)
- *Utilize and interpret disease-specific and global health questionnaires to evaluate the impact of pelvic floor disorders on quality of life
- *Explain the role of the Institutional Review Board, including understanding of the process to obtain IRB project approval
- *Explain the basic quantitative techniques, including biostatistics, epidemiology, research design, and research methods
- *Understand the basic requirements of database management
- *Participate in the development of a basic science or clinical research project in urology. This project:
 - *Must be work performed by the residency during his/her residency
 - *All research involving humans and/or animals must be reviewed and approved by the human or animal IRB

COMPETENCY: PATIENT CARE AND MANAGEMENT SKILLS

Goal:

Residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objectives:

Resident must demonstrate competence in:

- *Assessment of the effects of clinical research on patient care.
- *Understand the appropriate handling of patient personal information during basic science and clinical outcomes research
- *Explain the role of the Institutional Review Board, including understanding of the process to obtain IRB project approval
- *Provide appropriate patient guidance when obtaining informed consent for participation in research project

COMPETENCY: PRACTICE-BASED LEARNING AND IMPROVEMENT

Goal:

Residents will be able to demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and continuously improve patient care based on constant self-evaluation and life-long learning.

Objectives:

Residents are expected to be able to:

- *Incorporate formative evaluation feedback into daily practice
- *Locate, appraise, and assimilate evidence from scientific studies related to their basic science or clinical research project
- *Use information technology to optimize learning

COMPETENCY: PROFESSIONALISM

Goal:

Residents will demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles.

Objectives:

Residents are expected to:

- *Demonstrate compassion, integrity, and respect for others
- *Demonstrate accountability to patients, society, and the profession
- *Be present and prepared for conferences
- *Complete the appropriate training in Research Ethics

COMPETENCY: INTERPERSONAL AND COMMUNICATION SKILLS

Goal:

Residents will demonstrate interpersonal and communication skills that result in the effective exchange of information and teaming with patients, their families, and professional associates.

Objectives:

Residents are expected to:

- *Communicate effectively with patients and families
- *Communicate effectively with physicians, health care professionals, laboratory personnel
- *Work effectively as a member of a health care and research teams
- *Act in a consultative role to other physicians and health care professionals
- *Present research projects effectively during local or national professional conferences

COMPETENCY: SYSTEMS-BASED PRACTICE

Goal:

Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.

Objectives:

Residents are expected to:

- *Work effectively in various laboratory settings and systems relevant to their clinical specialty
- * Explain systems in place to provide animal and laboratory personnel safety
- *Participate in identifying system errors and in implement potential system solutions
- *Demonstrate cost-effective management decisions