**PEDIATRICS RESIDENT RESEARCH ROTATION CURRICULUM**

\*\*All Goals and Objectives for this rotation are identical across all PL years\*\*

**GOALS AND OBJECTIVES**

The objective of the Research Rotation is to provide residents in Pediatrics and the Combined Internal Medicine-Pediatrics Program with opportunities to engage in focused, intensive scholarly activities. It is anticipated that this Rotation will enhance Residents’ abilities to formulate and undertake research endeavors.

As development and presentation of a scholarly project is a requirement of Pediatric Residency training at Stony Brook Long Island Children’s Hospital, this structured rotation should significantly facilitate satisfactory completion of this obligation.

**GOALS**

Goals of this rotation are for residents to obtain competence in several of the following areas through mentored supervision of their scholarly activities in the Program:

Posing a research question

Performing a literature review

Designing and analyzing questionnaires

Conducting sample size calculations

Performing statistical analyses

Preparing an abstract or article

Disseminating results via poster or platform presentation

**OBJECTIVES**

In achieving these goals, Residents will also demonstrate increased awareness and proficiency in related aspects of their program competencies. Improvement will be assessed in specific facets of the following categories:

**Practice-Based Learning and Improvement**

Residents will

Understand basic principles of academic and clinical research

Learn how to formulate research questions

Exhibit effective approaches for acquiring new or additional information

Develop critical, evidence-based processes for decision making

Locate appropriate resources to address specific research questions

Discuss principles of and employ common analytical and statistical methods

**Medical Knowledge**

Residents will

Identify and access up-to-date and relevant clinical information

Integrate new clinical information in design and conduct of own project

**Systems-Based Practice**

Residents will learn to

Cultivate informational resources and networks among colleagues in field

Recognize added value of and incorporate teamwork into research efforts

**Interpersonal and Communication Skills**

Residents will cultivate

Effective communication with research team members

Presentation skills for research rationale and results

Collaborative skills for facilitating research progress

**Professionalism**

Residents will demonstrate awareness and proper conduct in

Assuming responsibility for training and research duties

Ethical principles for obtaining consent, assent and competence in decision making

Resolving ethical dilemmas involved in patient recruitment, enrollment and research

Integrity and discipline in data acquisition

Honesty and appropriate recognition of others’ research contributions

Additionally, this rotation is expected to facilitate and enhance Residents’

Inquisitiveness and exploration skills

Ingenuity and discipline to accomplish research objectives

**Curricular Format and Expectations:**

1. **Prior** to starting your Research Rotation

* Identify a Research Mentor and provide the name of your mentor to the Rotation Director
* Outline a schedule for each day of the Research Rotation
* Meet with Rotation Director to discuss:
* Schedule – Develop a Day-by-Day Calendar of Research Activities,
* Rotation Goals – Identify what projects to be accomplished
* Expected Products – Delineate ‘deliverables’, e.g. literature search, print out of IRB application, meeting abstract, manuscript draft, etc.

2. **During** Research Rotation

* Meet with Rotation Director on (or before) Day 1 of Rotation to provide completed Calendar of Research block activities
* Meet with Research Mentor weekly to get feedback on work and progress
* Meet with Research Mentor at least once every two weeks to discuss research questions, direction, problems

3. At the end of the Research Rotation

* Compile Research Products as Summary Files, Documents, etc.
* Enter Files on New Innovations Portfolio function

Remember, your Research Rotation is a very flexible month. It can be devoted solely to research or can be combined with other goals that will advance your scholarly endeavors. It is important that you obtain the necessary approvals from the Program Director ***prior*** to starting your Rotation. Also, it is expected that your Rotation will be well organized in order to be maximally productive. **ENJOY!**

**Performance Expectations**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Beginning** | **Developing** | **Accomplished** | **Competent** |
|  | Description of identifiable performance characteristics reflecting a **beginning level** of performance. | Description of identifiable performance characteristics reflecting **development and movement toward mastery** of performance. | Description of identifiable performance characteristics reflecting **near mastery** of performance. | Description of identifiable performance characteristics reflecting the **highest level** of performance. |
| Medical Knowledge | PL1 | PL1, PL2 | PL2, PL3 | PL3 |
| Patient Care | PL1 | PL1, PL2 | PL2, PL3 | PL3 |
| Interpersonal and Communication Skills | PL1 | PL1, PL2 | PL2, PL3 | PL3 |
| Professionalism |  | PL1 | PL2, PL3 | PL3 |
| Practice-Based Learning and Improvement | PL1 | PL1, PL2 | PL2, PL3 | PL3 |
| Systems-Based Practice | PL1 | PL1, PL2 | PL2, PL3 | PL3 |