### Fourth Year Elective Title

**Pediatric Surgery**

<table>
<thead>
<tr>
<th>Elective Director</th>
<th>Elective Faculty</th>
<th>Elective Contact</th>
<th>Contact Phone/Fax/Email</th>
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<tbody>
<tr>
<td>Joelle Pierre, MD</td>
<td>Yi-Horning Lee, MD  Joelle Pierre, MD Shaheen Timmapuri, MD</td>
<td>Sharyce Toppin Pediatric Surgery MEB 504 New Brunswick Joni Marano MEB 500A (NB)</td>
<td>Ph. 732-235-8351  Ph. 732-235-6160 <a href="mailto:maranoj@rwjms.rutgers.edu">maranoj@rwjms.rutgers.edu</a> <a href="mailto:reedsn@rwjms.rutgers.edu">reedsn@rwjms.rutgers.edu</a></td>
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<thead>
<tr>
<th>Blocks Available</th>
<th>Duration/Weeks</th>
<th>Hours Per Week</th>
<th>Students</th>
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<tbody>
<tr>
<td></td>
<td>Min 2; Max 4</td>
<td>Variable</td>
<td>Max 1</td>
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<thead>
<tr>
<th>Lectures/Seminars</th>
<th>Outpatient</th>
<th>Inpatient</th>
<th>Housestaff</th>
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<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<table>
<thead>
<tr>
<th>Night Call</th>
<th>Weekends</th>
<th>Lab</th>
<th>Exam Required</th>
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<tbody>
<tr>
<td>Call</td>
<td>No</td>
<td>Optional</td>
<td>No</td>
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Any 3rd-year student wishing to partake of this elective may request permission to do so by making that request to Ms. Joni Marano (maranoj@umdnj.edu, 732-235-6160). This written permission (Email is acceptable) must be presented to the Registrar’s Office prior to the 3rd-year student registering for the elective.

### Overall Educational Goal of Elective

The overall goals of the Pediatric Surgery elective for students are:
- Be the “first evaluator” of patient who presents to the Pediatric Surgical service for an elective or acute surgical problem
- Perform complete history and physical examinations on new Admissions to the Pediatric Surgery service
- Independently establish a differential diagnosis
- Write admitting and daily patient diagnostic and therapeutic orders, under the supervision of a resident, physician assistant and/or attending physician
- Evaluate patients on a daily basis on morning rounds, and serve as the principle care giver, under the direct supervision of a resident, physician assistant and attending physician
- Develop clinical and procedural skills necessary to the management of the Pediatric Surgery patient
- Develop skills required for interdisciplinary patient care

In addition, students will be expected to:
- Develop an understanding of the pre-and post-operative management issues particular to the pediatric patient
- Identify the common presenting surgical problems among: neonate, infants, children and adolescents

This elective is designed to give the student an opportunity to work closely with the attending Pediatric Surgeons and general surgery Residents, giving perioperative or non-operative care to pediatric patients who require surgery. A sub-intern experience will be given, enabling the student to better understand his/her responsibilities in the residency years. Literature review and preparation for conference will help improve students understanding of pediatric surgery.
OBJECTIVES
To provide a day-to-day experience and increased understanding of the management of Pediatric Surgery patients.

Patient Care
To learn a thorough history and physical exam and develop and execute patient care plans appropriate for a Pediatric Surgical patient. Students should pre-round on their patients, anticipate care needs, present patients on rounds and discuss patient progress or complications. They should be involved in all aspects of ongoing care for these patients.

Medical Knowledge
To identify common congenital problems necessitating surgical intervention, including inguinal and diaphragmatic hernias; abdominal wall defects; esophageal and T-E malformations; intestinal malrotations and atresias; as well as common inflammatory and neoplastic disorders of infancy and later childhood. The students should review their operating room cases preoperatively and know the relevant anatomy.

Practice-based Learning and Improvement
Investigation and evaluation of their own patient care. Recognize and apply evidence-based medicine and strive for improvements in patient care. One should critique personal practice outcomes and demonstrate recognition of the importance of lifelong learning in surgical practice.

Interpersonal and Communication Skills
Develop effective information exchange with patients, their families and other health care professionals. This includes counseling and educating patients and families and effectively documenting practice activities.

Professionalism
Maintaining high standards of ethical behavior and demonstrate sensitivity to age, gender, and culture of patients and other health care professionals.

System-based Practice
Understand how care for the pediatric surgical patient affects other health care professionals, the health care organization, and the larger society and how these elements of the system affect their own practice.

BRIEF DESCRIPTION OF ACTIVITIES
This is a two- to four-week experience in which the student will have the opportunity, with supervision, to function as an intern on the Neurosurgery service and to participate in the pre-operative and post-operative care of the Neurosurgery Service patients. Students will function as a member of a team and will be expected to participate in daily morning and evening rounds (including weekends), office hours as scheduled operations for their service and call as assigned. Typical service schedules will be available on the first day of the rotation.

METHOD OF STUDENT EVALUATION
Faculty and Residents will assess student performance in the competency areas described above. No written tests are required.

ARE THERE ANY PREREQUISITES FOR THIS ELECTIVE? Yes, Pediatric & Surgery Clerkships

IS THIS ELECTIVE AVAILABLE TO THIRD YEAR MEDICAL STUDENTS AS WELL? Yes