



### ***EXPERIENTIAL PROGRAMS***

***Preceptor Name: Michele Danish, Pharm.D.***

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### ***Rotation Description***

**Location:** Our Lady of Fatima Hospital  
200 High Service Avenue  
North Providence, RI 02904

### **Site Description Information:**

St. Joseph Health Services is comprised of two hospitals: Our Lady of Fatima Hospital, an acute care medical surgical community hospital located in North Providence, and St. Joseph Hospital for Specialty Care, a specialty hospital offering rehabilitation, transitional care, psychiatric and outpatient services, located in Providence. These are non-teaching institutions. There are no formal rounds with the attending staff. There are daily interdisciplinary rounds with nursing, case managers, nutritionists and pharmacists. The pharmacy staff is very involved in clinical interventions and interacts on a daily basis with the attending physicians. Since 1981, we have provided a pharmacokinetic dosing service. Clinical pharmacy services provided by the department include pain management consultations, warfarin monitoring, renal dose adjustment, critical care patient therapy management, and dual individualization dosing of aminoglycosides and vancomycin.

### **Goals/Objectives:**

The Applied Pharmacokinetic rotation has been designed to meet several objectives:

- 1) give Pharm.D. students the opportunity to perform pharmacokinetic calculations, interpret data and make dose recommendations based on their calculations, clinical knowledge and patient status.
- 2) complete a specific pharmacokinetic/pharmacodynamic project that is of interest to the student and useful to the hospital.
- 3) “weave” pharmacokinetic and pharmacodynamic considerations into the day to day practice of the clinical pharmacist.

**Projects and/or required activities:**

The rotation has both structured and unstructured activities. The structured activities prepare the student to utilize a Bayesian forecasting kinetic computer program, make drug and dose recommendations and have an understanding of pharmacokinetic process in patients with various disease states. Upon starting the rotation the students will complete a take home “test” of basic pharmacokinetic principles and calculation of optimal dosing regimens. These are open book, ungraded tests to help the students solidify their understanding of pharmacokinetics.

With guidance from the clinical staff, the students will learn how to use computer programs, interpret results and make drug and dosing recommendations. The students will interact with the pharmacy, nursing and medical staff on a daily basis.

The individualized student activities may take several different forms. The student will have a minimum of two projects. One will involve a formulary review, authorship of a newsletter article, adverse drug report evaluation and/or extraction of data for a medication use evaluation. The second project will involve a pharmacokinetic/pharmacodynamic project which will be presented to the pharmacy staff at the end of the rotation.

Examples of projects completed by Pharm.D. students include a comparison of Cockcroft-Gault creatinine clearance estimation with the MDRD estimation of glomerular filtration and a review of the toxicokinetics of acetaminophen and alternative acetylcysteine dosing regimens for acetaminophen overdoses.

The daily schedule is flexible. It does not involve any night or weekend responsibilities. The rotation is well suited for a motivated student who can multi-task. There is ample opportunity for both directed and independent work.

**Hours of service:** 40 hours/week, usually 8 AM – 4 PM.

**Name of person who students should contact prior to start of rotation:**

Michele Danish, Pharm.D.

Email: [mdanish@saintjosephri.com](mailto:mdanish@saintjosephri.com) Phone: 456-3382

**Student Immunization Record Required?** Yes. [Two PPDS within the past year are required.](#) The Pharmacy Practice office will fax to Michele Danish, 456-3781.

**Other Requirements (Examples background checks, CORI form):**

Two letters of recommendation from the university.

**Is the social security number of the student required?**

This information is requested at the time the student receives a hospital identification badge.

**Site restrictions (Examples body piercing, artificial nails):**

**No facial piercing except for ears.**

**There is a hospital dress code all students are expected to follow.**