



PGY-2 Solid Organ Transplantation

The PGY2 Solid Organ Transplant Residency Program is conducted at the Indiana University Health Academic Health Center in downtown Indianapolis which includes Methodist and University Hospitals as well as Riley Hospital for Children. Abdominal organ transplant services are currently based in University Hospital and the cardiothoracic transplant teams are located in Methodist Hospital. All AHC hospitals serve as teaching sites for Butler and Purdue Universities Colleges of Pharmacy and the Indiana University School of Medicine. The IU Health transplant center performed over 500 total transplants in 2024.

	Heart	Intestine	Kidney	Liver	Lung	Pancreas
Adult	13	6	255	204	36	30
Pediatric	4	2	7	11		1
Total	17	8	262	215	36	31

The PGY2 solid organ transplant residency is designed to train future transplant clinical pharmacists in the inpatient and outpatient settings across both abdominal and cardiothoracic solid organ types. Additionally, the resident will gain experience managing pharmacotherapy for pre-transplant patients, living donors, patients requiring mechanical circulatory support, and intestine failure patients receiving total parenteral nutrition. Optional learning experiences in pediatric solid organ transplant are also available. Longitudinal experiences will engage the resident in didactic and experiential education for pharmacist trainees and other healthcare professionals, transplant administration activities, quality, and research initiatives. Residents may also have opportunities to participate in professional organizations, attend transplant conferences, and contribute to adherence with regulatory standards.

Through these combined learning experiences, residents will develop the ability to work collaboratively with other transplant providers to design and implement organ-specific and patient-specific pharmacotherapy plans that optimize immunosuppression while minimizing adverse effects and other complications. After successful completion of the program, residency graduates will have the necessary practice skills of a qualified solid organ transplant clinical specialist and function as an effective member of the multidisciplinary transplant team.

Application Requirements

The qualified applicant must possess a Doctor of Pharmacy Degree from an accredited college of pharmacy and must be eligible for Indiana licensure. Completion of a prior ASHP accredited PGY1 residency is required. All offers are contingent upon a background check, reference check, and preplacement health assessment, which includes a drug test.

Residency Program Director: Catherine A. Pennington, BS, MS, PharmD, BCTXP Clinical Pharmacist Specialist – Liver Transplantation Indiana University Health – University Hospital 550 N University Blvd Indianapolis, IN 46202 317.948.0383 cpennington1@iuhealth.org	Application Deadline: January 2 Requirements for application via PhORCAS: Letter of Intent Curriculum Vitae Three letters of recommendation Official college transcripts
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Rotation Structure

Required Rotation Experiences Orientation Adult Inpatient Solid Organ Transplant (4 blocks) <ul style="list-style-type: none"> • Kidney/Pancreas Transplant Surgery • Liver and Intestine/Multivisceral Transplant Surgery • Lung Transplant • Heart Transplant and Mechanical Circulatory Support Adult Outpatient Solid Organ Transplant (select 1 block) <ul style="list-style-type: none"> • Abdominal Transplant Clinics • Lung Transplant Clinic Transplant Critical Care (select 1 block) <ul style="list-style-type: none"> • Cardiovascular ICU • Medical ICU • Surgical ICU Transplant Infectious Diseases	Required Longitudinal Experiences <ul style="list-style-type: none"> • Transplant Pharmacy Grand Rounds Presentation • Research project, presentation and manuscript • Professional development and practice management • Quality, service expansion, teaching and/or writing project • Clinical and Operational Staffing (combination of operations evening shifts, on-call activities, and clinical weekends) • Transplant fellows lecture series • Transplant Selection Committees • Transplant Quality Committees
Elective Rotation Experiences <ul style="list-style-type: none"> • May repeat any required transplant experience • Transplant Hepatology or Nephrology (Internal Medicine Services) • Pediatric Transplant (Abdominal, Heart, Outpatient) • Transplant Administration, HLA lab, Quality and Research Hybrid • Any existing rotations offered by other programs 	Additional Opportunities <ul style="list-style-type: none"> • Precepting APPE and PGY1 rotations • Teaching Certificate available • Histocompatibility Lab • Organ Procurement Organization • Professional meeting attendance (AST fellows symposium, American Transplant Congress, Midyear)

Solid Organ Transplant Program Completion Requirements	
General PGY-2 Completion Requirements	Transplant Specific Completion Requirements
<ul style="list-style-type: none"> • Complete 12 months of training • Earn an “Achieved for Residency” status on at least 80% of the program objectives • Complete a research project with manuscript and present findings at the Great Lakes Pharmacy Resident Conference or other professional meeting • Complete an ACPE accredited presentation 	<ul style="list-style-type: none"> • Complete and document required solid organ transplant appendix topics • Complete two educational activities for transplant clinicians • Complete two journal clubs focusing on transplant related topics • Complete a secondary quality, teaching, or writing project

Solid Organ Transplant Residency Advisory Council	
Cardiothoracic Transplant – Methodist Hospital	Abdominal Transplant – University Hospital
Gregory Holdren, PharmD, BCTXP Laurie Schenkelberg, PharmD, BCPS Jamie Zumbrunnen, PharmD	Jeanne Chen, BS, PharmD, BCPS Emina Halimanovic, PharmD Bethany Kelly, PharmD, BCTXP

