

TRANSPLANT SURGERY OVERVIEW & HISTORY

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DR. JORGE REYES, PROFESSOR & CHIEF
DIVISION OF TRANSPLANT SURGERY



Dr. Jorge Reyes

In 1967, Dr. Tom Marchioro joined the University of Washington's medical school where he would soon establish and lead the center that performed the first kidney transplants in the Pacific Northwest (PNW). Not only did the former professor and chief of the Division of Transplant Surgery create the first kidney transplant center in the PNW, he was also a pioneer in developing an organ donation network for Washington, Alaska, Montana, and Idaho, and founded the Washington lung transplantation program. This template for creation and development has been repeated multiple times at the UW Medicine for the various organ transplant programs in place today, providing outstanding clinical care, research, education, and innovation to our community. Many transplantation milestones followed with other UW surgeons including Drs. Ed Verrier, Professor Emeritus, Cardiothoracic Surgery, [James Perkins](#), Professor, Transplant Surgery and [Michael Mulligan](#), Professor & Chief, Cardiothoracic Surgery, and is uniquely demonstrated in the timeline.

OUR RESEARCH



Dr. James Perkins

Transplant surgeons, fellows, residents, medical students, and other healthcare professionals use the services of the [Clinical and Bio-Analytcs Transplant Laboratory \(CBATL\)](#) to research ideas to improve patient care. The services of CBATL include a "think tank" of individuals to provide analytical and interpretative expertise to researchers. The multiple technical modalities of CBATL include microsimulation using Markov models, mathematical optimization to optimize resources, genomic evaluation, data mining of large clinical repositories, text analytics with natural language processing, and many machine learning algorithms for classification and survival analysis.

CBATL was organized in 2010 by Dr. James Perkins to help extremely busy clinical transplant surgeons, fellows, and residents conduct research to improve transplant patient care. CBATL has now expanded to help many others with a need in their research efforts. Since 2017, CBATL has provided support for 30 published articles, over 20 national and regional oral abstract presentations, and three international invited presentations.



If you are interested in learning how you can support the **transplant program**, please click [here](#) or email Jeannie Stuyvesant, senior director for philanthropy, at jstuy@uw.edu.

Transplant Surgery Milestones at UW

- 1968** First kidney transplant in the Pacific Northwest (PNW).
- 1985** Region's first heart transplant.
- 1989** First abdominal transplant program, comprising liver, kidney, and pancreas transplantation.
- 1990** First pancreas transplant (with kidney).
- 1990** First pediatric liver transplant performed at Children's Hospital and Medical Center (CHMC - now Seattle Children's Hospital - SCH).
- 1990** Region's first liver transplant.
- 1991** First pancreas-only transplant.
- 1992** First lung transplant in Western Washington.
- 1994** First kidney transplant with living donor unrelated to recipient.
- 1994** Region's first pediatric heart transplant performed at CHMC (now SCH).
- 1998** Region's first laparoscopic nephrectomy on a living kidney donor.
- 1999** First living related liver transplant performed at UWMC-Montlake and CHMC (now SCH); donor for the two-and-a-half-year-old boy was his mother.
- 2007** First heart-lung transplant at UWMC-Montlake.
- 2007** Region's first intestinal transplant performed at CHMC (now SCH).
- 2007** First abdominal multivisceral transplant performed at CHMC (now SCH).
- 2014** First combined lung and liver transplant.
- 2015** First adult to adult living donor liver transplant in the PNW.
- 2018** First adult multivisceral transplantation (liver, small bowel, and pancreas).
- 1968-2021** UWMC-Montlake performed 2,485 liver, 3,341 kidney, 1,101 lung, and 1,044 heart transplants.