Transplantation
A History and Future of Firsts

- **Heart-Lung Transplant First in New England**
  
  Brigham and Women’s Hospital (BWH) becomes the first hospital in Massachusetts to perform a heart-lung transplant.

- **Triple Transplant First in the U.S.**
  
  BWH performs the nation’s first triple-organ transplant, removing three organs from a single donor and transplanting them into three recipients.

- **Quintuple Lung Transplant First in the U.S.**
  
  Hundreds of BWH medical professionals work together to transplant five lungs—two from donors in the Eastern U.S. and three from donors in the Western U.S. and Canada.

- **Full Face Transplant First in the World**
  
  A BWH surgical team performs the first full face transplant in a 22-year-old man who lost his face and upper body in a boating accident.

- **Hand Transplant First in the World**
  
  A team of more than 20 medical professionals works for more than 15 hours to perform a bilateral hand transplant for a patient with a congenital condition.

- **Cyclosporin A First in the World**
  
  A research team led by Dr. Nicholas Tilney becomes the first to demonstrate the effectiveness of cyclosporin A as an immunosuppressant in kidney transplantation. To this day, cyclosporin A remains a mainstay of immunosuppressive treatment for all types of solid organ transplants.

- **Antibodies First in the World**
  
  A research team led by Dr. Dinty becomes the first to demonstrate the effectiveness of antibodies in kidney transplantation. This has led to a significant improvement in patient survival.

- **Non-Identical Twin Transplant First in the World**
  
  A surgical team led by Dr. Joseph Murray transplants a kidney from one fraternal (non-identical) twin to another, paving the way for the development of immunosuppressive drug azathioprine.

- **Heart Transplant First in New England**
  
  Less than ten days after a surgical team led by Dr. John Collins performs the first heart transplant in New England, the same team replaces the heart of a second recipient, a six-year-old boy.

- **Deceased Donor Transplant First in the World**
  
  A surgical team led by Dr. Murray transplants a kidney from a deceased donor. This procedure includes the first clinical use of the immunosuppressive drug azathioprine.

- **Human Organ Transplant First in the World**
  
  A surgical team led by Dr. Joseph Murray transplants a kidney from one identical twin to another. Dr. Murray receives the Nobel Prize for this work and his subsequent development of immunosuppressive drugs.

- **Non-Identical Twin Transplant First in New England**
  
  A surgical team led by Dr. Murray transplants a kidney from one fraternal (non-identical) twin to another, paving the way for the development of immunosuppressive drug azathioprine.

- **Partial Face Transplant First in New England**
  
  The BWH face transplant team, led by Dr. Bohdan Pomahac, successfully performs the first partial face transplant in New England for a patient with a severe disfigurement.

- **Full Face Transplant First in the U.S.**
  
  BWH performs the first full face transplant in a 22-year-old man who lost his face in a boating accident.

- **Deceased Donor Transplant First in the World**
  
  A surgical team led by Dr. Murray transplants a kidney from a deceased donor. This procedure includes the first clinical use of the immunosuppressive drug azathioprine.

- **First in New England**
  
  BWH performs the nation’s first triple-organ transplant, removing three organs from a single donor and transplanting them into three recipients.

- **Full Face Transplant First in New England**
  
  A BWH surgical team performs the first full face transplant in a 22-year-old man who lost his face in a boating accident.

- **Hand Transplant First in the World**
  
  A team of more than 20 medical professionals works for more than 20 hours to perform a bilateral hand transplant for a patient with a congenital condition.

- **Heart-Lung Transplant First in New England**
  
  Brigham and Women’s Hospital (BWH) becomes the first hospital in Massachusetts to perform a heart-lung transplant.

- **Quadruple Transplant First in the World**
  
  BWH performs the first quadruple transplant, transplanting four organs from one single donor—two kidneys, one liver, and one heart—to four recipients.