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Transformative Xenotransplant provides new options and hope for the future.

A better state of care.

University of Maryland School of Medicine faculty physicians recently performed a historic cardiac xenotransplant at the University of Maryland Medical Center (UMMC). This was the realization of years of research including xenotransplantation of organ and islet grafts, and subsequent transplantation of genetically modified porcine hearts, into non-human primates. A xenotransplant in a human required overcoming substantial hurdles encompassing ensuring the pig heart was optimally viable before transplantation, minimizing acute injury by preformed anti-pig antibodies, and eliminating any induced clinical or natural immune response when transplanted.

The University of Maryland Transplant Center combines pioneering research with cutting-edge procedures. For example, robot-assisted surgery for nephrectomy and kidney implantation yields expanded options for overweight recipients and donors. UMMC’s deep expertise in minimally invasive procedures results in faster healing, less pain, and improved cosmesis.

The relentless pursuit of better outcomes, demonstrates that the patient is at the heart of all that UMMC does.

Visit umm.edu/XenoBrief to read more about this unprecedented pig-to-human heart transplant.

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