Background / Objectives: Acute rejection in kidney transplant patients is a known occurrence, especially within the first year of transplantation. The kSORT monitoring assay is designed to reduce the frequency of rejections or rejectioin within the first year of transplanting, by 45 to 67 percent of the years. Acute rejection is a major cause of early kidney transplant failure. The objective of this study was to evaluate the potential budget impact of the kSORT monitoring assay in kidney transplant patients in the United States.

Methods: The model is intended to explore the potential financial impact from a US, minority perspective of the kSORT assay in a national cohort of patients who have undergone a renal transplant. The model projects the impact of adoption of the product over the course of two years, in a cost-conscious environment with the cost of the technology, and the cost of the disease, and the cost of rejection. The model was developed using microsimulation modeling with third-party data from 2012. Clinical and survival inputs and assumptions were based on information from the literature and a consensus conference. Model inputs were calibrated to approximate actual rates of ACR and GF, obtained from the SRTR/OPTN registry data1, while ensuring that modelled rates of SCR were within the range associated with long-term effects. Previous studies have suggested that the occurrence of acute rejection (ACR) and decreased kidney function (GF) are both time-dependent, and are associated with a range of probabilities. These scenarios include the following:

- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Costs
- GF Rates
- ACR-Related Co...