

Updates in Asian Registry ASTREG / Living Donor Registry

The living donor registry in Hong Kong

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The Hong Kong Living Donor Registry (LDR) was established in 2022 under the Central Renal Committee of Hospital Authority of Hong Kong (HA). The system interfaced with the HA electronic health records and the Organ Registry and Renal transplantation system (ORTS) allowing direct data download from these two systems. The Registry serves as a tool for living kidney donor evaluation and for post-donation follow up for all living donor candidates and donors. The LDR also serves as a registry to register potential donors who are interested for paired kidney exchange. The goal of setting up the living donor registry is to acquire life-time follow-up information of the donors, to understand the long-term risks attributable to donation as well as to understand factors associated with candidate approval and the barriers in living kidney donation evaluation.

Donor candidate's demographic data, basic laboratory results, comorbidities, tissue typing results, psychological evaluations and radiological investigation findings are collected in LDR during donor evaluation. The registry also allows collection of post-donation donor's blood pressure, body weight, BMI, serum creatinine, eGFR and urine protein level during post-donation follow-up visits. These data will be then available for reporting and further evaluation the individual transplant units.

In this presentation, key features of the LDR will be presented. Furthermore, challenges of implementing the Living donor registry as well as possible solution will be discussed.