DCR BioReG Update

A grant program to award clinical-trial-quality biospecimens and annotated de-identified data to qualifying academic medical centers involved in kidney research.

The DaVita Clinical Research (DCR) Biorepository Grant Program (BioReG) was formed support precision-based medicine innovation in nephrology. The biospecimens were collected with consent in an IRB-approved study of prevalent hemodialysis patients.

Over 4,000 ESRD patients were enrolled

Over 420,000 specimens were collected over 4 quarterly periods

Potential insights from the biorepository include improving the understanding of the pathophysiology of morbidity and mortality in ESRD, could allow the development of preventive and therapeutic approaches in patients with ESRD, and could pave the way towards the development of novel therapeutic interventions.

In 2015, DCR called for grant submissions from qualified academic medical institutions & announced the following grant award winners.

Brigham and Women's Hospital:
Dr. Sushrut Waikar

Johns Hopkins University:
Dr. Tariq Shafi

2015

University of California-Irvine:
Dr. Kamyar Kalantar-Zadeh

University of Tennessee-Memphis:
Dr. Csaba P. Kovesdy

DaVita Clinical Research

Progress to date

Publications:

Submitted for ASN 2018:

Association between Endothelin-1 Levels and Mortality among Hemodialysis Patients; Ping Li[1,2], Finnian R. McCausland[1], Sushrut S. Waikar[1]

- [1] Harvard Medical School
- [2] Dept. of Nephrology, Chinese PLA General Hospital, Beijing

Accepted by AHA:

Advanced chronic kidney disease is associated with significant reduction in serum Elabela levels: potential correlation with uremic cardiomyopathy; Masaki Goto[1,2,3], Christina Park[1,2], Elani Streja[1,2], Nosratola D. Vaziri[1], Kamyar Kalantar-Zadeh[1], Hamid Moradi[1,2]

- [1] Division of Nephrology and Hypertension, University of California, Irvine
- [2] Nephrology Section, Tibor Rubin VA Hospital
- [3] Department of Cardiology, Fukuoka University School of Medicine, Japan

Presented at ASN 2017:

Glycemic Status and Infection Risk Among Dialysis Patients; Connie M. Rhee[1], Kamyar Kalantar-Zadeh[1], Amy S. You[1], Elani Streja[1], Steven M. Brunelli[2], Gregory A. Brent[3], Csaba P. Kovesdy[4], Danh V. Nguyen[1]

- [1]University of California Irvine School of Medicine
- [2]DaVita Clinical Research
- [3]David Geffen School of Medicine at University of California
- [4]University of Tennessee Health Science Center

Presented at ASN 2017:

Serum Sodium and Bacteremia Risk in Dialysis Patients; Connie M. Rhee[1], Amy S. You[1], Elani Streja[1], Juan Carlos Ayus[2], Hamid Moradi[1], Steven M. Brunelli[3], Csaba P. Kovesdy[1], Danh V. Nguyen[1], Kamyar Kalantar-Zadeh[1]

- [1]University of California Irvine School of Medicine
- [2]Renal Consultants of Houston
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