Thomas A. Depner, M.D.

Philosophy of Care

I enjoy nephrology because it is a well-rounded specialty that requires a good foundation in general internal medicine. I also have an interest in artificial organs. In my practice, I approach each patient as an individual with unique needs. I try to empower my patients and treat them as I would members of my own family. The most important component of good health is education about the medical hazards of life. I believe in the strong commitment of UC Davis to both patient and physician education and to quality patient care.

Clinical Interests

Thomas A. Depner directs the University Dialysis Clinic and Hemodialysis Services. His research interests focus on hemodialysis solute kinetics; hemodialysis vascular access; biochemistry of chronic renal failure and associated protein binding defects; renal tubular secretion and its relationship to chronic renal failure; and albumin binding of transport substrates. He also is studying nutrition in renal failure, amino acid balance and protein catabolism.

Title

Professor

Specialty

Internal Medicine, Nephrology

Department

Internal Medicine

Division

Nephrology

Address/Phone

Lawrence J. Ellison Ambulatory Care Center, Nephrology Clinic, 4860 Y St. Suite 0200
Sacramento, CA 95817
Phone: 916-734-3761

Additional Phone

Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education

M.D., Johns Hopkins University School of Medicine, Baltimore, Maryland, 1969
B.S., University of Portland, Portland, Oregon, 1965

Internships

Case-Western Reserve University Medical School Hospital, Cleveland, Ohio, 1969-72

Residency

Case-Western Reserve University Medical School Hospitals, Cleveland, Ohio, 1970-72

Fellowships

Case-Western Reserve University Medical School Hospitals, Cleveland, Ohio, 1972-73
University of California, Davis Medical Center, Sacramento, California, 1973-74

Board Certifications

American Board of Internal Medicine, 1972
American Board of Internal Medicine, Nephrology, 1974

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Professional Memberships

Advisory Board, Dialysis Outcomes and Practice Patterns (DOPPS)
American Association of Kidney Patients
American Society for Artificial Internal Organs
American Society of Nephrology
California Dialysis Council
FDA Cardiovascular and Renal Drugs Advisory Committee
International Society for Hemodialysis
International Society of Nephrology
Kidney Foundation of Northern California
Medical Directors' Advisory Council, Dialysis Clinic Incorporated
Scientific Committee, International Quotidian Hemodialysis Registry

Select Recent Publications

Depner T: Approach to hemodialysis kinetic modeling, in Principles and Practice of Dialysis, Henrich WL, ed., Lippincott, Williams Wilkins, Baltimore, 2008 p. 79-98.

Depner T: What are the potential solutions for the problems with current methods for quantifying hemodialysis? The effective delivered dose. Semin Dial 21(5):405-7. 2008

Depner, TA: Artificial hemodialysis versus natural hemofiltration. Editorial, Am J Kidney Dis 52(3): 403-6. 2008

Kanagasundaram NS, Green T, Larive AB, Daugirdas JT, Depner TA, Paganini EP, and the PICARD Study Group: Dosing intermittent haemodialysis in the intensive care unit patient with acute renal failure-estimation of urea removal and evidence for the regional blood flow model. Nephrol Dial Transplant 2008 237:2286-98.

Yeun JY, Depner TA: Hemodialysis Adequacy, in Therapy in Nephrology and Hypertension, Wilcox CS, Berl T, Himmelfarb J, Mitch WE, Murphy B, Salant DJ, Yu ASL, eds Saunders/Elsevier, Philadelphia, 2008 Chapter 79, pp 875-893.

Daugirdas JT, Depner TA, Green T, Kuhlmann MK, Levin NW, Chertow GM, Rocco MV: Surface-area-normalized Kt/V: a method of rescaling dialysis dose to body surface area-implications for different-size patients by gender. Semin Dial 2008 215:405-7.

Daugirdas JT, Levin NW, Kotanko P, Depner TA, Kuhlmann Mk, Chertow GM, Rocco MV: Comparison of proposed alternative methods for rescaling dialysis dose: resting energy expenditure, high metabolic rate organ mass, liver size, and body surface area. Semin Dial 2008 215:377-84.

Depner T, Himmelfarb J: uremic Retention Solutes: The Free and the Bound. Editorial, J Am Soc Nephrol 18 2007 March:675-76.

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