

ODE TO DR. DEMITRIOS OREOPOULOS

Why ME?

NEPHROLOGIST-AUSTIN TEXAS-----USA

DR. OREOPOULOS

CANADA

TRANSPLANT FROM GREECE

PERITONEAL DIALYSIS

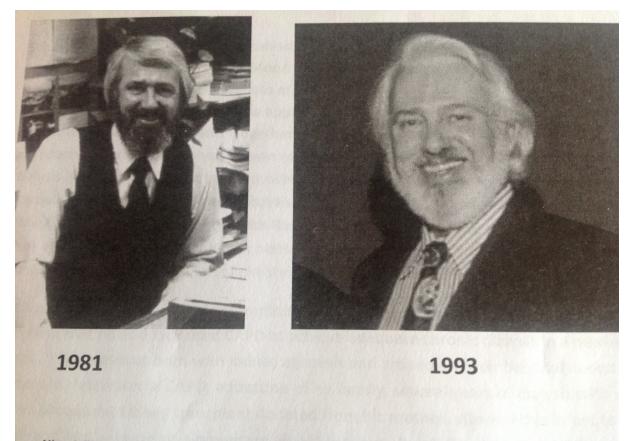
ACUTE KIDNEY FAILURE

INTERMITTENT ABDOMINAL PUNCTURE

TWO LITER (10 MIN.)-DWELL 30-45 MINUTES-DRAIN(20)

50 HOURS / WEEK-VOLUME 10-20 LITERS

INTERMITTENT



ert ("Bob") Popovich, co-inventor of CAPD, one of the founding members of the

EQUILIBRIUM PERITONEAL DIALYSIS- 1975

-----GLASS BOTTLES-2 LITERS-----

ROBERT P. POPOVICH, Ph.D.

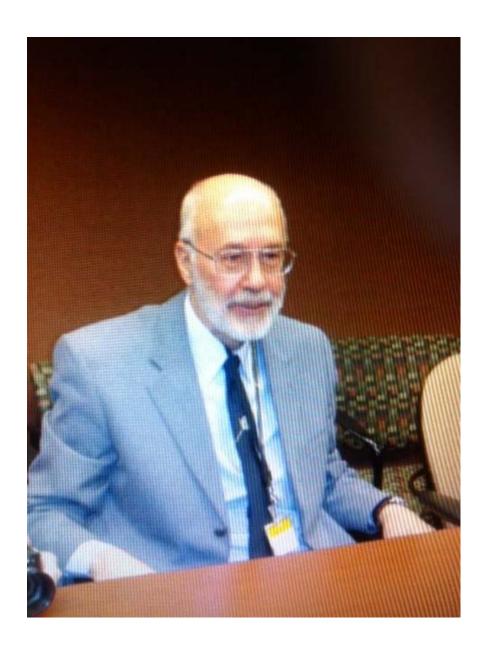
JACK W. MONCRIEF, M.D.

"THAT WON'T WORK'----"crap"-----infection more than 1 per year per patient—ASAIO ABSREACT-no 1976

KARL D. NOLPH, M.D. U. of MISSOURI-1977

(Collaboration)

Annals of Internal Medicine 1978



Continuous Ambulatory Peritoneal Dialysis (CAPD)

Jack Rubin, M.D. – Fellow with Dr. Oreopoulos

Dr. Oreopoulos had vast experience with IPD

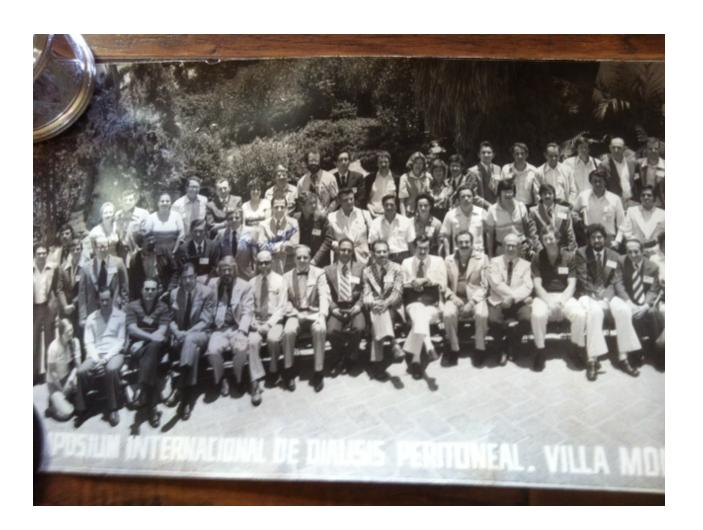
Understood and immediately adapted

LONG DWELL PD to "OREOPOULOS

TECHNIQUE" PLASTIC BAGS

!!!! WOW OCCURED!!! Heard all the way to Texas







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the future James H. re working looks like n with the d in West smallpox." e Smallpox Center for rts that his tepox virus id rodents. ild in Zaire n smallpox. ere a wild ox?"

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ican Type e company,

FDA okays plastic bags for home dialysis

BETHESDA, MD.—A threefold drop in the incidence of peritonitis in patients with chronic kidney failure treated by continuous ambulatory peritoneal dialysis can be expected now that FDA has approved plastic containers for dialysate, says Dr. Jack W. Moncrief of the Austin Diagnostic Clinic in Texas. At the same time, he predicts the approval is expected to increase markedly the number of patients who will be dialyzed by this method.

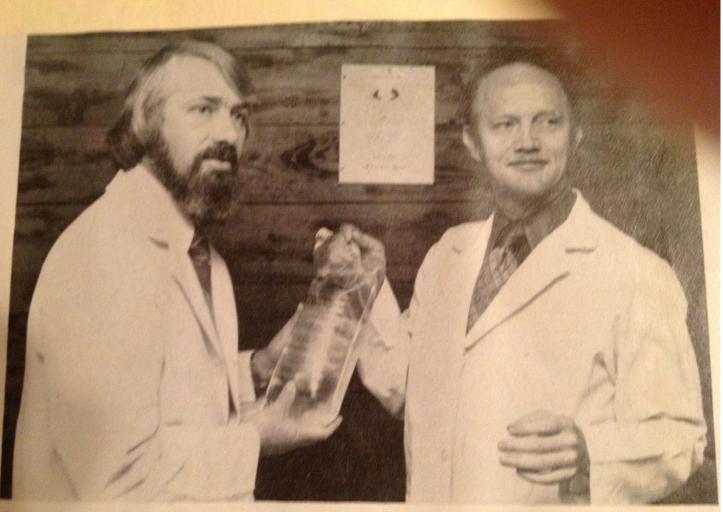
The peritoneal-infection rate is only one case for every eight patient-months in Canada, where plastic containers have been available for several years (MWN, Feb. 6, '78, p. 7). By contrast, Dr. Moncrief points out that the peritonitis rate in the U.S., where glass bottles are used, is about four times as high. The glass bottles have to be disconnected after each exchange, and this results in a higher infection rate.

A recent informal poll indicated that if plastic bags could be used for dialy-sate, at least 50 centers would consider switching some of their dialysis patients to the ambulatory procedure.

TS.

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Institute nuch like expect a se from. research k Mon-(kidney ovich, a r at the e little sys Dr.



Researchers Dr. Robert Popovich (left) and Dr. Jack Moncrief of Austin, Texas, hold in their hands what may become a widely used alternative to the kidney machine.

the life of an Austin kidney disease the infection problem will be solved.

Continuous Ambulatory Peritoneal Dialysis

the testing of the testing at the moetals for times a day. Now, the patient's catheter is acted to the tubing at all times, same tube serves to fill the scall cavity and to drain it. change the tubing once a to the patient, using aseptic pue, connects a new two-liter dialysis solution to the tuber each exchange. It takes imately six to ten minutes to mortional cavity. When it is eritoneal cavity. When it is patient clamps the tubing, bag, wraps the tubing



Dialysis solution fills the peritoneal cavity (left); empty bag and tubing are placed in a pouch until needed for drainage.



Solution drains out when bag is keeped after "dwell-time."

nections and disconnections required with the use of bottless was the principal contributing factor to high incidence of periodist.

Recently, however, some difficulties have been encountered with the connectors currently in use. These problems may have caused approximately 90 percent of the



