

HEMO or PD?

THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

Hemo or PD?

58 yo W female with PKD – large palpable kidneys (bilateral 25 cm each) – pre-dialysis with GFR of 23

Symptomatic with nausea, vomiting and weight loss

Hemo or PD?

50 yo W male with Chrohn's – history of multiple bowel obstructions requiring interventions – ESRD secondary to type I diabetes, pre-dialysis with GFR of 18

Hemo or PD?

75 yo W female with hypertensive nephropathy – recently diagnosed with stage III breast cancer – pre-dialysis with GFR of 28

Hemo or PD?

40 yo W female with Marfans syndrome – S/p thoracic aortic aneurysm repair with prolonged cross clamp, dialysis dependent x 4 months (catheter)

Hemo or PD?



Hemo or PD?

5 yo W male with congenital atrophy of kidneys – eGFR 25, healthy otherwise - multiple potential donors for kidney transplant

Hemo or PD?

Pediatric peritoneal dialysis

- Preferred dialysis mode for children
- Preserves residual renal function
- Fewer dietary and fluid restrictions
- Less disruption to the patient's daily activities
- Requires significant commitment from parents/caregivers
- CCPD preferred (nighttime)

Peritoneal Dialysis

- 11% of total on PD, compared to 79% in top performers
- Studies show 85% of candidates qualify for PD

Benefits

- In-home dialysis - preferred by majority of patients
- Less intrusion into day-to-day activities
- Better long-term outcomes (patient selection?)
- Better preservation of kidney function

Peritoneal Dialysis

WHY are fewer patients started on PD?

- **Requires greater resources for patient education**
- **Lack of personnel to teach techniques**
- **In past, reimbursement less than hemodialysis**
- **Urgent PD difficult for many providers**
- **Older patients perceived to have impairments, including cognitive, manual dexterity, and visual deficits**
- **Nephrology fellows have little experience with PD**

New Hospital Tower

- Largest single facilities project ever undertaken at Ohio State at 1.9 million square feet
- 820 large, private rooms
- 148 additional beds for patients of the OSUCCC – James
- 51 neonatal intensive care unit bassinets

