Dialysis, A Design Drill Down..

Understanding Dialysis

- Clinical & Patient Experience
  (Treatment Process/ What this means for the patient)
- Translation into Design Drivers
  (Plan Layout, Engineering Design layout, Specialty Items)
Dialysis, A Design Drill Down..

Regulatory Requirements

• CMS (Medicaid reimbursement), Joint Commission Surveys, Licensure, Testing & Certification of R/O System, HIPAA
  (separation of clean/dirty, infection control-PPE, patient information security)

  (Occupancy Classification, Rated Construction, Treatment Bay sizes, Travel routes, Handicapped Accessibility)
Clinical - Planning & Functionality

- Supply Delivery/ Waste Removal Logistics, Line of Site to Patient Treatment Stations, Travel Efficiency to Patient/Supplies/Support Equipment
Specialty System (R/O)- Loop Route Planning

• R/O Supply Line Routes, Run Above or Sleeved Below Slab, Line Radius Tolerances, Leak Points, Phased Installation
Specialty System (R/O)- Loop Route Planning

- Sleeves Below the Slab for R/O supply lines- Coordinate with Plumbing underslab drain lines- Turning Radius of sleeves to feed lines
Clinical Space Functionality - It’s a Team Effort...

Line of Sight, Patient Travel Routes/ Clinical Process - all disciplines at the table
Clinical Space Functionality - How Design Helps...

Understand ‘what happens’ in specialty rooms so design supports that function
Clinical Space Functionality - How Design Helps...

Acoustics, Durability of Finishes, Casework Specialty Features, Infection Control (Sinks/ PPE)

ACOUSTIC & LIGHTING CONTROL
DURABILITY OF FINISHES
MULTI-LAYERED FUNCTIONALITY
Clinical Space Functionality - How Design Helps...

Patient’s Experience of the Space, Clinical Support within the Treatment space
Clinical Space Functionality- Team Effort...

Ongoing Coordination- ALL TRADES...
Clinical Space Functionality - Team Effort...

Putting it All Together..
Dialysis, A Continuous Quality Control Effort

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