A New Concept in Ambulatory Dialysers for Metropolitan Areas

F L SHAPIRO, J F MURPHY and C M COMTY
Hennepin County General Hospital, Minneapolis, Minnesota, USA

This exhibit consisted of a series of photographs of the Hennepin County unit in use. Patients are expected to contribute substantially to the management of their dialysis treatment.

**Figure 1.** Floor plan of 20 bed limited care dialysis facility with two home training rooms. Ward area is 140' x 45'. The dialysers have been removed from the ward area and are located behind the wall in the service area.
Figure 2. Schematic illustrating dialyser placement behind the wall in the service room area. Blood lines pass through access panel. The drip bulb is at the head of the bed with the venous pressure tubing attached to the front of the bedside dialysis console.

Figure 3. Individual patient area demonstrating electric bed, reclining chair, access door closed, heparin pump on drop leaf shelf, bedside dialysis console recessed into the wall and drip bulb at head of patient's bed.
Figure 4. View of patient area illustrating individual telephones, television sets and nurse intercom system. The heads of the patients' beds are next to walls which open to service area. For maximum privacy, all beds face out to windows or walls and not to another bed.

Figure 5. View from service room through access door. Dialyzer remains in the service area and the blood lines fit in grooves in bottom of the access opening. The bedside dialysis consoles are hinged and have quick disconnect fittings for easy replacement of the console when necessary.
Figure 6. View of service room illustrating the dialysers, access doors to patient area, bedside dialysis consoles, insulated dialysate delivery lines and water conditioning equipment consisting of a deioniser charcoal bed filter and a water softener.

Figure 7. Dual central consoles can each supply dialysate to all 20 beds. In normal operation both units run and if one develops an alarm condition the other unit automatically takes over all stations. Allows back-up for equipment repair and servicing.