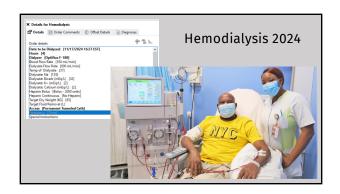
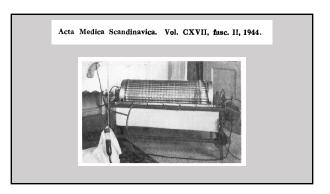
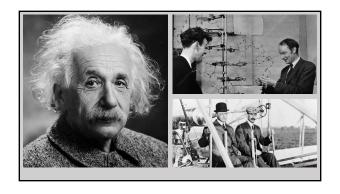
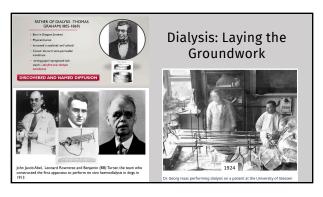


NO DISCLOSURES













"Whenever I see a problem," Willem Kolff once said, "I try to reduce it to simple terms. If the problem is very complicated, I look at whether or not there is a simple component to it. And if the simple component is an important part, I take that first."

Acta Medica Scandinavica. Vol. CXVII, fasc. II, 1944.

The Artificial Kidney: a dialyser with a great area.

By

W. J. KOLFF, Specialist for internal diseases at the Municipal Hospital of Kampen (The Netherlands);

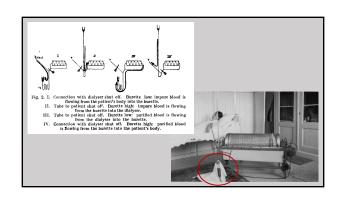
H. TH J. BERK, Mangling Director of the Kampen Beamel Works, with the collaboration of NURSE M. ter WELLE; Miss A. J. W. van der LEY;

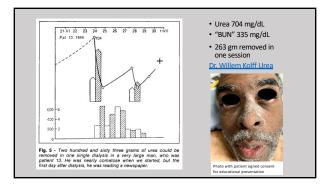
Messr. E. C. van DIJK and J. van NOORDWIJK.

(Submitted for publication October 6, 1943).

Fig. 1. A cellophane tube has been wound spirally round an aluminium cylinder. The blood within the cellophane always sinks to the lowest point.

When the drum is rotating the blood moves from left to right.





Sophia Maria Schafstad First successful life-saving human dialysis

- 16 consecutive patients did not survive Most succumbed to underlying illness
- 17th attempted hemodialysis
- September 1945
 Acute renal failure associated with reversible hepatorenal syndrome
 Recovered

- Lived another 7 years





