

Patient Device Preference for Home Hemodialysis: A Subset Analysis of the Tablo Home IDE Trial



Yaadveer Chahal, BSc¹, Troy Plumb, MD², Michael Aragon, MD¹

¹ Outset Medical, San Jose, CA; ² University of Nebraska Medical Center, Omaha, NE

BACKGROUND:

- Home hemodialysis (HD) is in critical need of new technology to facilitate its delivery, as evidenced by the recent Advancing American Kidney Health Initiative.
- The Tablo[®] Hemodialysis System is the first new technology to seek expansion into home use in nearly 15 years.
- Tablo is designed to simplify patient self-care through automation, a simplified user interface, integrated water purification and on demand dialysate production.

OBJECTIVE:

- To evaluate device preference of prior In-Home hemodialysis patients in the Tablo home investigational device exemption (IDE) trial.

METHODS:

- A prospective, multicenter, open label, cross-over trial comparing In-Center and Home HD using Tablo was conducted.
- At the time of enrollment, participants were either performing Home HD or undergoing standard In-Center dialysis.
- Prior Home HD participants were surveyed weekly during the 8-week Home period regarding their device preference with respect to ten different aspects of treatment and overall ease of use.

RESULTS:

- Thirteen of the 30 participants in the IDE trial were performing In-Home HD at the time of enrollment.
- Prior to trial, prescriptions averaged 4.5 per week with an average time of 3.1 hours per treatment.
- Trial prescriptions were for 4 days per week and an average of 3.4 hours per treatment.



Figures 1 & 2

Study parameters



CONCLUSION:

- Participants in the Tablo Home IDE with previous Home HD experience preferred Tablo compared to their prior device across every dimension.
- With its patient-centric design, on demand water purification and intuitive user interface, Tablo provides a new option for expanding home dialysis in the United States, aligning with ambitious targets recently set by policymakers.

Figure 3

Tablo preference

