

PATENTS

- US Patent Office & Overseas License 62/855069 MEASURING PRESSURE WAVES IN DIALYSIS LINES TO DERIVE CONTINUOUS ARTERIAL BLOOD PRESSURE Prof Paul Stewart, Prof Jill Stewart, et al. iTrend Medical Research Ltd. (In force until 2049).

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- L. Gullapudi, J. Stewart, K. White, TE Eldehni, P. Stewart, T. Walker, MW.Taal, NM. Selby, 'Characterisation of haemodynamic responses to haemodialysis using frequency analysis of continuous blood pressure measurements' American Society of Nephrology, Kidney Week 2019 Conference, 7-10 November 2019, Washington Convention Centre, Washington DC, USA.
- 2020 UK Kidney Week: four poster abstracts
 - CHARACTERISATION OF HAEMODYNAMIC RESPONSES TO HAEMODIALYSIS USING FREQUENCY ANALYSIS OF CONTINUOUS BLOOD PRESSURE MEASUREMENTS
 - DEVELOPMENT OF AN IN-SILICO CARDIOVASCULAR MODEL TO INVESTIGATE VASCULAR REFILLING RESPONSE DURING HAEMODIALYSIS
 - The development of novel method for non-invasive continuous blood pressure monitoring during haemodialysis
 - Validating a method of continuous non-invasive arterial pressure measurement during haemodialysis.
- 2025 UK Kidney Week: oral presentation
 - A novel system to continuously estimate blood pressure in real-time during haemodialysis: comparison against standard brachial cuff blood pressures
- Invited talks:
- Kidney Research UK Driving Discoveries Meeting Sept 2024, <https://www.kidneyresearchuk.org/2024/09/25/driving-discoveries-2024-accelerating-research/>
- UKKRC MedTech network, Feb 2026
- KRUK news story (grant funding):
 - <https://www.kidneyresearchuk.org/2021/06/11/new-study-to-predict-low-blood-pressure-during-dialysis/>