

New Era of HD therapy – HDx

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Hemodialysis (HD) is the dominant form of kidney dialysis around the world. It provides effective management of the uremic state. However, HD is associated with very high rates of cardiovascular (CV) mortality and poor health-related quality of life (QOL); resulting from high symptom burden and debilitating cognitive impairment. Most patients will never be transplanted and use of peritoneal dialysis remains limited. This talk aims to highlight emerging concepts in the mechanisms driving both death and poor quality of life, with particular reference to the central role of the dialysis process itself. Extended dialysis (HDx) is a new dialysis therapy, making use of next generation design of the dialyzer itself, to provide significantly increased clearance of larger molecules. This talk will explore the principles underpinning this treatment modality, clinical benefits and will share new information about potential impact on previously under recognized therapeutic targets including tissue accumulation of sodium and preservation of microcirculatory function during the stress of hemodialysis.