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Mid-Term Outcome of Transcatheter Aortic Valve Replacement (TAVR) in Patients with Renal Failure on Hemodialysis

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Transcatheter Aortic Valve Replacement (TAVR) in Patients With Renal Failure on Hemodialysis Ibrahim Khalil; Sakshi Patel; Mary McFarland; Puja Patel, MD; Alexander Makkinejad, BS; Dr. James K. Wu, MD Lehigh Valley Heart & Vascular Institute, LVPG Cardiac & Thoracic Surgery, Division of Cardiothoracic Surgery	Lehigh Valley Health Network, Allentown, Pennsylvania	n Results Conclusion	Among 24 patients, 14 deaths (58.3%) occurred over a ~5-year period. The average time until death post-TAVR was 1.62 years. Survivors, on average, have been alive 2.3 years post-TAVR. According to the 10 surviving patients' most recent echocardiograms, the replaced aortic	valves are still functional (AV area, LVEF, AV gradient all in normal range for TAVR). Figure 1. % Survival per year for TAVR patients with renal failure	alysis. a significantly higher mortality rate (see fig. 2), specifically death from CVA.	e.		896885884	2 0 0 0 0 0 0 0 0 0 0 0 0 0	SIC LOAN VEROES	x ts w/comorbidity * % dead patients
Mid-Term Outcome of Transcatheter Aortic Valve Ibrahim Khalil; Sakshi Patel; Mary Mc Lehigh Valley Heart & Vascular Institu		Introduction	 TAVR is a prevalent treatment choice for patients with severe aortic stenosis and high surgical risk. Dialyzed patients experience accelerated calcification and 	 degeneration of heart valve prostheses, producing a higher failure rate². At LVHN, 1106 patients underwent TAVR during the study 	 period. 24 of these patients were on dialysis. This study aims to investigate the mid-term outcomes and 	risk factors for mortality for TAVR patients with renal failure on hemodialysis.	Methods	 Kevnews on muerous more an ourset to extant or catarysts on bioprovidences as well as survivability of TAVR patients without renal failure & Patient Inclusion criteria: patient underwent TAVR while on preoperative dialysis Selection 	 A retrospective chart review was performed using Research Electronic Data Capture (REDCap) and EPIC From 1/16/2016 to 11/18/2021, 24 eligible patient records were found and then investigated using 45 different fields to compare from 	Data was compiled and categorized to investigate trends Trends were compared to that of non-dialyzed TAVR patients and conclusions were drawn	

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