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Dr. Mahrukh S Rizvi, a graduate of Weill Cornell Medicine-Qatar's (WCM-Q) Class of 2011, completed her residency in internal medicine and is board certified in nephrology and critical care medicine. In residency, she was recognized with the Dr U.C. Nigwekar Scholarship award for fostering a spirit of research and scholarship during residency. During her fellowship in critical care at the Mayo Clinic in Rochester MN, her research focused on the utility of an oral vasopressor, midodrine, in patients with severe sepsis and septic shock. She received the Star Research Achievement Award two years in a row at the 47th and 48th international annual meetings of the Society of Critical Care Medicine (SCCM).

Her clinical interests include extracorporeal organ replacement including Continuous Renal Replacement Therapies (CRRT), Molecular Adsorbent Recirculating System (MARS), and Extracorporeal Membrane Oxygenation (ECMO) as well as electrolyte derangements in the critically ill patients. She is a firm advocate for improving medical education to promote an easy, inquisitive environment which is a perfect fit for the intellectual curiosity of trainees in medicine with the ultimate goal of improving patient outcomes. Most recently, the scope of her involvement in enhancing medical education has included ICU curriculum development for rotating residents; introduction of a structured ECMO course for the critical care fellowship with curricular integration of simulation cases and virtual patients highlighting the principles of veno-venous (VV) and veno-arterial (VA) ECMO; fellow representation in Mayo Clinic's critical care education task force; and quality improvement efforts to improve rounding ethics in the ICU to optimize patient and provider satisfaction and the learning climate, amongst others. She has given talks at various platforms ranging from regional, national, and international level with particular focus on shock and renal replacement therapy in critical illness.