



Shayhaan Shaikh
MD/MBA Student
Albany Medical College



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MD/MBA Student
Albany Medical College

As a host and mentor in the Union College-Clarkson University-Albany Medical College joint Leadership in Medicine program (LIM), HCA was thrilled and privileged to host LIM interns Shayhaan Shaikh and Devneet Singh beginning in 2021, and to have the privilege to continue to host them now as Doctor of Medicine students at Albany Medical College, and to honor them with HCA's 2022 Quality and Innovation Award!

Individuals participating in the LIM are exceptional atop an already-exceptional level of student. In LIM, these are individuals who are accepted into and must successfully complete a simultaneous Baccalaureate and Master's program, and a high-performance track for direct admission into medical college upon graduation.

In preparing for spring 2021 semester's internship, HCA was advised by LIM of two candidates voicing "incredible interest" to intern with HCA on its planned research and development of a pediatric sepsis screening and intervention tool for home health.

This launched Shayhaan Shaikh and Devneet Singh's medical leadership internship with HCA, and the ensuing groundbreaking work in pediatric sepsis.

From the very first and throughout, Shay and Devneet conducted their work with unremitting devotion, skill, leadership, professionalism and commitment-to-goal.

Prior to Shay and Devneet's internship with HCA, HCA had several times attempted launch of the research needed to derive a pediatric iteration of the sepsis tool that HCA had already created for adults and implemented with home care agencies across New York State. Each research attempt was met with start-and-stop, as the available data on pediatric sepsis was yet evolving, and the

variance in health assessment measures for sepsis in the different pediatric age categories made the technical task of a standardized pediatric sepsis assessment immensely complicated.

In 2021, HCA set out again to reach this goal and included it in a grant proposal to the Mother Cabrini Health Foundation that HCA was ultimately awarded.

When HCA and LIM faculty set out to assign the internship to Shay and Devneet, it was with the optimism that it might assist with traction in the needed research, but hardly with the expectation of what was truly to come.

With guidance from the HCA team and from our sepsis clinical leader Amy Bowerman, clinical leadership of HCA member pediatric home care sites, as well as Sepsis Alliance clinical program leaders, including the chair of Global Sepsis Alliance, Shay and Devneet took on the research and development task from the “word go,” all the way to the finish.

In week after week of working sessions led by Shay and Devneet with diligence and precision, they conducted and led the research, design, drafting, refinement and ultimate development of three age-specific iterations of the first-ever New York State or national sepsis screening and intervention tool for home care pediatrics. They further worked with the group to modify the previously developed home care protocol and clinical algorithm for adult sepsis, to guide the newly drafted pediatric tools. They further drafted a unique patient and family education zone tool for pediatric sepsis.

They led vetting sessions of the drafts with State health officials and others and have worked with HCA and home care pediatric provider pilot sites for the tool to prepare beta testing and evaluation.

Shay and Devneet, with passion and stunning performance, have been the key leaders in this home care pediatric sepsis effort. In the course of their leadership, they moved all who have been involved; and with their exceptionalism, devotion to cause and exemplary character, have been the pride of this game-changing effort. They inspire the newest generation of entrants into medicine!

HCA is so honored to confer this award to Shayhaan Shaikh and Devneet Singh, and to continue our hosting of these tremendous Doctor of Medicine candidates of the Albany College of Medicine.