

RENALYTIX AI

Mount Sinai and RenalytixAI exclusive license

May 29, 2018

Mount Sinai Health System (MSHS) and Renalytix AI Plc today have entered into an exclusive multi-year license and collaboration to commercialize artificial intelligence solutions to improve kidney disease detection, management and treatment for patients with diabetes and other at-risk, large-scale patient populations.

The partnership will leverage MSHS's massive data warehouse containing over 3,000,000 patient health records and 43,000 patient records in the BioMe™ BioBank repository, and using de-identified clinical data, will create an advanced learning system to monitor and flag patients at risk for kidney disease and costly unplanned 'crashes' into dialysis. The first product launch is anticipated in Q2 2019 targeting the heart of the \$98 billion in preventable dialysis and chronic kidney disease costs. Additional major U.S. based healthcare systems are expected to participate in clinical utility data development and product launch.

"Our ability to apply the power of artificial intelligence against such a deep repository of clinical data in combination with prognostic biomarkers has the potential to change the game for all of our patients with diabetes and other populations at risk for kidney disease," said Barbara Murphy, MD, Dean for Clinical Integration and Population Health Management and Chair for the Department of Internal Medicine at the Icahn School of Medicine at Mount Sinai (ISMMS), and Chair of the RenalytixAI Scientific Advisory Board.

"This partnership represents a powerful model for translating, validating and driving high-impact medical technology as quickly and safely as possible to benefit patients, care providers and payers," said James McCullough, co-Founder and Chief Executive Officer of RenalytixAI.

This is a significant partnership for RenalytixAI with one of the largest hospital groups in the United States. The technology alongside the Mount Sinai patient database will improve patient care in End Stage Renal Disease, a significant unmet medical need. The fact that so many patients on dialysis have never seen a specialist has to change both from a patient care and cost perspective. I believe that this partnership will result in RenalytixAI being leaders in the field of kidney care, alongside Mount Sinai," said Julian Baines, RenalytixAI Executive Chairman.

Approximately 1 million patients cared for in the MSHS are either diagnosed with Type II diabetes or are of African ancestry, two of the major at-risk population segments for kidney disease. The MSHS is one of the largest integrated healthcare systems in the U.S. with over 6,500 physicians and 6,300 faculty.

"We're proud to be advancing prognostics at the nexus of artificial intelligence and healthcare analytics. The accomplished innovators and rich data resources of Mount Sinai combined with the expertise and vision of our colleagues at RenalytixAI are evolving the development of cutting-edge renal prognostics for the benefit of patients and healthcare globally," said Erik Lium, PhD, Senior Vice President at Mount Sinai Innovation Partners.

RenalytixAI expects to pursue expanded clinical utility trials through collaborations with leading academic medical centres, pharmaceutical and patient advocacy organizations in the United States and Europe beginning in 2018, followed by submission of product applications for review by the U.S. Food and Drug Administration.

About RenalytixAI

RenalytixAI Plc was established in 2018 to commercialize advanced artificial intelligence decision support and clinical management tools for improvements in patient care and cost savings in kidney disease globally.

About Mount Sinai Innovation Partners (MSIP)

MSIP is responsible for driving the real-world application and commercialization of Mount Sinai discoveries and inventions, and the development of research partnerships with industry. Our aim is to translate discoveries and inventions into health care products and services that benefit patients and society. MSIP is accountable for the full spectrum of commercialization activities required to bring Mount Sinai inventions to life. These activities include evaluating, patenting, marketing and licensing new technologies building research, collaborations and partnerships with commercial and nonprofit entities, material transfer and confidentiality, coaching innovators to advance commercially-relevant translational discoveries, and actively fostering an ecosystem of entrepreneurship within the Mount Sinai research and health system communities. For more information, visit www.ip.mountsinai.org.