First in the World Global Healthcare Alliance:

Mayo Clinic Platform Expands Distributed Data Network to Sheba Medical Center & 4 Other Hospitals in Order to Rapidly Transform Patient Care

Innovative data science will enable scalable and accessible personalized, predictive and proactive medicine for patients

Mayo Clinic Platform, a cutting-edge innovation created by the world-renowned Mayo Clinic in Rochester, Minnesota (USA) is expanding its distributed data network known as Mayo Clinic Platform Connect to include Sheba Medical Center (Israel), Hospital Israelita Albert Einstein (Brazil) and University Health Network in Canada, joining Mercy Hospital (USA), Connect's first member. **The first-of-its-kind global alliance establishes a data-sharing network that transcends language barriers and accelerates AI-based solutions by using current data science and years of clinical data to create better patient outcomes around the world.**

Mayo Clinic Platform Connect provides secure, cloud-based access to de-identified clinical data across three continents. Connect uses Mayo Clinic Platform's proprietary Data Behind Glass approach that enables each organization to work with an extensive set of de-identified data without moving it among the organizations. Each health care system keeps control over its de-identified data throughout the process.

"We describe the data needed for fair, equitable AI as having depth (types of information), breadth (number of patients) and spread (heterogeneity). To transform health care globally, we must expand our distributed data networks to every continent. We must protect privacy, adhere to international laws and regulations, and incorporate knowledge from every language. Today, three premier medical centers in South America, Canada and the Middle East are joining our network. They will inspire and guide other regions and systems to join our worldwide effort," says John Halamka, President of Mayo Clinic Platform.

Until recently, complex types of medical information such as integrated electronic health records data, radiology and pathology images, and videos were too unstructured and complex to analyze. The diversity of languages presented a significant barrier to consolidating clinical data on a global scale. With the combination of privacy-protected, cloud-based storage and the growth of AI and machine learning, Mayo Clinic Platform and the members of Connect will use aggregated, de-identified clinical data to generate patterns to pinpoint disease earlier and identify the best treatment options.

"We are thrilled to be part of this historic alliance to transform the future of health. Creating a truly global network that will break down language barriers and enable the inclusion of diverse populations, we are unlocking the potential of AI solutions to revolutionize health care worldwide. This is not just a game-changer, but a visionary leap toward data-driven health care," said Prof. Eyal Zimlichman, M.D., Chief Transformation Officer and Chief Innovation Officer at Sheba Medical Center, and director and founder the hospital's ARC Innovation Center.

The alliance will initially focus on patient outcomes through:

- Information collaboration — Secure cloud-based use of Data Behind Glass allows each collaborator to base decisions on a wider range of clinical outcomes gathered over time. The information will help scientists analyze patterns of effective disease treatment and, more importantly, disease prevention in new ways, based on reviews of incremental clinical patient data over time.
- Solution and algorithm development, validation and deployment — The resulting AI-based solutions will provide proven treatment paths based on years of patient outcomes, representing the next generation of proactive and predictive medicine that can be used by care providers around the world.

"Mayo Clinic is transforming health care, but we are not doing this work alone," Gianrico Farrugia, M.D., President and CEO of Mayo Clinic revealed. "We created Mayo Clinic Platform Connect to enable innovative organizations to join us to partner to create a healthier, more equitable future for everybody."

This is the second major agreement that Sheba has signed with the Mayo Clinic during the past year.

Last year, Mayo Clinic and Sheba Medical Center inked an agreement that will make it easier to share health technology and support early stage startup companies. This collaboration is creating an environment that enables rapid product development in the U.S. and Israeli markets, allowing technologies to be established and launched to transform health care delivery for all.

The focus of this collaboration is on cross referral and participation of startup companies from Mayo Clinic Platform Accelerate and Sheba's ARC Innovation Center.

"Sheba transcends borders to provide innovative care. The Sheba and Mayo Clinic partnership will have a significant global impact on personalized medicine," added Prof. Yitshak Kreiss MD, Director General of the Sheba Medical Center.

Photo Caption-

Left to right:

Steve Mackin・President & CEO・Mercy

Prof. Yitshak Kreiss, M.D.・CEO・Sheba Medical Center

Henrique Neves・CEO・Hospital Israelite Albert Einstein

Gianrico Farrugia, M.D.・President & CEO・Mayo Clinic

Kevin Smith, D.Phil.・CEO・University Health Network

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About Mayo Clinic Platform

Founded on Mayo Clinic's dedication to patient-centered care, Mayo Clinic Platform enables new knowledge, new solutions and new technologies through collaborations with health technology innovators to create a healthier world.

Mayo Clinic is a nonprofit organization committed to innovation in clinical practice, education and research, and providing compassion, expertise and answers to everyone who needs healing.

About Sheba Medical Center

Sheba Medical Center provides innovative, personalized medical care to patients from around the world. It is the largest, most comprehensive hospital in the Middle East and dedicated to providing advanced and compassionate medicine for everyone.

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