

Israel's Sheba Medical Center Creates Life-Saving Innovative Technologies to Lead Israel's COVID-19 Battle

During Israel's first COVID-19 wave, Sheba Medical Center emerged as the nation's leader through pioneering tactics and resourceful preparedness. As Israel suffers through the second COVID-19 wave, Sheba has produced touchless, innovative medical technologies that are saving lives in Israel and worldwide.



Sheba initiated a pilot program in July with Newsight to **enhance virus detection spectral technology that tests for COVID-19 in less than a second.**



Sheba launched a "Mega Lab" solution in July that **improves patient care through lab technology advances** that expedite lab test results and decrease human error. The "Mega Lab" is touted as the most advanced hospital lab in the world able to react within 30-60 minutes rather than three to five hours for patients.



Sheba held a shark-tank style "Corona Data Challenge" in June, a race for AI innovators to create a tool that **predicts why some coronavirus patients experience sudden deterioration.**

Sheba created Healthspace 2030, the patient room of the future **integrating AI, robotic technologies, wearable devices, virtual reality and other smart technology** to simulate the most extreme medical situations, including the current fight to save coronavirus patients.



Sheba Medical Center Mobilizes Creative COVID-19 Solutions Always Planning Three Steps Ahead

Sheba has already planned ahead for a possible disastrous winter, having **converted a huge underground parking facility** and creating a second designated area to form two isolated ICU treatment areas with 280 beds where many critically-ill patients may be treated.



Sheba is using nearly **a dozen technologies culled from Sheba's ARC Innovation Center**, a global digital healthcare leader accelerating medical innovation solutions at unprecedented speed. Pictured left, a personal robot for remote medical examinations and video communication between the patient, medical staff and family.



Sheba's ARC Innovation Center collaborated with the **IDF's 8200 Intelligence Unit to treat COVID-19 patients**, spearheaded by Sheba's telemedicine COVID-19 treatment program, one of the most unique treatment protocols in the world.



Sheba has treated 600+ COVID-19 patients, the most of any hospital in Israel (as of 7.27.20). Sheba has the most beds available in Israel to treat COVID-19 patients, and can expand every COVID-19 specialized department including a designated Critical Care Unit, Moderate Unit, Light Unit, and Maternity Ward totaling 500+ beds.



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