





Pediatric Medical Device Collaboration









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To accelerate the invention, development and commercialization of medical devices and medical info & knowledge, to profoundly improve the care and treatment of pediatric patients in Israel, the United States and globally.





Pediatric Medical Device Collaboration



- Bringing needs and capabilities together
 - Needs from the hospital, by CCMC physicians
 - Innovation and engineering capabilities, from BGU





BG3C Pediatric Medical Device Collaboration

■ Bringing needs and capabilities together







□ Past and current Projects

- Image Guided Autonomous Needle Insertion Device (IGANID)
- Clamp for Stabilization of Stomach during Sleeve Gastrectomy
- Blood Analyses Sensing in Catheter
- Prolonged administration of surfactants to the lungs of prematures based on PLGA based nano particles.
- Device for Un-blocking and Removing Secretions from Airways
- Real-Time Predictive Analytics for Earlier Intervention of Shock



 About Cincinnati Children's Hospital Medical Center

- Established in 1883
- Ranked one of the top 3 pediatric hospitals in the US
- Active medical staff of 14,000 employees
- ~ 1,200,000 patients encounters per year
- Children's Research Foundation is one of the largest pediatric research programs in the US



About Ben-Gurion University

- Established in 1969
- Ranked 18 among the world's top universities under
 50 years old
- 3rd largest university in Israel,
- 20,000 students, 35% attend advanced degree programs
- 850 faculty members, staff of 5,000 employees
- 33% of the engineering researchers at Israeli universities