



# Israel's only pediatric Motion Analysis Laboratory with Biofeedback Element opens

**In January 2019, the state-of-the-art GRAIL Motion Analysis Laboratory, with a biofeedback element, at ALYN Hospital opened. The establishment of the Motion Analysis Laboratory was made possible by the generosity of bequests from Clarice and Berl Osborne, U.K. and Irving Montak, U.S.A.**

The only one of its kind in Israel, the GRAIL Motion Analysis Laboratory, with a biofeedback element, enables ALYN Hospital physiotherapists to assess not only a child's gait, but also the upper limbs, using body sensors and strategically placed cameras, which feed data to the sophisticated data analysis software program. In addition, the system is being used not only for assessments, but also for treatment and research, which its predecessor, our GAIT Laboratory, was not equipped to do.

Simon Schless, the Director of the Motion Analysis Laboratory with its biofeedback element, who hails originally from the UK, was a physiotherapist at ALYN Hospital years ago, before continuing with his studies in Belgium, where he eventually earned a Ph.D. for his research on the use of motion analysis laboratories, similar to the one at ALYN Hospital.

He has not wasted a single moment since his arrival just over four months ago – in that time, more than 65 children have undergone treatments and assessments using the Motion Analysis Laboratory!

Furthermore, on two different occasions, a child was saved from undergoing unnecessary surgery after the referring orthopedic doctor reviewed the results of the Motion Analysis Laboratory assessment and recommended a change in the therapeutic treatment rather than opting for surgery! On another occasion, an orthopedic doctor decided to change the type of surgery performed following the assessment using the Motion Analysis Laboratory.

***According to Simon, "The GRAIL Motion Analysis Laboratory is a new and promising approach in the world of rehabilitation, and we are proud to be at the forefront of this work for the benefit of our patients and the advancement of pediatric rehabilitation worldwide."***

