

Overall Goal: To provide surgical treatment for neglected or complex orthopaedic deformities in children in India over 10 years (2013 – 2023)

Specific Aim: To provide comprehensive free surgical treatment for spinal deformities, upper and lower extremity deformities to children in Ahmedabad, India in Jan 2020

Past Experience: Performed complex spine and upper extremity procedures during annual mission trips to Ahmedabad, India from 2013-2019. Report of the 2013 trip can be accessed through the following link: <http://cincinnatichildrensblog.org/safety-and-prevention/volunteerism/mission-trip-to-india-helps-children-with-severe-scoliosis/#more>

Target Patients: Children / adolescents with limited access to medical care due to neglect or cost issues

Venue:

- 1) Health and Care Foundation, Ahmedabad (www.poliofoundation.org) for upper and lower extremity deformity correction surgeries
- 2) GCS Hospital, Naroda, Ahmedabad (www.gcsmc.org) - for spinal deformity correction surgeries

Dates: Jan 2 – Jan 8, 2020

Volunteers who traveled to India (Stayed at Radisson Blue Hotel):

Shital Parikh, MD – Orthopaedic Surgeon, CCHMC (shital.parikh@cchmc.org)

Peter Sturm, MD – Orthopaedic Spine Surgeon, CCHMC (peter.sturm@cchmc.org)

Viral Jain, MD – Orthopaedic surgeon, CCHMC (Viral.Jain@cchmc.org)

Kevin Little, MD – Hand Surgeon, CCHMC (kevin.little@cchmc.org)

Andrea Chan, MD – Hand Surgeon (University of Toronto)

Ali Kandil, MD – Anesthesia, CCHMC

Molly Lierman, CRNA – Anesthesia, CCHMC

Jenny Dorich, OT – Hand Therapist, CCHMC

Chris Bates, MD – Hand Fellow, CCHMC / University of Cincinnati

Jen Leong, MD – Pediatric Orthopaedic Fellow, CCHMC

Kevin Amongero – Medtronic

Lindsay Saiper – Evokes Inc, Neuromonitoring

Meghan Kloc – Evokes Inc, Neuromonitoring

Brief Summary of Trip

The surgical team travelled to Ahmedabad, India and examined patients on Jan 2. 98 patients were evaluated and surgical patients were shortlisted. 23 upper extremity / 5 lower extremity surgeries were performed at Health and Care Foundation.

6 Spine deformity corrective surgeries were done at GCS Hospital. The local team of physicians in India participated in these surgical procedures and would help with postoperative care of patients.

Special Thanks

1. **Medtronic** – Implant Donation for spine surgeries
2. **Allosource** – Bone graft (Allograft) Donation for surgical procedures
3. **American Society for Surgery of Hand (ASSH)** – Sponsored Hand Team through Touching Hands grant
4. **Evokes Inc** – provided neuromonitoring supplies, software, personnel

Partners in India

1. Dr Bharat Bhagat – Director, Health and Care Foundation
2. Dr Jyotish Patel – Head of Spine Unit, GCS Hospital
3. Dr Kamlesh Devmurari – Staff Orthopaedic Surgeon, Health and Care Foundation
4. Local Anesthesiologists – at Health and Care Foundation and GCS Hospital

Acknowledgment

Residents and fellows, young practicing orthopaedic surgeons who referred patients, young surgeons who assisted in surgeries, OR team, medical officers and nurses, administrative staff

Challenges

1. Instruments and Supplies
2. How to expand to provide services to more children
3. Fund-Raising