

HONDURAS



PEDIATRIC UROLOGY MISSION

November 2 - 8, 2019



“Making the world beautiful, one penis at a time”

-Dr. Andrew Freedman
surgeon



Ohana One’s inaugural pediatric urology mission to San Pedro Sula, Honduras was a resounding success. The goal of the mission was to survey the surgical need and ecosystem of San Pedro Sula, establish a partnership with the Ruth Paz Foundation, and to meet in country surgeons whom we can collaborate with to provide surgeries for children in the years to come. Our team included Dr. Andrew Freedman, Dr. Steve Lerman, Dr. Darren Filsinger, Dr. Adam Milam, nurse Sandra Rodriguez, and volunteer Juan Garcia.

In 5 short days, the team was able to perform 29 surgeries! Types of surgery performed include: abdominal wall plasty, hypospadias, hydrocelectomy, pyeloplasty, ureteral reimplantation, diverticulum clearance, diverticulum resection, vaginoscopy, genitoplasty, and fistulotomies.

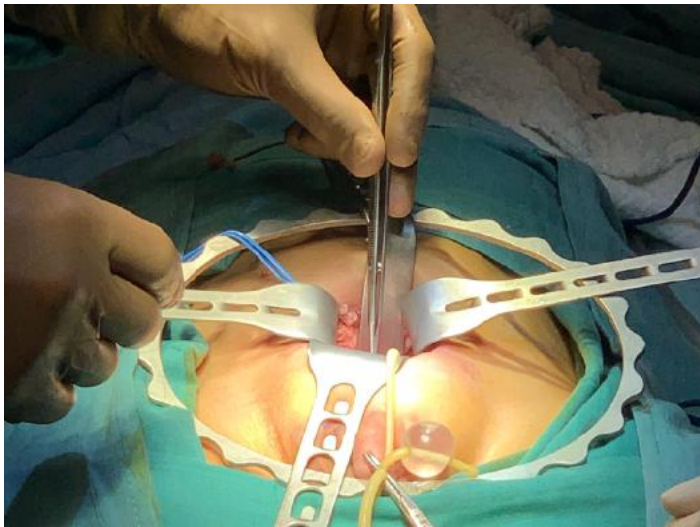
Ohana One piloted the use of smart glasses in Honduras in order to create a mechanism to screen, assist in surgery, and provide follow-up care.

We’re especially proud to work with Dr. Alex Gomez, Dr. Alejandra Hause, and Dr. Giovanni Marie - the few pediatric surgeons in Honduras who perform pediatric urology surgery. There is a backlog of over 400 children waiting to receive urology surgery. We hope to continue working with Dr. Gomez and his team to cut that list by half in the next two years.

SCENES FROM THE OR



To maximize OR availability and efficacy, our team ran two operating tables simultaneously. We were able to successfully do this thanks to the amazing OR staff at Ruth Paz Foundation who worked efficiently and meticulously around the clock.



Pyeloplasty, a surgical reconstruction of the renal pelvis (a part of the kidney) to drain and decompress the kidney. The goal of this procedure is to relieve a uretero-pelvic junction (UPJ) obstruction. The obstruction can block the flow of urine from the kidneys to the bladder.



Dr. Freedman working alongside local surgical resident, Dr. Norma Oviendo. Because we cannot be in Honduras year round, a core mission of Ohana One is to empower local communities to take ownership of their programs.

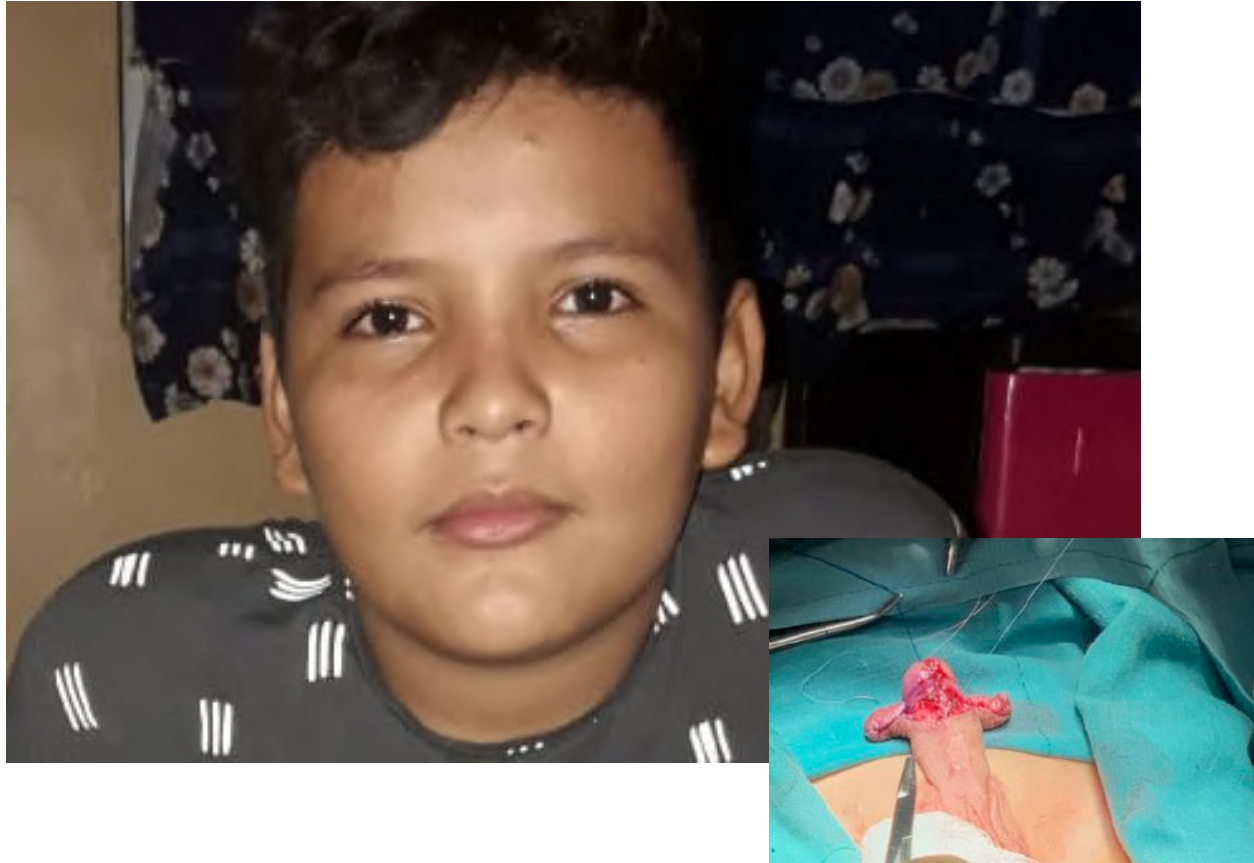
PATIENT HIGHLIGHT



Meet 7 year old Johny from El Progreso, Honduras. Johny was born with Prune belly syndrome 'PBS,' a rare condition characterized by a lack of abdominal muscles, failure of the testes to descend into the scrotum, and/or urinary tract malformation. The absence of abdominal muscles creates a wrinkled and prune appearance. In addition to physical defects, children with PBS can have serious urinary and reproductive problems.

Johny was often bullied for his abdominal protuberance. His mom, a single mother of two, traveled many hours by bus to reach San Pedro Sula in hopes of getting help for her son. Working with Dr. Gomez, our team was able to perform abdominal wall plasty for Johny. He made a quick recovery and returned to his hometown with greater self-confidence.

PATIENT HIGHLIGHT



13 yo Osman is from La Ceiba, Honduras. He was born with hypospadias, a birth defect in which the opening of the urethra is on the underside of the penis instead of the tip; and mixed genitalia, namely fallopian tubes and a vagina.

Given the complexity of his condition, Osman requires multiple surgeries in phases to repair his organs. This was his 9th surgery. Dr. Gomez and the Ohana One team repaired his hypospadias and closed an anal fistula. These surgeries will allow Osman to regain normal function of his genitalia.

IMPLEMENTING INNOVATIVE TECHNOLOGY



Dr. Freedman using Vuzix smart glasses in the OR.

What sets Ohana One apart from other surgical mission organization is our use of smart glass technology. Smart glasses allow our surgeons to visualize what their colleagues are seeing, communicate, exchange ideas, and live annotate in REAL TIME!

We have proven that this tool has many benefits. One, we are able to help screen patients before even setting foot in the country. This helps us anticipate the tools we will need to bring to for the mission. Second, after our mission team leaves a country, we can use smart glasses to provide follow-up care. And lastly, by equipping local surgeons with smart glasses, our surgeons can provide guidance and virtually “scrub into” procedures with them year-round.

Ohana One invests in people. Our innovative model bridges the gap between skilled surgeons and the people who need them in order to change millions of lives.

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