

IPNA Project Report

General information

Kidney Health for All – Preparing for the unexpected, supporting the vulnerable!

Title of Project	Developing a Plan for the care of Pediatric Kidney Patient in a High Risk Region
Date	Guatemala, June 15 th and 16 th
Location	Antigua Guatemala, Guatemala
Project director	Randall Lou-Meda
Your name and position – if different from the project director	
Contact email	Randall_lou@yahoo.com

Project's Purpose:

- To enable a group of Guatemalan Pediatric Nephrologists to be trainers in the treatment of AKI, using the Saving Young Lives (SYL) model.
- To advance the development and prepare for future implementation in Guatemala of a national plan for the care of pediatric patients receiving kidney replacement therapy in case of natural and man-made disasters.

Key Deliverables

- International experts (Dr. Melvin Bonilla-Felix, Dr. Guillermo Hidalgo and Dr. William Smoyer) delivered the **Train the Trainer SYL Course** to 13 pediatric nephrologists in Guatemala.
- The group of 13 young pediatric nephrologists gathered for a two-day, total immersion course that enabled them to standardize the medical care of pediatric AKI patients and the kidney replacement therapy strategy, including Peritoneal Dialysis (PD) catheter placement and use of custom-made solutions.
- The group devoted 3 hours of discussion to set up a **National Plan for the Care** of pediatric patients receiving kidney replacement therapy in case of disasters.

Key Milestones

- This is the second time that a **Train the Trainer SYL Course** is provided in the world.
- **Guatemala** is now a country where more than 80% of its pediatric nephrologist are **trained as trainers of the SYL AKI and Peritoneal Dialysis Course**.
- Guatemala now has a **National Pediatric AKI Registry**.

- Guatemala now has a **National Plan for the Care** of pediatric patients receiving kidney replacement therapy in case of disasters.

Reached Goals

- Thirteen young pediatric nephrologists are now trainers in the treatment of AKI, using the Saving Young Lives methodology.
- Guatemala now has a **National Plan for the Care** of pediatric patients receiving kidney replacement therapy in case of disasters.
- Guatemala now has a **National Pediatric AKI Registry**.

Top Risks

- Loss of continuity of the effort to diagnose and treat pediatric AKI and save lives locally and regionally.
- Still awaiting results of IPNA Sister Center Program application for the dissemination of SYL Courses in other Central American countries.

Opportunities

- The group of 13 pediatric nephrologists, now **SYL trainers**, have the commitment of replicating their recently acquired knowledge in each of the geographic regions where they practice. Intentionally aiming for the rural and farthest areas of the country, training general pediatricians, neonatologists, general practitioners and nurses. With this, the pediatric nephrologists will be developing a referral network in each of their areas of influence. Each of the 13 pediatric nephrologists trained, have been tasked to train at least 15 health care providers (**195 total health care** professionals) by the end of 2023).
- To enhance a Guatemalan National Registry for Pediatric AKI, and set the basis for a Central American **Registry for Pediatric AKI**. The information gathered from the Registry will guide the content and location of potential future SYL courses.
- To make known the Disaster Plan to local authorities of the Guatemalan Ministry of Health and involve the adult counterparts as well as other neighboring countries.

Other involved parties:

- Saving Young Lives
- FUNDANIER

Project attendance (numbers)

Total attendance	13 pediatric nephrologists
More details about the attendance (affiliation, speakers...)	
Melvin Bonilla-Félix	University of Puerto Rico
William Smoyer	University of Ohio
Guillermo Hidalgo	Hackensack Meridian School of Medicine
<ol style="list-style-type: none"> 1. Randall Lou 2. Sindy Méndez 3. Karla Sebastián 4. Nancy Rivera 5. Ana Leslie Gálvez 	Roosevelt Hospital. Guatemala City
6. Mynor Patzán	Hospital de Infectología. Guatemala City
7. Ileana Cifuentes	Hospital de Sololá
<ol style="list-style-type: none"> 8. Giovanni Arrivillaga 9. Katherine Mazariegos 10. Beily Sapón 	Hospital de Quetzaltenango
11. Mario García	Hospital de Coatepeque
12. Ivón Machán	Hospital de Escuintla
13. Inés Lemus	Hospital de Zacapa

Financial Report

List the expenditure covered by the project budget (add more rows if needed).

Date	Item	Price per item (USD)	Number of items	Total amount (USD)
June 15th	Airplane tickets			
	Bill Smoyer	1,175.85		3,050.76
	Melvin Bonilla-Félix	1,160.13		
Guillermo Hidalgo	714.78			
June 16th	Venue for the 2-day workshop, technical support (multimedia)	1500		1,500.00
	Material for course			
June 17th	hotel for facilitators (11 nights)	550		550.00
			TOTAL	5,100.76

SIGNATURE: Project Organizer



Name: Randall Lou-Meda

Signature: _____

Date: June 25th 2023



Drs. William Smoyer, Guillermo Hidalgo, Melvin Bonilla-Felix and Randall Lou-Meda, at FUNDANIER facility the day before the course.



The group of pediatric nephrologists and facilitators.



During training



Dr. William Smoyer with a group of trainees



Dr. Guillermo Hidalgo with a group of trainees



Dr. Melvin Bonilla-Felix with a group of trainees





“With this initiative Guatemala has set a model for the care of children and young adults with AKI in the Central American region”

Dr. Melvin Bonilla-Felix

“The first Latin American, pediatric SYL “Train the Trainers” workshop was amazing. The Guatemalan trainees are unified, creative and very well led. They are trained to raise AKI awareness and save lives. They have developed their own plan to study their AKI trends and how to strategically provide AKI treatment in the face of natural disasters”

Dr. Guillermo Hidalgo

“This “Train the Trainers” workshop was a fantastic experience for all involved, and will hopefully lead to a notable increase in the number of young lives saved from AKI in Guatemala in the future”.

Dr. William Smoyer



Appendix

1. Agenda



SYL Refresher course and Train the Trainers Workshop

Date: Thursday, June 15th
Time: 12:30pm - 8:30pm
Location: Antigua Guatemala, Guatemala.

Prep work required: review of ISPD guidelines for acute PD in children and Peritonitis management.

Time	Topic	Speaker
12h30 - 13h30	Working Lunch, Welcome/SYL program intro	Bill Smoyer
13h30 - 14h30	AKI intro. Definition, epidemiology, initial conservative management	Melvin Bonilla-Félix
14h30 - 15h30	AKI and RRT, role of PD. Sepsis and trauma.	Guillermo Hidalgo
15h30 - 15h45	Coffee break	
15h45 - 16h30	ISPD acute PD and Peritonitis guidelines. Cases	Melvin Bonilla-Félix
16h30 - 17h30	PD access. Preparations, + video	Guillermo Hidalgo
17h30 - 18h30	Hands on practical sessions (3)	All
18h30 - 19h30	Dinner	
19h30 - 20h30	Importance of generating data	Randall Lou-Meda

Friday June 16th

06h45 - 07h30	Breakfast	
07h45 - 08h30	Logistics. How to put together a workshop	Monica Moorthy
08h30 - 09h00	How to select topics, speakers, pre and post work	Guillermo Hidalgo
09h00 - 10h00	Achieving competency in training. Trainer/participants lead case discussions	All
10h00 - 10h15	Coffee Break	



10h15 - 11h00	AKI and RRT in natural disasters. Improvisation, supplies, fluids, indications.	Melvin Bonilla-Félix
11h00 - 12h30	Developing a preparedness plan for the treatment of pediatric AKI and KRT during natural and man-made disasters	Randall Lou-Meda
12h30	Closing remarks. Post course work.	Bill Smoyer