

### Follow AHD Online!

AHD is sharing the progress of Dr. David Gaus and Dr. Diego Herrera and their impact on health care in Ecuador using the latest communication avenues. Please join us in the increasingly active global health discussion on the internet!



Visit our website:  
www.andeanhealth.org



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Find Andean Health and Development on Facebook and "like" it to receive updates.

### Send us your Email Address

We are gradually switching to email newsletters to spend less on paper and more on our programs in Ecuador. Please input your email address on our website www.andeanhealth.org in the upper right corner or send an email to info@andeanhealth.org.



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- David Gaus, M.D., MPH & TM, Founding Director, Madison, WI/Pedro Vicente Maldonado, Ecuador
- Diego Herrera, M.D., VP of Saludes, Pedro Vicente Maldonado, Ecuador/Santo Domingo, Ecuador
- Laura Dries, MBA, MA, Director of U.S. Operations, Madison, WI
- Alicia Hurkman, Development Consultant, Madison, WI
- Ron Groeschl, Database Consultant New Berlin, WI

### Contact Us Anytime!

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 Website: www.andeanhealth.org  
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 AHD is tax-exempt under section 501c3.  
 Federal ID-Number: 39-1908174  
 AHD financials audited by Lulloff & Taylor, LLC, CPA  
 Hospital PVM financial audited by Pinto & Garces, Asociados Cia. Ltda.



We respectfully ask that you make a donation toward bringing quality, sustainable medical services to the poorest of the poor in rural Ecuador.

I would like to pledge \$ \_\_\_\_\_ per year for 5 years

I would like to make a one-time donation of \$ \_\_\_\_\_

Yes, I am in the Notre Dame Class of '84 so Rob Snyder will match my donations (up to \$10K each received before 6/30/11)

Kindly include your credit card information below or send a check in the enclosed envelope.

Please make checks payable to Andean Health and Development and send to:

2039 Winnebago St., #8  
Madison, WI 53704

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

Phone: \_\_\_\_\_ Today's Date: \_\_\_\_\_

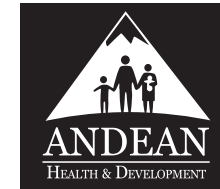
Card Type: \_\_\_\_\_ Card No: \_\_\_\_\_

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Spring Newsletter '11



### Notes from Ecuador

*"Did she say why she took the poison?" I asked the resident doctor for details when he told me we had another patient with organophosphate toxicity. This comes from ingesting a chemical used as an herbicide on hearts of palm. "No Doc, but don't forget we're still in the season."*

The season to which he was referring was Valentine's Day. We seem to see at least a few cases every year of love gone awry. Despondent folks attempt suicide by ingesting this substance. It is an extremely painful way to die.

Fortunately for the patient, the antidote is an old medicine called Atropine - generally available, but there has to be enough around. In the US we are accustomed to giving 1 to 2 amps to a patient for other conditions such as heart block, but these patients require up to 150 amps, which can be a lot more than a hospital might even have on hand. We managed to save this woman with 120 amps and other medications.

As Family Physicians, we addressed the causes of her distress after she recovered from her life-threatening intoxication. We even have a sociologist and clinical psychologist on hand to help us with patients facing these difficult situations. The difference between rural Ecuador and the US is that there are generally no services or institutions in rural Ecuador to care for people with conditions such as suicidality. The Family Doctors have to do the best they can.

This story does not have a happy ending. Although the patient survived and was ultimately sent home after some therapy, we never knew how effective our treatment was. Yes, the Atropine saved her life, but what about her mood?

Depression is hardly recognized as a disease in rural areas in a country like Ecuador. It certainly exists, but food on the table and a roof over one's head seem to be greater priorities for most.

How to diagnose and treat depression remains yet another challenge for teams of doctors like ours. Sadly, we'll continue to see patients like this for many years to come.

-David Gaus



### Land and Building Purchase in Santo Domingo



AHD is planning the building of a second, larger teaching hospital and research center in Santo Domingo



Thanks to our wonderful donors and a grant from the Ronald McDonald House Charities, Andean Health & Development purchased a beautiful property in Santo Domingo, Ecuador. Here we will build a 50-bed hospital, a physician residency and nurse training facility, and a global health research center.

This property is in a perfect location: right in the center of the city and easily accessible by bus. Construction begins this summer and we look forward to keeping you updated on our progress.

## New Housing Quarters for Residents



Andean Health & Development is building new housing quarters for the team of local physician residents. We are constructing the new building across the street from Hospital Pedro Vicente Maldonado on the land pictured here. The residents needed improved living quarters, and the new building will provide them with a positive environment to work and study. We also think this new building will improve the overall experience for our doctors and will attract the best and the brightest medical students to AHD's Physician Residency Program. The facility will be a two-story structure with a dorm and cafeteria on the second floor. The first floor will house the pharmacy and will generate additional revenues for the hospital.

## 2011 UC-Berkeley Haas Project

For the second year in a row, a team from UC-Berkeley's Haas School of Business will do a consulting project for Andean Health & Development. This year's team is a tremendous group of students with business and public health experience.



The Berkeley students will travel to Ecuador in late May to conduct a research project for AHD. From left to right: Emily Ewell, Nick Romero, John Holgate, and Eileen Chang.

The Berkeley team's project involves researching ways of incorporating technology into the residency program's curriculum. They will identify the training needs of the program; assess the hospital's technical capability for housing technology; explore training techniques used in other developed or developing countries; and create a proposal with findings to submit to potential funders of the technology.

## Welcome Alicia!

Alicia Hurkman recently joined the AHD team and will assist with development and U.S. Operations. Alicia recently graduated from the University of Wisconsin-River Falls and works part-time for another non-profit organization in Madison.



## Saludesa Medical Manual

The Saludesa Medical Manual, written by Dr. David Gaus and Dr. Diego Herrera, is now published and available for use by AHD's physician residents. The manual, written in Spanish, is used at AHD's hospitals but will also be useful to other doctors, either local or traveling, who are working in the Spanish speaking developing world. The manual is comprehensive and contextualized specifically to low resource settings.



Contact Laura if you are interested in purchasing a copy for \$30 : [info@andeanhealth.org](mailto:info@andeanhealth.org)

## Congratulations to AHD's Family Physician Residents



From left to right: Dr. Juan Carlos, 2<sup>nd</sup> year, Dr. Diego, Director of Program, Dr. Carlos, 3<sup>rd</sup> year, Dr. Gabriela, 1<sup>st</sup> year, Dr. Blanca, 1<sup>st</sup> year, and Dr. Patricio, 2<sup>nd</sup> year.

Our first class of four Ecuadorian physician residents will graduate on June 15th. A new class of six enrolled in the program last July. In total, there are 16 local residents rotating through the program. The graduates will work at AHD's Hospital Santo Domingo and in other hospitals around rural Ecuador. They will fundamentally change health services delivery in the country for the long term.

## New Microbiology Lab



The US Navy is sponsoring a microbiology laboratory at Hospital Pedro Vicente Maldonado to house important health research in the community. Galo Arévalo, pictured above, is currently testing the waters of nearby rivers. He is finding high contamination levels and will use this information to educate the community on where it is safe to swim and wash clothes. The lab team has started several other research projects, and AHD plans to move this lab to the new hospital in Santo Domingo where it will be part of the Global Health Research Center.

## Class of '84 Running Total Reaches \$100,000



Thanks to a generous offer by Rob Snyder, the Notre Dame Class of '84 has come together to donate \$100,000 which Rob has pledged to match. AHD continues to collect donations and encourages '84 Domers to give a 2011 donation before this campaign opportunity ends on June 30th. Rob will match any donation from the class in amounts up to \$10,000 each. Thank you so much to the outstanding and generous Class of 1984!

## We have already raised \$1.1 million toward our \$5.5 million 5-year Capital Campaign.

We have the following needs right now and are also offering naming rights.

- Neonatal Incubator..... \$5,000
- One year's tuition for a local physician resident.....\$2,000
- Pulse Oximeters.....\$500
- Textbooks for Physician Residents.....\$100



## Naming Rights

- Santo Domingo Campus.....\$1,500,000
- Hospital Hesburgh
- Ronald McDonald House Charities Children's Ward
- Maternity Ward.....\$500,000
- Emergency Room.....\$100,000
- Operating Room.....\$100,000
- Dental Facility.....\$75,000
- Laboratory.....\$50,000
- Six Patient Rooms.....\$25,000

