29th Medical Practicum

Upper Río Coco, Nicaragua
2-22 January 2013
Outline
I. Medical Practicum Background
II. Río Coco villages
III. Clinic
IV. Conclusion
V. Acknowledgements
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Medical Practicum Purpose
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Educate Students
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Educate Students

Involve U.S. medical professionals
Medical Practicum Purpose

Educate Students

Involve U.S. medical professionals

Provide healthcare services in less-developed country
Student Experience
Medical Practicum History
Medical Practicum History

Founded 1981
Medical Practicum History

Founded 1981

305 students
Medical Practicum History

Founded 1981

305 students

78 to medical school
Medical Practicum History

Founded 1981

305 students

78 to medical school

17 to dental school
Medical Practicum History

Founded 1981

305 students

78 to medical school

17 to dental school

7 to pharmacy school
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6 million
6 million

$1.5 billion

6 million

$1.5 billion

Healthcare free

Clinic Sites

Miskito and Mayangna

NICARAGUA
NATIONAL LANGUAGE
Spanish

Language Families
- Arawakan
- Chibchan
- Creole
- Misumalpan

230 miles on river
230 miles on river Miskito
230 miles on river

San Andrés

Amak

Miskito

Mayangna
230 miles on river

Miskito
Mayangna
Mestizo
Clinic Supplies

Cost $10,004
Retail $70,000
Medicines and Medical Supplies
Travel by Foot
Lodging
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Clinic
Clinical Rotations

1. Intake
2. Physicians
   General
   Women’s Health
3. Pharmacy
4. Dentistry
5. Veterinarian
6. Lab
Intake
Shelly Votauw, LPN
Intake
Shelly Votauw, LPN

BMI
Hyper-tension
Glucose
Paul Fry-Miller, P.A.-C ‘75
Visual Inspection with Acetic Acid and Cryotherapy
Ministry of Health

Dr. Hernandez

Mario
Pharmacy
Warren Hickman, Pharm.D. ‘65
Therapeutic Categories

Antibiotics
Antifungals (fluconazole)
GI Health (albendazole, tinidazole, ranitidine)
Skin Conditions (ivermectin)
Arthritis and Pain (ibuprofen, naproxen)
Ear and Eye Care
Steroids (prednisone)
Vitamins (prenatal and children’s)
Heart Health
Dental (articaine and epinephrine, ibuprofen)
Veterinary (eprinomectrin, ivermectin, oxytetracycline)
Emilie Blough, D.V.M ’04
Lab

A1C  H. pylori  STDs  Pregnancy  Urinalysis
A1C  H. pylori  STDs  Pregnancy  Urinalysis
H. pylori

5-day treatment:
- Amoxicillin, 1 gram bid
- Metronidazole, 500 mg bid
- Clarithromycin, 500 mg bid
- Omeprazole, 20 mg bid
Outcomes

1003 medical consultations
Significant A1C, diabetes, stage I/II hypertension, BMI, H. pylori, STDs
185 dental patients, 287 teeth
47 cows, 142 dogs, 207 pigs dewormed
Improved relationships along Río Coco
Students educated
Outcomes

1003 medical consultations

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From Mission Statement

“Manchester University respects the infinite worth of every individual and graduates persons of ability and conviction who draw upon their education and faith to lead principled, productive, and compassionate lives that improve the human condition.”
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Conclusions

1. Students educated.
3. Health care provided in international, less-developed setting.
4. Service
   A. Group served patients.
   B. Medical professionals served students and MU.
   C. Communities served our group.
“If you have come to help me, you are wasting your time. But if you have come because your liberation is bound up with mine, then let us work together.”

- Lilla Watson
Jan Session 2014

NICARAGUA
NASC-310 - Medical Practicum

Applications Due March 24
go to medicalpracticum.org
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Acknowledgments

Medical Professionals, David Ripple

Brotherhood Mutual, Ft. Wayne

Community Foundation of Greater Ft. Wayne

N. Manchester Rotary

20 Individual Donors

Patterson Dental (Spokane)

Manchester Family Dentistry

Lhasa OMS

Blessings International, Acción Médica Cristiana, and World Dental Relief
End