

Vocational Training team

Our two-year proposal includes four VTT sessions, 2 sessions per year, a spring and a fall session. The spring session will be the **Main mission team (M)** and will consist of **2 prosthetists and 2 physical therapists** who will be picked from the DWT team of experts. The fall session will be **Scout team (S)**, which will consist of **2 prosthetists and 1 physical therapist**. **The Team Leader /Primary Rotary Contact is Mr Ramiro Cabrera, President elect, Cheshire Rotary Club District #5160.** The Medical lead will be Dr Subramani Seetharama, MD, FAAPMR.

The VTT teams will perform hands on work exclusively with the team picked by the host community for education and training. This will consist of **2 PMR physician/or PMR residents, two prosthetist and two rehabilitation therapists.**

Dr. Mary Silvia Querevalu Soria, PMR Physician

Dr Rosa Francia, PMR Physician

Carlos Valdivia, Terapeuta Ocupacional

Maria Esther Huaman Yanac, Terapia Ocupacional

Juan Fernando Mesia Camargo, Prosthetist

Velasquez Velarde Luis Eduardo, Prosthetist

The lecture sessions will be open to all rehabilitation personnel at the Hospital. Each VTT will be one week in duration and will have five encounter days.

All training and education activities will be **Hospital Nacional Daniel Alcides Carrion, Lima, Peru**. The physical therapy and prosthetic certification will be based upon a joint process developed by the host country hospital and Dept of Medical Education; and University of Hartford and Hanger clinic in the USA.

Team Name	Type	Training Location	Departure - Return
DWT TEAM M	Providing training	Peru	30/03/2019 - 06/04/2019
DWT TEAM S	Providing training	Peru	14/09/2019 - 21/09/2019
DWT TEAM M	Providing training	Peru	28/03/2020 - 04/04/2020
DWT TEAM S	Providing training	Peru	12/09/2020 - 19/09/2020

Session 1 (Trip 1)

DWT TEAM M

Mr Ramiro Cabrera, Kenneth Bruno PT, Patricia Black PT, Duffy Femlee MSPO, CPO, Algis Maciunas CPO, FAAOP

Date Departure 30/3/2019 Lima, Peru

Return 6/4/2019 Hartford, CT

Day Itinerary

Day 1 am: Hands on training with prosthetic specialist: evaluation and measuring 80 new amputees. Providing liners and education to patients.

Day 1 pm: PT lecture: Anatomy review : Lower extremity and Joint biomechanics.

Prosthetic Lecture: types of amputation and abnormalities of gait.

Day 2 am: Hands On training with prosthetic specialist: the prosthetic socket fabrication and fitting of 80 new amputees

Day 2 pm: Prosthetic lecture: fabrication techniques, component selection, prosthetic design.

PT Lecture: Gait cycle:

Hands on PT training for amputee evaluation, Transfers, pre prosthetic ambulation.

Day 3 am: Hands on training for fitting and adjustments.

Day 3 pm: PT/Prosthetic lecture: types of Lower extremity Amputations.

Hands on evaluation of existing prosthetic patients, making adjustments and repairs.

Day 4 am: Hands on training for fitting, adjustments and gait

Day 4 pm: PT lecture: Prosthetic gait cycle and types of Adaptive equipment.

Hand on PT training for prosthetic gait training

Day 5 am: Hands on training with selected patients to evaluate, fit, make adjustments, problem solving, work on gait training and patient education.

Day 5 pm team debriefing, Q&A, needs and gaps in training Telemedicine education schedule and plans for fall trip

Trip 2

DWT TEAM S

Jake Awruch PT, Paul Armstrong CPO, Graham Rech MSPO, CPO

Date: Departure 14/9/2019 Lima, Peru

Return 21/9//2019, Hartford, CT

Day Itinerary

Day 1 am: Hands on training: Patient screening, & selection, New amputees for next spring.

Day 1 pm: PT lecture: fundamentals of prosthetic ambulation in BKA and AKA amputees.

Hands on gait training

Day 2 am: Hands On training with prosthetic specialist: residual limb measurement and documentation.

Introduction to prosthetic components.

Day 2 pm: PT lecture: Anatomy review: Upper extremity and Joint biomechanics

Day 3 am: Hands on training: follow up of previously fitted patients for repair, adjustments using local materials.

Day 3 pm: Prosthetic lecture: case studies: interactive session to allow for problem solving techniques and repairing /fixing prosthetic related issues.

PT Lecture training: Types of UE extremity amputation

Day 4 am: Hands on training: prosthetic socket modeling and fitting.

PT: ADL/IADL

Day 4 pm: PT lecture: case studies: interactive sessions to problem solve prosthetic gait training issues, patient education.

Training in Telemedicine education

Day 5 am: Hands on training with selected patients to evaluate, fit, make adjustments, problem solving, work on gait training, use of adaptive equipment and patient education.

Day 5 pm Team debriefing, Q&A,needs and gaps in training ,telemedicine education session schedule and plans for spring trip

Trip 3

DWT TEAM M

**Mr Ramiro Cabrera, Sharon Nicoll OTA, Tara Frey
OTR/Kenneth Bruno PT/ Patricia Black PT, Steve
Charry MSPO, CPO, Abbey Downing CPO/Algis
Macuinas CPO,FAAOP**

Date Departure 28/3/2020 Lima, Peru

Arrival 04/04/2020 Hartford, CT

Start of Independent training sessions

Day Itinerary

**Day 1 am: Prosthetic lab :Introduction to use and
maintenance of prosthetic lab.**

**Hands on training with prosthetic specialist: independent
evaluation and measuring, patient education**

**Day 1 pm: PT / prosthetic lecture: LE and UE amputee
review**

**Day 2 am: Hands On training with prosthetic specialist:
Independent socket fabrication and fitting.**

Day 2 pm: prosthetic lecture: advanced components and prosthetic design

Hands on PT training: independent amputee evaluation, prosthetic gait and balance training.

Day 3 am: Hands on: independent prosthetic socket evaluation for fitting and adjustments.

Day 3 pm: hands on: independent evaluation of existing prosthetic patients, making adjustments and repairs.

Day 4 am: Hands on: Independent PT evaluation for fitting, adjustments and gait

Day 4 pm: Hand on: independent gait training with prosthesis, trunk stabilization techniques, problem solving.

PT/Prosthetic lecture : common complications/Pathologies post amputation

Day 5 am: Independent evaluation of final prosthetic fit, and PT training for gait.

Day 5 pm team debriefing, Q&A, needs and gaps in training and plans for fall trip

Trip 4

DWT TEAM S

**Kenneth Bruno PT, Paul Armstrong CPO, Duffy
Felmlee MSPO, CPO**

Date Departure 12/9/2020 Lima, Peru

Arrival 19/9//2020 Hartford, Connecticut

Day Itinerary

Day 1 am Hands on training: Independent patient screening, & selection, new amputees for next spring.

Day 1 pm: Review of LE amputee, prosthetic management and rehabilitation

Day 2 am: Hands On training with prosthetic specialist: Independent residual limb measurement and documentation. Independent assessment for prosthetic component.

Day 2 pm: training for Adaptive sports and return to Work

Day 3 am: Hands on training: Independent evaluation of previously fitted patients for repair, adjustments using local materials

Day 3 pm: Prosthetic lecture: case studies: interactive session to allow for problem solving techniques and repairing /fixing prosthetic related issues.

Day 4 am : Tele Medicine education

Day 4 pm: PT lecture: case studies: interactive sessions to problem solve prosthetic gait training issues, patient education

Day 5 am: Final evaluation for prosthetic management and rehabilitation/ Certification

Day 5 pm Team debriefing, Q&A, needs and gaps in training ,Continued education, consultation sessions via Telemedicine scheduled sessions and plans for spring trip