

# MIDTERM REPORT

ORTHOTICS & PROSTHETICS EDUCATION FOR LATIN  
AMERICA

I PRO  
309

# ORTHOTICS AND PROSTHETICS

- Orthosis

- An external device to control or enhance movement to prevent movement or reduce deformity.
- Examples: splint, arch support, spine



- Prosthesis

- An artificial replacement of a body part. It may be internal or external
- Examples: artificial hip joint or leg



# PROBLEM STATEMENT

- Demand for O&P practitioners around the world.
- In Latin America – 2.5 million of 580 million in need of O&P treatment

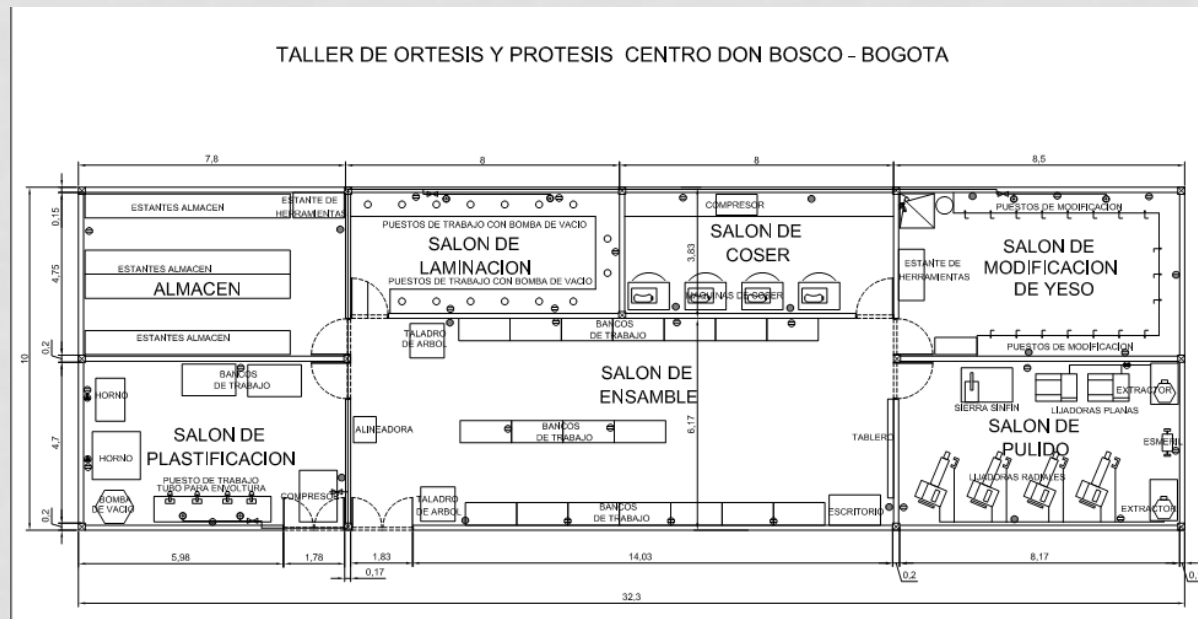
ISPO recommends:

Category I	Category II	Category III
<b>6</b>	<b>210</b>	<b>900</b>



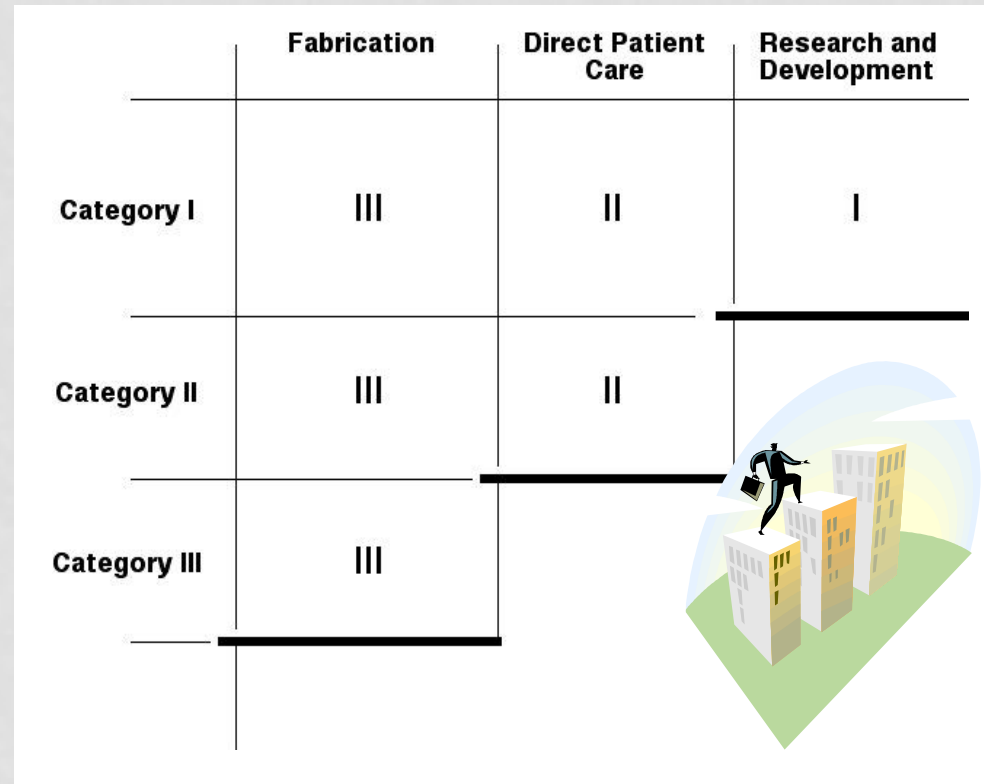
# PROBLEM STATEMENT

- With this demand, a solution was identified to train more individuals in the field of O&P
- This move towards education of O&P practitioners needed to start somewhere and that location is Bogotá, Colombia



# PROBLEM STATEMENT

- O&P educational track has three categories set by ISPO
  - Category III – Prosthetic/Orthotic Technicians
  - Category II – Orthopedic Technologists
  - Category I – Prosthetist/Orthotists



# PROBLEM STATEMENT

- Category III- Centro Don Bosco
  - Technical High school
- Category II- SENA (Servicio Nacional de Aprendizaje)
  - National training service
- Category I- Military University
  - Associated with the Central Military Hospital
- Currently, Bogotá, Colombia has training for all three categories but no capstone course

# OVERALL GOALS

- To build upon a capstone course to prepare for participation in an interdisciplinary treatment team.
  - To improve patient focused treatment
  - To educate students on methods of medical record keeping
  - To familiarize students with material compatibility
- “An Interprofessional Service-Learning Course: Uniting Students Across Educational Levels and Promoting Patient-Centered Care” (Journal of Nursing Education, Dacey, 2010)

# GROUP ORGANIZATION

Team Leader  
Pablo Huang Zhang

Materials

Patient Well-Being

Medical Record  
Keeping

**Subgroup Leader**  
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# PROGRESS-BIOCONCEPTS, INC. TRIP



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# BIOCONCEPTS, INC. TRIP



# CHILDREN'S MEMORIAL HOSPITAL





# CHILDREN'S MEMORIAL HOSPITAL



# SUBGROUP PROGRESS

- Each group has:
  - detailed outline for an introductory seminar
  - research and preliminary work on content seminars
- Material Compatibility
  - Biofidelity
- Patient Well-Being
  - 8 stages of adjustment
- Medical Record Keeping
  - QR Coding



# MAJOR OBSTACLES

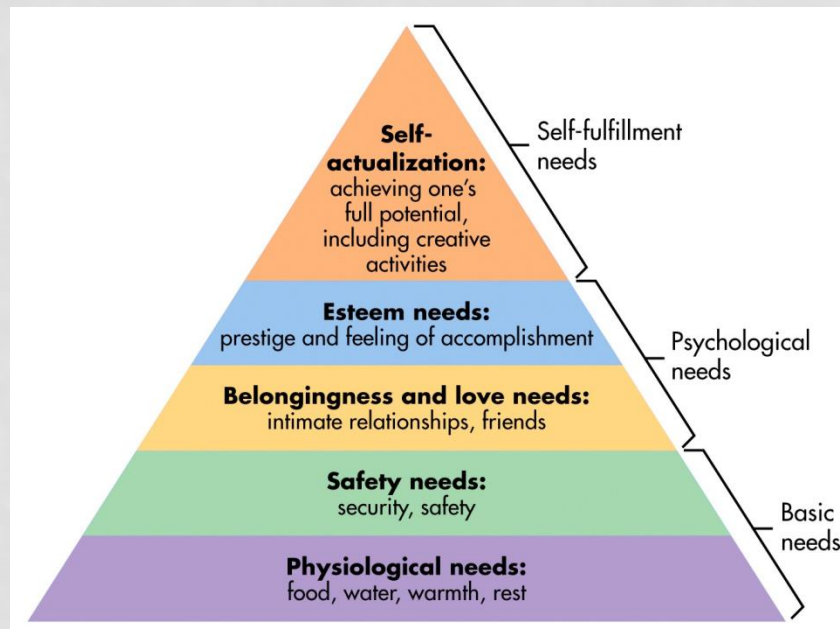
- Determined a plan of action and the focus of our project
- Learned that IPROs are not like a typical lecture course, with a majority of our group having this as their first IPRO
- Achieved better communication as a group while developing the project
- Motivated ourselves to finish work in a timely manner

# ANTICIPATED CHALLENGES

- Synthesize the information into seminars per subgroup
- Teaching material to students outside their normal studies
- Assessing the students before and after the seminars
- Have access to O&P professionals, but still have research that needs to be done

# ETHICS

- Providing most current and accurate information
- Cultural awareness without generalization
- Privacy for patients





¿PREGUNTAS?

PLEASE ASK IN ENGLISH !