



# Prosthetics and Orthotics

“Make A Career of Making A Difference..... Every Day!”

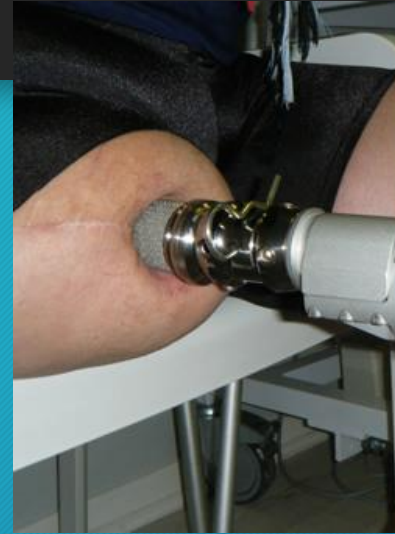
(AOPA)

Lynda Allan NHS Lanarkshire Jan 2019

# What is Prosthetics and Orthotics?



# Prosthetics :Replacing Missing Limbs



# Orthotics: Supporting the body



# Qualifications

## BSc(Hons) Prosthetics and Orthotics

- Highers AAAB or AABBB (Maths A, Physics and Biology or Human Biology recommended A/B)
- Advanced Highers Maths, Physics or Biology recommended
- A Levels Year 1 entry BBB (Maths, one science subject)
- HND Engineering including B in Maths for Engineering 2
- Only 2 UK Universities offering training in prosthetics and orthotics
- University of Salford ( School of Health and Society )
- University of Strathclyde (Dept of biomedical engineering)
- HSPC Registered
- BAPO



# O and P Career Options

- Orthotic Technician
- Prosthetic Technician
- Orthotist
- Prosthetist
- Prosthetist/Orthotist
- **91 percent** of graduates in work or further study
- (Based on the results of the national Destinations of Leavers from Higher Education.)
- Bioengineering
- Newly qualified graduates can earn **between £20,710 and £26,839 a year**

# Prosthetic/Orthotic Technician

- No set requirements
- Employers normally ask for 5 Gcses including English.Maths,Science
- Level 3 apprenticeship standard for p&o is approved
- Skills include:
  - Practical and design skills
  - Problem solving skills
  - Using hand tools
  - Working with different materials
  - IT and CAD/CAM skills
  - Good communication skills
  - Band 4 AFC scale

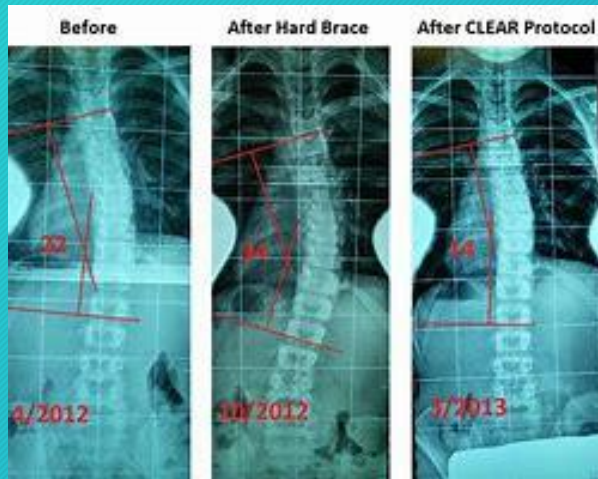


# Qualities of A Good Prosthetist/Orthotist

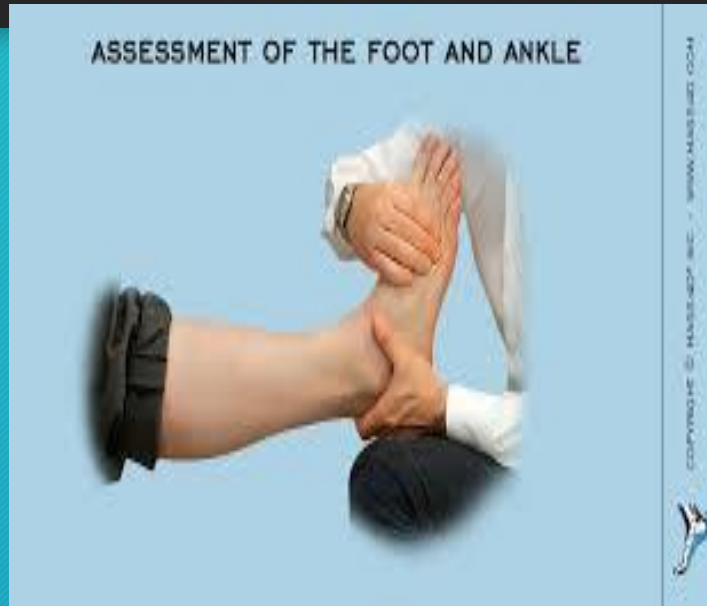
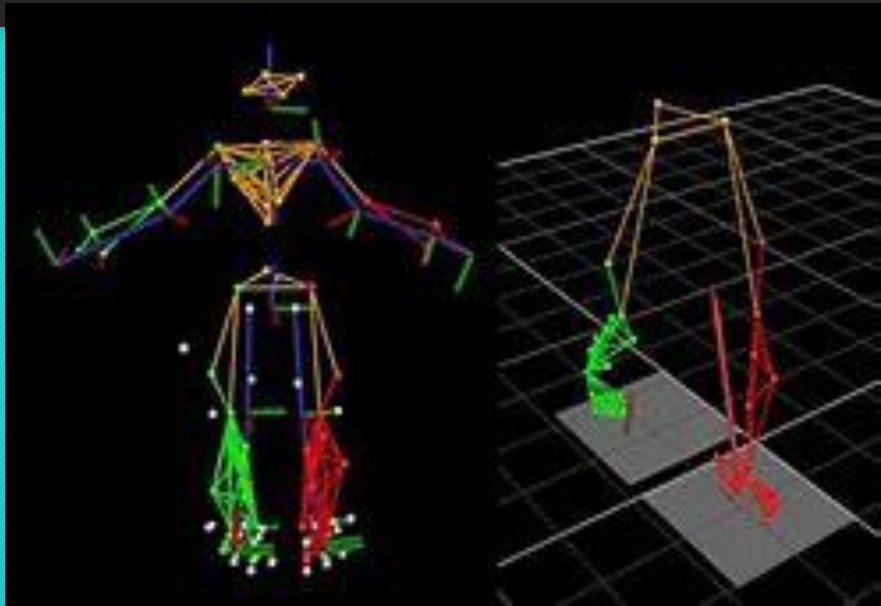
- Strong interpersonal skills
- Problem solving ability
- Aptitude for maths and science
- Creativity and dedication
- Excellent hand skills
- Patience and compassion
- True desire to make a difference to helping others



# Treat Head to Toe



# Analyzing The Problem



# Capturing the Data



# Manufacturing / Designing the Device



# Fitting the Patient/Providing A Solution



# Helping People Reach Their Goals



# Making A Difference Everyday



Questions?



**“DON'T  
TELL  
ME  
YOU  
CAN'T.”**

-Juan José Mendez