



LUND UNIVERSITY

Professionals Perspective of Prosthetic and Orthotic Service in Tanzania, Malawi, Sierra Leone and Pakistan

Magnusson, Lina

2017

Document Version:

Publisher's PDF, also known as Version of record

[Link to publication](#)

Citation for published version (APA):

Magnusson, L. (2017). *Professionals Perspective of Prosthetic and Orthotic Service in Tanzania, Malawi, Sierra Leone and Pakistan*. Poster session presented at ISPO 2017 World Congress, Cape Town, South Africa.

Total number of authors:

1

General rights

Unless other specific re-use rights are stated the following general rights apply:

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

Read more about Creative commons licenses: <https://creativecommons.org/licenses/>

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

LUND UNIVERSITY

PO Box 117
221 00 Lund
+46 46-222 00 00



LUND
UNIVERSITY

Professionals Perspective of Prosthetic and Orthotic Services in Tanzania, Malawi, Sierra Leone and Pakistan

Lina Magnusson

In order to implement the CRPD, the quality of prosthetic and orthotic services in low income countries is of concern. Therefore aspects related to quality of prosthetic and orthotic services have been investigated in this paper comparing findings from four low and middle income countries.

AIM

To compare findings related to experiences of prosthetics and orthotic service delivery and education in Tanzania, Malawi, Sierra Leone and Pakistan, from the perspective of local professionals.

METHODS

In total 49 prosthetists/orthotists and prosthetic/orthotic technicians participated from four countries. A comparative analysis of the results of the three studies [1, 2, 3] was conducted. The analytical approach used was a second ordered concept analysis where subthemes, categories and conceptions were aggregated into themes.

RESULTS



Table 1: Common and unique themes in Tanzania, Malawi, Sierra Leone and Pakistan

Themes	Sub-themes from Tanzania and Malawi [1]	Sub-themes from Sierra Leone [2]	Sub-themes from Pakistan [3]
Themes common to Tanzania, Malawi, Sierra Leone and Pakistan Low awareness and prioritising of prosthetic and orthotic services. Difficulty managing specific pathological conditions and problems with materials. Limited access to prosthetic and orthotic services available.	<ul style="list-style-type: none"> • *Varied support from senior staff and other professionals. • Low-status profession. • Helping people with disabilities is the motivation. • Lack of materials. 	<ul style="list-style-type: none"> • Low priority on the part of government. • *Appraisals of work satisfaction and norms. • Problems with materials and machines. 	<ul style="list-style-type: none"> • Low awareness of prosthetic and orthotic services.
The need for further education and desire for professional development.	<ul style="list-style-type: none"> • Different demands when working in underserved and less resourced setting. • Desire for continued training. • *Varied support from senior staff and other professionals. • Suggested ways of keeping updated. 	<ul style="list-style-type: none"> • Limited access to the prosthetic and orthotic services available. • *Appraisals of work satisfaction and norms. • Desire for professional development. 	<ul style="list-style-type: none"> • Management of specific pathological conditions and administrative duties are most difficult for graduates. • Currently varied opportunities for professional development • Well-functioning support from senior staff. • Prosthetists/Orthotists would like to specialise. • A desire for networking within the country and interaction from outside.
Themes unique to Sierra Leone People with disabilities have low social status in Sierra Leone.		<ul style="list-style-type: none"> • Low public awareness concerning disabilities. • Patients neglected by family. • Marginalisation in society. 	

*Sub-theme divided into two different themes

CONCLUSION

The perspective of local professionals was that they had a sense of inability to deliver high-quality prosthetic and orthotic services.

Educating prosthetic and orthotic professionals to a higher level and providing opportunities for professional development was desired.

Low awareness and low priority on behalf of the government when it comes to prosthetic and orthotic services was identified as a barrier to providing effective rehabilitation.

In Sierra Leone, people with a disability needed to be included to a greater extent and supported at different levels within families, communities, government, international organisations, and society in general.

In Sierra Leone, traditional beliefs about the causes of impairment and difficulties in accessing services were identified as barriers to providing effective rehabilitation services.

REFERENCES

1. Magnusson L, Shangali H and Ahlström G. Graduates' perceptions of prosthetic and orthotic education and clinical practice in Tanzania and Malawi. *African Journal of Disability*. 2016; 5(1), a142.
2. Magnusson L and Ahlström G. Experiences of Providing Prosthetic and Orthotic Services in Sierra Leone — the Local Staff's Perspective. *Disabil Rehabil*. 2012; 34: 2111-8.
3. Magnusson L and Ramstrand N. Prosthetist/orthotist educational experience & professional development in Pakistan. *Disabil Rehabil Assist Technol*. 2009; 4(6):385-92.
4. Magnusson, L. Prosthetic and Orthotic Services in Developing Countries. *Dissertation Series. School of Health Sciences*. Jönköping University 2014. ISSN 1650-1128.

Lina Magnusson, University Lecturer, PhD in Health and Caring Sciences, MSc International health/prosthetics and orthotics, CPO Department of Health Sciences, Faculty of Medicine, Lund University, Sweden Lina.Magnusson@med.lu.se

Photo: Lina Magnusson & Harold G Shangali

