



Kia Hedayat Rad

ORTHOTIST &
PROSTHETIST

PERSONAL BACKGROUND

- Member of ISPO association
- Comprehensive work experience in all O&P related sections
- Highly competent in designing and manufacturing B.K prosthetics, carbonated orthoses, immediate post-op prostheses and foot insoles
- Extensive practical knowledge in the implementation of musculoskeletal screenings
- Skillful in negotiation skills including commercial-medical contracts with a wide variety of medical centres, offices and educational centres

PERSONAL INTEREST

literature
swimming
meditation

RESEARCH INTEREST

Below knee prosthetics
Improving Activity daily of life for amputees
Foot disorders
Neuromascular orthotic rehabilitation
Musculoskeletal deformities

CONTACT DETAILS

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PREVIOUS EDUCATION

MSc Degree in orthotics & prosthetics (2021)

Social welfare and rehabilitation sciences – Tehran – Iran

Thesis Title:

Activity daily of life in patients with medial compartment knee osteoarthritis using semi rigid unloader knee brace by WOMAC questionnaire

Bachelor Degree in

orthotics & prosthetics (2014)

Iran university of medical sciences – Tehran – Iran

High school Diploma in science (2009)

School of exceptional talents (NODET) – Kermanshah - Iran

PUBLICATIONS

Papers:

- 1."Effect of the immediate postoperative prosthesis on healing, rehabilitation, and quality of life in elderly patients undergoing lower limb amputation in comparison with soft dressing: a systematic review (IRANIAN REHABILITATION JOURNAL) (Forthcoming)
- 2."Comparison of personal independence between soft dressing and immediate post-operative prosthesis method older diabetic amputees (JOURNAL OF REHABILITATION SCIENCES AND RESEARCH) (June 2021)

Books:

1. Essential standardized methods of manufacturing techniques for fabricating common orthotics
2. Essential standardized methods of manufacturing techniques for fabricating common prosthetics

ONGOING RESEARCH & DEVELOPMENT PROJECTS

1. The effect of using immediate post-op prostheses right after amputation surgery on the rate of revision surgeries, pain, ADL and the onset of gait for below knee amputees in comparison with conventional methods
2. Evaluation of the effect of the below knee immediate post-op prostheses on scar healing variables compared to soft dressings
3. Scheming an standard guideline to enhance safety for the rehabilitation of the IPOP users
4. Developing smart immediate post-op prostheses (SIPOP)
5. Comparison of the effect of IPOPs and SIPOPs on wound healing variables and the rate of revision surgeries
6. Designing a magnetic gel liner for long stumps which cannot use other suspension systems in their prostheses
7. Designing and development of a unique dynamic orthosis used for hand and wrist severe contractures

WORK EXPERIENCE

1. *CEO, research head*
Maahyaar prosthetic group (2019 up to now)
2. lower extremity expert
Red Crescent great rehabilitation center (September 2018 to 2019)
3. technical expert
Maahyaar O&P specialty clinic
4. clinical examination expert ,and supervisor of technical & CNC workshop
Mehr-e-Aria O&P clinic (October 2016 to September 2017) Tehran – Iran
5. *R&D expert*
Pezham prosthetics sub-specialty clinic (March 2016 to October 2016) Tehran – Iran
6. *evaluation & clinical examination expert ,and sales*
expert in technical orthopedic department
Collaboration with Moheb-e-Kosar private hospital (October 2015 to March 2016) Tehran – Iran
7. *technical expert in prosthetics department*
Red-Crescent technical orthopedics governmental clinic (July 2014 to September 2015) Kermanshah – Iran
8. *technical workshop supervisor, and sales expert*
Aryia Paya technical orthopedic clinic (October 2013 to June 2014) Tehran – Iran

AWARDS

- 9th student of O&P in the national entering exam of medical science for master degree Research
- Selected student in N the field of orthotics and prosthetics, Faculty of Rehabilitation Iran University of Medical Sciences. (2014)
- Selected student in the field of orthotics and prosthetics, Faculty of Rehabilitation Iran University of Medical Sciences. (2013)
- Selected student in the field of orthotics and prosthetics, Faculty of Rehabilitation Iran University of Medical Sciences. (2012)

WORKSHOP PARTICIPATION

- How to increase sales speed by Aydin Namdar
- Relationship skills by Dr. Moin
- Physical and Radiological Evaluation of scoliosis Workshop, 7th of January 2013, Faculty of Rehabilitation, Isfahan University of Medical Sciences
- Cosmetic Auricular Prosthesis Workshop, 23-25 Oct 2013, Faculty of Rehabilitation, Isfahan University of Medical Sciences
- introducing E-MAG orthotic system by Dr. Smith from Ottobock co.
- Attended and completed “preventing dementia” and “understanding dementia” online courses with highest score at University of Tasmania

TEACHING SKILLS

- lecturer at Hamedan university of medical science 2020
Lower extremity prosthetics
- Workshop Instructor of the pre-graduated students at Hamedan university of medical science 2019

LANGUAGE SKILLS

- Persian: Mother Tongue
- English: Fluent (*Academic IELTS overall 7 band score*)
Listening: 7.5
Reading: 7.5
Speaking: 7
Writing: 6.5
- Kurdish: Fluent

