

Prosthetics and Orthotics in Rehabilitation

Final Exam Topics:

1. Assistive devices for movement
2. Prosthetics. Definition of prosthetics, history, types of prosthetics.
3. Classification of amputation, principles of amputation,
4. indications and contraindications of prosthetics.
5. Patient's preparation for prosthetics;
6. Analysis of walking with the lower limb prosthesis; identify gait deviations, Identify the cause(s) for the deviation, eliminate or minimize the causes.
7. Manufacture of prosthetics and necessary materials; fit and alignment,
8. Facilitating prosthetic, acceptance and physical therapy;
9. Assessment of alignment; complications of prosthetics.
10. Orthotics. Definition of orthotics, indications of orthotics,
11. Neuromuscular and musculoskeletal disorders with need for orthotics;
12. Principles of orthotics;
13. Manufacture of orthotics and necessary materials; fit and alignment,
14. Facilitating orthotics, acceptance and physical therapy;
15. Assessment of alignment of orthotics;
16. Lower-Limb Orthotics;
17. Upper-Limb Orthotics;
18. Trunk Orthotics;
19. Orthotics in rehabilitation of scoliosis, types of orthotics in scoliosis,
20. Physical Rehabilitation and follow-up Care;
21. Complications of orthotics.
22. Walking aids. Description of walking aids, types of walking aids,
23. Determination of the indication for walking aids.
24. Household adaptive equipment for elderly people and patients with walking disabilities:
25. Fitting and adjusting of walking aids.