

POST - DOCTORAL FELLOWSHIP PROGRAMME IN
"DIABETIC FOOT SURGERY"

SYLLABUS

Duration of the Course : One Year

1. Epidemiology and health care costs for Diabetic foot problems.
2. Principles of care in the surgical patient with Diabetes.
3. Wound healing process-the basics of pathophysiology.
4. Neuropathic problems of the lower limbs in Diabetic patients.
5. Atherosclerosis and thrombosis in patients with Diabetes mellitus. and clinical features and diagnosis of macrovascular disease.
6. Micro vascular changes in the Diabetic foot.
7. Footpressure abnormalities in the Diabetic foot measurement.
8. Biomechanics of the Diabetic foot & ulceration.
9. Cutaneous manifestations of Diabetes Mellitus.
10. Nutritional issues in the patient with Diabetes and foot ulcer.
11. Clinical examination of the Diabetic foot and identification of the At-Risk patient.
12. Classification of foot lesions in Diabetic patients.
13. Imaging of the Diabetic foot.
14. Non invasive vascular testing in the evaluation of Diabetic peripheral arterial disease.
15. Charcot arthropathy in the Diabetic foot.
16. Offloading for Diabetic foot diseases.
17. Microbiology and treatment of Diabetic foot infections.
18. Radiologic interventions in Diabetic peripheral vascular disease.
19. Local care of diabetic foot ulcers.

20. Preparations of the wound bed of the Diabetic foot ulcer.
21. Role of growth factors in the treatment of Diabetic foot wounds.
22. Newer dressing modalities for the Diabetic foot ulcer.
23. Adjunctive hyperbaric oxygen therapy in treatment of Diabetic foot ulcers.
24. Negative pressure treatment for diabetic foot wounds.
25. Surgical pathology of the foot and clinic pathologic correlations.
26. Surgical treatment of the ulcerated foot.
27. Minor and major lower limb amputation in persons with Diabetes Mellitus.
28. Lower limb arterial reconstruction in patients with Diabetes Mellitus.
29. Plastic surgical reconstruction of the Diabetic foot.
30. Charcot neuroarthropathy of the foot surgical aspects.
31. Rehabilitation of the Diabetic amputee.
32. Pedorthic care of the Diabetic foot.
33. Lower limb self management education.
34. Psychosocial and educational implications of Diabetic foot complications.
35. Role of footwear in the prevention of Diabetic foot problems.
36. Role of radiology.
37. Foot care education prevention of Diabetic foot problems.