

Multi Systems Syllabus

1) Integumentary

- Anatomy and physiology of skin
- Different analysis of forces and mechanical deformation of skin due to pressure or forces laid on it.

Differential diagnosis of ulcers mostly Arterial ulcers and venous ulcers

Degrees of Burns and its management with importance of positioning

Differential Diagnosis of pressure ulcers and its management

2) Metabolic and endocrine disorders

- Differential Diagnosis of hypothyroidism/hyperthyroidism, graves and Hashimoto thyroiditis, hyperglycemia and hypoglycemia, Cushing and Addison's
- Intervention: Application of PT interventions and its modifications to metabolic and endocrine disorders with exercise prescriptions

3) Genitourinary disorders

- Examination of Genitourinary systems with pelvic floor assessment emphasis on pregnancy
- Differential diagnosis of GU conditions with types of incontinence
- Interventions: PT implications of different GU disorders with exercises to Pelvic floor muscles and its modifications, emphasizing pregnancy postpartum exercises

4) System interactions

- Comprehensive analysis of different pathologies on other integrated aspects of PT like obesity, cancer chemotherapy, psychological issues, hip fractures with relations on other geriatric conditions, sepsis and its symptoms

5) Tumors connecting with musculoskeletal, neurological and pulmonary conditions with symptoms and differential diagnosis and Acid Base Balance with concepts of full compensation and partial compensation