

Sinclair Community College
PTA Program
Critical Knowledge Levels

For the topics below that include a hands-on skill component, students have demonstrated competency in **performing** the clinical skill listed, prior to the designated clinical, unless otherwise indicated as having **general knowledge only**(*). Acquisition of general knowledge indicates the student has a level of understanding necessary to expand on their knowledge in a clinical environment.

Level I Clinical

General Knowledge:

Basic kinesiology & biomechanics
Common pathologies
Diathermy(*)
Documentation (SOAP format)
Infrared (*)
Laser(*)
Lymphedema
Medically complex patients
Musculoskeletal anatomy of the extremities, trunk,
respiratory system, and TMJ
Neuroanatomy
Patient safety
Ultraviolet(*)

Tests & Measures:

Gait assessment
Goniometry
Manual muscle testing
Orthopedic special tests
Posture assessment
Reflex testing
Sensory testing
Vitals

Passive Modalities:

Electrical stimulation
Fluidotherapy
Hot/Cold packs
Ice massage
Mechanical traction
Paraffin
Pneumatic compression
Ultrasound
Whirlpool

Manual Therapies:

Massage
Mulligan technique(*)
Muscle energy techniques(*)
Peripheral joint mobilizations(*)
Soft tissue mobilization
Strain-counterstrain(*)

Therapeutic Exercise:

Balance and coordination
Cardiovascular training
Flexibility & Stretching
Isokinetics(*)
Muscle strength & endurance
Plyometrics
Range of motion
Spinal stabilization

Therapeutic Interventions:

Aquatics
Basic wound care & prevention
Bed mobility, transfer and gait training
Body mechanics & ergonomics
Continuous passive motion
Energy conservation & work simplification
Orthopedic treatments of the extremities & spine
Patient positioning
Stress management
Treatment of patients with CV, pulmonary, chronic,
& multisystem disorders
Treatment of women's issues

Level II and Level III Clinicals

The student has completed education in all areas included in Level I education, as well as:

General Knowledge:

Bariatrics
Case management
Developmental sequence
Educating the general public
Legal and ethical practice
Literature search/Evidence based practice
Lymphedema management(*)
Patient re-entry into community
Practice management
PT/PTA relationship
Rehabilitation team function/communication
Third party payers: Medicare, Worker's
 Compensation
Wheelchair prescription

Therapeutic Interventions:

Adult neurorehabilitation techniques, including:
 NDT
 PNF
Amputee and prosthetic rehabilitation
Pediatric developmental treatment techniques
SCI and TBI rehabilitation
Vestibular training(*)