Physical Therapy Prescription

PT and Physician Perspectives
What is therapy?

- Specialists in evaluating and treating movement disorders
- Restore, maintain, and promote optimal physical function, as well as, optimal wellness and fitness and optimal quality of life as it relates to movement and health
- Prevent future injury
Procedures

- Therapeutic Exercise
- Therapeutic Activities
- Neuromuscular education
- Balance and Coordination training
- Manual techniques
- Gait Training
- Aquatics
- Community/Work Reintegration training
- Modalities
Any exercise performed to attain a specific physical benefit, such as improving and maintaining range of motion, strength, joint mobility, or cardiovascular and respiratory function

Active, Active-Assisted, Passive Range of Motion
Neuromuscular Re-Education

- Therapeutic procedures provided to improve balance, coordination, kinesthetic sense, posture, and proprioception
- Proprioception Neuromuscular Facilitation (PNF), Neurodevelopment Therapy (NDT), Feldenkrais, Bobath, BAP’s boards, and desensitization techniques
- Vestibular therapy
Therapeutic Activities

- Using functional activities to improve functional performance in a progressive manner
- Ex: Teaching transfers, lifting, carrying, bending, reaching, catching, and overhead activities
Uses the therapeutic properties of water (buoyancy, resistance)

Buoyancy reduces gravitational pull and lessens compressive forces

Warmth of the water (94°) allow muscles relaxation while helping to reduce pain

Stimulates body awareness, balance, and trunk stability

Improved patient morale and confidence by providing a positive medium in which to function
Manual

- Mobilization
- Manipulation
- Manual traction
- Lymphatic drainage
- Myofascial Release
Modalities

- Electrical Stimulation
- Paraffin
- Fluidotherapy
- Mechanical Traction
- Ultrasound
- Phonophoresis (not covered by Medicare)
- Iontophoresis (not covered by Medicare)
- Laser therapy (not covered by Medicare)
Other

- Wheelchair management and training
- Orthotic management and training
- Prosthetic training
- Canalith repositioning
It’s all about FUNCTION

- We treat functional deficits (Not pain)
- Modalities as an adjunct to a more active approach
- Testing
  - Now required by Medicare
  - Claims based outcomes reporting (CBOR)
  - Sports specific and work specific tests
Vestibular Rehab and Concussions

- Rest is still the 1st stage of recovery
- Early education, cognitive behavioral therapy, and exercise therapy have shown efficacy, however, limited study design\(^1\)
- Vestibular rehab is helpful for those that did not resolve with rest\(^2-4\)
- Unfortunately, evidence on exactly what exercises/treatment is lacking\(^5\)
Vestibular Rehab and Concussions

- Treatment program designed to promote vestibular adaptation and substitution
- Initiate with sub–symptom threshold training
- Key movements⁶:
  - Gaze stabilization exercises
  - Head–eye movements with various body postures and activities
  - Maintaining balance with a reduced base of support with various had and trunk orientation
  - Must be performed frequently
- Sport specific training
Vestibular Rehab and Concussions

- Goals of Vestibular Rehab\(^6\):
  - Enhance gaze stability
  - Enhance postural stability
  - Improve vertigo
  - Improve ADL

- Associated Problems:
  - Cervical
  - TMJ
  - Peripheral Vestibular Problems (BPPV)
Back Pain

- Over 1000 RCT’s investigating the management of LBP\(^8\)
- However, the evidence remains inconclusive\(^9\)
Back pain is heterogeneous. \(^\text{10}\)
Not reasonable to expect everyone to respond to a single treatment approach.
O’Sullivan: “It’s time for change with the management of non-specific chronic low back pain” \(^\text{11}\).
The use of a classification approach results in better outcomes than the use of alternative management approaches for conservative management of LBP. \(^\text{12-15}\)
Medical model: based on pathoanatomical source of symptoms. However, relevant pathology is identified in less than 15% of cases.16

The Guide: The primary goal of the PT diagnostic process is to classify patients based on clusters of signs and symptoms in order to direct decision making choices.
Recommendations

- Therapists: We should classify our patients
  - Classification system must direct treatment
  - Active care associated with better outcomes\(^{17}\)

- MD’s: The earlier the better\(^{17-18}\)
  - Medicaid: No PT for chronic conditions

- Communication
  - Non-responders
  - Return to sport/activity
  - Assistive Devices
  - Progress Notes
Physician referral is required for treatment

Elements needed (Texas Practice Act and most insurances)
- Medical Diagnosis
- Signature (Superior: Does not accept EMR signature)
- Date
- Frequency and Duration? (Superior)

Recommend
- Eval and treat
- Add specifics if deemed necessary
Certifications (Medicare)

- Plan of Care/Updated Plan of Care
  - Dated signature required that indicates approval of the plan of care.
  - Timely when obtained within 30 calendar days of the initial treatment
- Re-Certifications must be obtained within the duration indicated on the initial plan of care or within 90 days
“We should start saying that exercise is something we are designed to do (not just supposed to do). And when we don’t do it, our bodies and brains fall apart”.


