



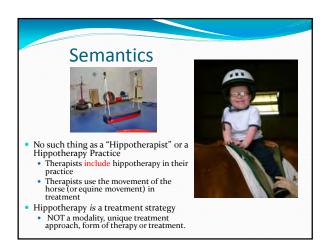
Objectives Explain the difference between adaptive riding and hippotherapy Understand that hippotherapy is a treatment strategy, not a stand-alone therapy Gain knowledge to enhance adaptive riding lessons Identify how adaptive riding and hippotherapy can work together



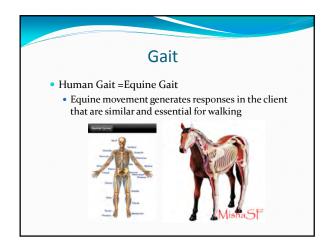


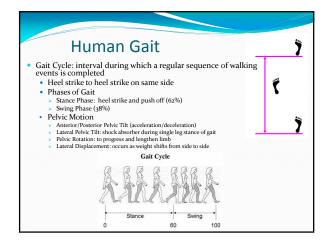


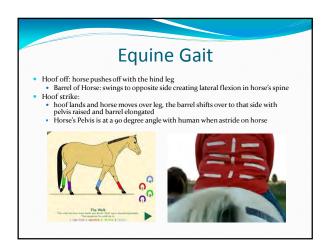


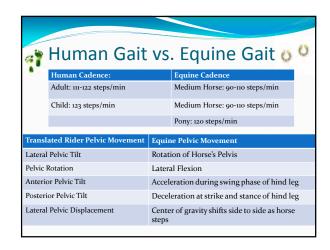










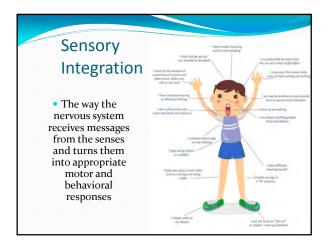




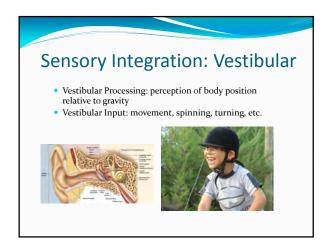








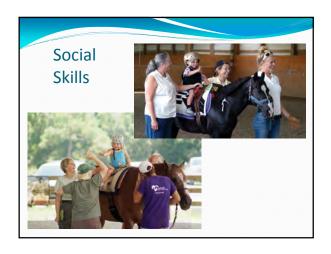














Typical Therapy Goals

- Long Term Goals (12-26 weeks)
 - What does patient/family want to achieve?
 - Patient will be able to participate in Special Olympics soccer league.
- Short Term Goals (2-4 weeks)
 - Smaller steps to reach ultimate goal
 - Patient will walk over a 3 step obstacle course with uneven surfaces with good balance.
 - Patient will kick ball from standing position 3 x with no loss
 - · Patient will walk and run 300 ft over uneven terrain with no assistance.

Positioning

- Forward Sitting
 Facilitates posterior pelvic tilt/less hip abduction
- abduction

 Backward Sitting

 Anterior pelvic tilt/increases base of support

 Side-Sitting and Modified Side-Sitting

 Lateral weight shifts/more balance challenge/scapular retraction

 Dissociation of trunk/pelvis
- Prone Over Barrel
- Relaxation of spastic muscles/trunk extension Supine On Rump
 Elongation of pectorals and rib cage

- Strong vestibular and propioceptive input
 Requires very smooth, graded movement of the horse





Horse Selection

- Height
- Safety/fear considerations
- Width
 - Wide or narrow base of support (BOS)
 Posture (anterior/posterior pelvic tilt)

 - Hip flexibility
- Impulsion
- Movement
 - · Pelvic motion desired in patient
 - Is motion gradable?







Utilizing the Horse Circles • Serpentine • Figure Eight • Speed changes Transitions

Does Hippotherapy Work?

- Evidenced based
- · Research proven
- http://www.americanhippotherapyassociation.org/research/



Typical Therapy Goals

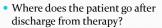
- Long Term Goals (12-26 weeks)
 - What does patient/family want to achieve?
 Patient will be able to participate in Special Olympics soccer
 - Patient will be able to participate in Special Olympics soccer league without difficulty.
- Short Term Goals (2-4 weeks)
 - · Smaller steps to reach ultimate goal
 - Patient will walk over a 3 step obstacle course with uneven surfaces with good balance.
 - Patient will kick ball from standing position 3 ${\bf x}$ with no loss of balance.
 - Patient will walk and run 300' over uneven terrain with no assistance.

Discharge Criteria

- Patient reaches goals/desired outcome
- Patient does not wish to continue
- Medical complications prevent progress toward goals
- Therapist determines patient will no longer benefit
 - Plateau
 - Conditions occurring that compromise safety of patient or staff/horses



What happens next? --





• Sports/ Extra Curricular Activities (Riding???)







Adaptive Riding

 A unique combination of sport, recreation and education. Specially trained PATH International qualified instructors use their knowledge of disabilities to teach horsemanship skills to riders with varying ability levels.





Adaptive Riding & Hippotherapy Together

- Brings more participants to facility/helps more people
- Doctors can refer for medical-based therapy treatment
- Center can bill insurance companies/Medicaid
- Brings more volunteers
 - Students interested in becoming the rapists/need observation hours $\ \,$
- · Clinical internship opportunities for PT/OT/ST students
- Collaboration between riding instructors and therapists
- Modifications
- Techniques specific to patient
- Therapist provides status at discharge and goals met to instructor

What Happens if Patient Declines

- If minor
 - Call therapist
 - Have therapist watch a riding lesson
 - Can participate in both adaptive riding and hippotherapy
- If major
 - May need to refer back
 - Resume adaptive riding after another round of hippotherapy

Current Adaptive Riding Clients

- Patients that may benefit from hippotherapy also
 - · Difficulty ambulating into arena
 - Difficulty climbing stairs to get onto horse
 - Difficulty maintaining sitting balance while on horse
 - Difficulty participating in sessions without constant guarding
 Difficulty participating in activities during sessions without assistance



It Benefits Everybody!

- Families don't feel abandoned after D/C from hippotherapy
- Adaptive Riding Instructors have more knowledge of patient and patient's history
- Therapists get more feedback after D/C
- · Full circle of therapy
 - Continuation of client/patient care
- We do this because we are passionate and love it!



