1st Annual MSKCC Cancer Rehabilitation Symposium

(1) Manual State

Treatment Strategies for Survivors of Hodgkin Lymphoma

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Objectives

- Understand the clinical presentation of the Survivors of Hodgkin Lymphoma
- Understand the physical therapist's role in the multi-disciplinary management of these patients
- Identify key PT impairments
- Discuss treatment strategies
- Discuss rehabilitation challenges
- Review two case studies



Survivors of Hodgkin Lymphoma

- Hodgkin Lymphoma
 Cancer originating in the Lymphocytes
- Males & females in their 40-70's, treated in '70-'90s
- Radiation
- Surgery
- Chemotherapy









Chemotherapy

- Cardiopulmonary
 Decreased ejection fraction, deconditioning
- Musculoskeletal
 Joint Aches, osteoporosis, muscular weakness
- Neuromuscular
 Ognitive, memory, motor control, balance, CIPN



















Examination

- Posture
- Spinal mobility
- Functional strength
- Fascial restrictions
- Lymphatic restrictions
- Functional sensation
- Endurance
- Quality of Life measures

Rib cage expansion









Examination: Ribcage to ASIS















Functional Limitations

- Decreased ability to perform activities of daily living and work related tasks.
- Decreased ability to ambulate community distances.
- Abnormal static and dynamic postures result in inefficient movement patterns.



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<u>Goals</u>

Maximize potential and educate patient on how to be an independent manager of symptoms.

- 1. Posture
- 2. Proprioception
- 3. Manual restrictions
- 4. Transfers
- 5. Ambulation































Breathing

- Maintaining spinal alignment, assistance to reduce accessory muscle use
 Reduce work load on
 - Reduce work load on neck and promotes rib expansion



- Core Stabilization
- Cueing for spinal decompression
- Rib integration
- Core activation
- Minimize leg and accessory muscle activity







Self-Management

- HEP
 - Manual
 - Neuromuscular Re-ed
- Community resources
 Body work
 - Pilates
 - Yoga
- PT follow up as needed



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- Baroreceptor Instability
- Chronic condition
- Comorbidities
- Chest wall surgeries
- Fatigue
- COMPLIANCE









Take Home Message

- Chronic patient population
- Multi-disciplinary & multi-modal approach
- Primary goal is to restore posture for efficient movement patterns
- Establish HEP that maintain physical therapy achievements

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