Implementing a Rehab Program for Patients with Cancer

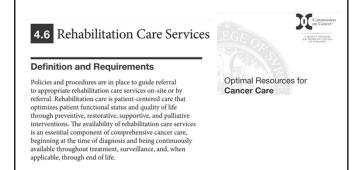
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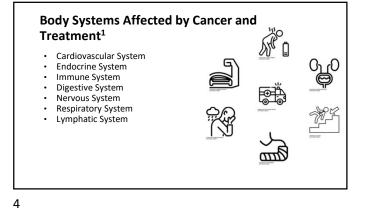
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Disclosures

- Chris Wilson
 - Co-editor of Oncology Rehabilitation: A Comprehensive Guidebook for Clinicians from Elsevier in 2023
- Stephanie Lockingen
 Nothing to disclose





Patient Benefits of Cancer Rehab

- Rehabilitation effectively alleviates or mitigates functional impairments²
 WHO defines function as "those activities identified by the individual as essential to support physical, social, and psychological well-being."³
- Exercise is associated with improved survival after cancer⁴
- Exercise training and rehabilitation positively impacts cancer-related health outcomes⁴⁶

 - Cancer-related fatigue
 Evidence supports that exercise is more beneficial than pharmaceutical intervention or
 psychological intervention alone
 Health related quality of life
 - Physical function

 - Anxiety and depression symptoms
 Restore range of motion
 Prevent or reverse incontinence

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Indirect Benefits of Cancer Rehab⁶⁻⁷

- Tolerance to active cancer treatment, especially chemotherapy
- Mitigation of functional decline after initiation of active cancer treatment
- Decreased post-operative hospital length of stay, rate of complication and time spent in the ICU
- · No adverse events related to blood counts
 - Improved immune function
 - May decrease the risk for developing neutropenia and thrombocytopenia
- Positive impact on biomarkers (immune and inflammatory)

Integration of Oncology Rehabilitation

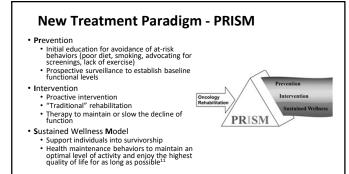
- Evidence that rehabilitation interventions are effective: prehab, throughout treatment, and into survivorship^2
- Introduction of exercise and rehabilitation at different points along the cancer continuum demonstrate various positive effects on tolerance of cancer treatment⁶
- Impact of exercise intervention improved when the program was supervised vs $\ensuremath{\mathsf{unsupervised}^6}$
- Exercise prescription is nuanced requiring consideration of many factors Health status, clinical history, functional abilities of the patient and ongoing oncologic interventions⁴
- Only 18-47% of patients with or living beyond cancer meet the recommended amount of meaningful $\mbox{exercise}^8$
- · 49% of survivors felt their non-medical needs were not met Only 1-2% of individuals were treated for cancer-related disability⁹

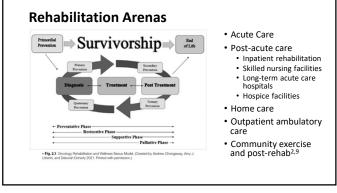
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Turning Knowledge into Action

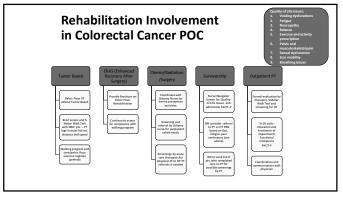
- Implementation science: promote the systemic uptake of research findings and evidence-based practice into routine practice to improve the quality and effectiveness of cares $^{\rm g}$
- Oncology rehabilitation is stuck in the research-to-practice gap. Research has proven the therapeutic potential of exercise but there is a gap connecting patients to programs.
 Needs assessments to determine barriers and facilitators
 Oefine expected outcomes for adoption, implementation and maintenance linking behaviors to achieve the outcomes

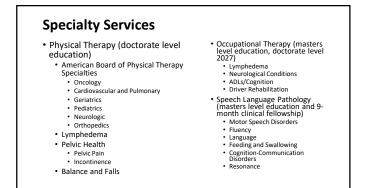
 - Utilize evidence-based implementation strategies
 Utilize evidence-based implementation strategies
 Implementation of an overall plan with support materials and structures partnered with key
 stakeholders⁴
- Call to action for key stakeholders to create the infrastructure and cultural adaptations needed so that all people living with and beyond cancer can be as active as is possible for them⁴
- Consideration needs to be not only for the evidence-based intervention itself, but also the setting in which it will be delivered $^{\rm 10}$











Value-based Oncology Rehabilitation

Logistics

- Essential to establish a mission statement, vision statement and values statement of the program
 - Clarity of the intent and purpose of the program
- Accessible care that is convenient, patient-centered, and relevant to improving their life situation with an emphasis on patient experience9

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Sustainability¹²

- Administrative Structure National, Local and Institutional agenda CoC has a standard requiring provision of rehabilitation services to cancer patients
- Education Gap analysis of knowledge Develop avenues for education Participate in tumor boards and multidisciplinary rounds :
- Communication
- Establish guidelines for communication including outcomes
 Provide data and metrics to administrators, physicians and staff

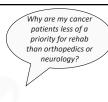
Payment and Sustainability

- Rehab services are consistently directly payable services as long as working toward impairments and functional limitations
- Rx must require the skill of a licensed therapist or assistant
- Unskilled maintenance programs or home programs may not be "skilled"
- If maintenance programs or slowing the decline require the skills of a therapist, it still is payable¹³
- Brief screenings and informal consultations are not often payable Have to consider that this is a new service line or new patient access
- Remind therapists not to proceed to a full eval in a screen • Productivity expectations of
- therapists
- · Often an initial investment cost Unbillable time – tumor boards, MDCs – proceed strategically

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Key Takeaways

- · Find the low hanging fruit first or the most community impact
- Facilitate conversations between rehab administrators and hospital administrators
- Design the program longitudinally and meeting the patient where they are at in their journey



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Thank you