

Paper Category:	Physical activity and exercise
Paper Title: (Arial Font; 14 Pt Size)	The characteristics of patients with hematological malignancy complicated with sarcopenia or severe sarcopenia.
Abstract Body: (Arial Font; 12Pt Size)	<ul style="list-style-type: none"> • Background • Objectives • Method • Results • Discussions and Conclusions
<p>(Maximum word limit - 300 words)</p> <p>Background: Previous studies have established sarcopenia as a significant predictor in patients diagnosed with hematological malignancy. Furthermore, the tolerance of chemotherapy appears to be influenced by the presence of sarcopenia. The diagnosis criteria for sarcopenia in the most of previous studies was the assessment of body composition by CT scan; moreover, none evaluated sarcopenia in patients with hematological malignancy by the criteria of AWGS2019. Although the significant impact of sarcopenia in patients with hematological malignancy is evident, the specific characteristics of patients with hematological malignancy complicated with sarcopenia remain unclear.</p> <p>Objectives : This study aims that we identify what characteristics are present in patients with hematological malignancy complicated with sarcopenia or severe sarcopenia.</p> <p>Methods: The participants in this study are patients diagnosed with hematological malignancy who were admitted for chemotherapy. The exclusion criteria for this study involve individuals with osteological diseases and those receiving palliative care. Participants were classified into three groups: non-sarcopenia, sarcopenia, and severe sarcopenia, according to the criteria outlined in AWGS2019. The muscle volume of the participants was evaluated using the InBody770 (InBody, Inc.).</p> <p>Result: Out of 90 objects analyzed, 61(67%) were non-sarcopenia, 12(13.2%) were sarcopenia, and 17(19.8%) were severe sarcopenia. Participants diagnosed with sarcopenia exhibited weaker grip power, higher incidence of malnutrition, and lower scores in the symptom status domain of the European Organization for Research and Treatment of Cancer (EORTC) core questionnaire QLQ-C30 in comparison to those without sarcopenia. Participants complicated with severe sarcopenia were characterized by advanced age, lower scores on SPPB, and higher scores on the Eastern Cooperative Oncology Group Performance Status (ECOG-PS) scale.</p> <p>Discussions and Conclusions: Significant differences in certain characteristics were observed between participants with sarcopenia and severe sarcopenia. Further studies using multivariate analysis are necessary due to these observed variations in certain characteristics.</p>	

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