

Review of: "[Review] Sarcopenia in Coronavirus Disease (COVID-19): All to Know from Basic to Nutritional Interventions from Hospital to Home"

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Sarcopenia is a time relevant topic and a worldwide aging and health problem that is linked to COVID-19 sequelae and brought into light its main concern after COVID-19 pandemic. The authors have a very simple and I comprehensive writing. I have some points:

- 1- The methodology of this review is missing, including the searching databases and searching terms;
- 2-Malnutrition is a condition and sarcopenia is a muscle disease and these two entities are different by definition, pathogenesis, screening and diagnostic tools and we should not to conclude one from the other;
- 3- Mitochondrial dysfunction is a main step in COVID-19 pathogenesis and also sarcopenia and this link is not explored;
- 4-Sarcopenia is not a simple disease. It's a complex one and involves also vascular damage, neuronal damage, mitochondrial dysfunction, cognitive dysfunction, etc. Besides writing in an easy communication we should not be reductionist with its pathology;
- 5- Grip strength cut off values are different in ICU population and are not mentioned;
- 6-Many references are not the primary papers;
- 7-The recommendations targeting sarcopenia should be supported by some studies (phase I/II clinical trials or by associations to similar conditions- like ARDS);
- 8- An English review is desirable.

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