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**Manuscript NO:** 63834

**Manuscript Type:** MINIREVIEWS

**Is branched-chain amino acid nutritional supplementation beneficial or detrimental in heart failure?**

Narita K *et al.* Branched-chain amino acid in heart failure

Koichi Narita, Eisuke Amiya

### Abstract

Sarcopenia or cachexia is often complicated in heart failure. Nutritional support, particularly branched-chain amino acid (BCAA) supplementation, is a candidate treatment for improving sarcopenia or cachexia in elderly patients. However, the efficacy of BCAA supplementation in patients with heart failure has not been established, and the

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The names of the specific **amino acids** that make up the **branched-chain amino acids** are leucine, isoleucine, and valine. The term **branched-chain** simply refers to their chemical structure. BCAAs also ...

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