

# INCREASED PROTEIN INTAKE ISN'T ALWAYS ENOUGH TO SUPPORT WOUND HEALING

#### PATIENTS RECOVERING FROM WOUNDS, SUCH AS DIABETIC FOOT ULCERS, PRESSURE INJURIES, BURN INJURIES, SURGERIES, OR OTHER TRAUMATIC CONDITIONS THAT IMPACT LEAN BODY MASS (LBM), MAY EXPERIENCE':

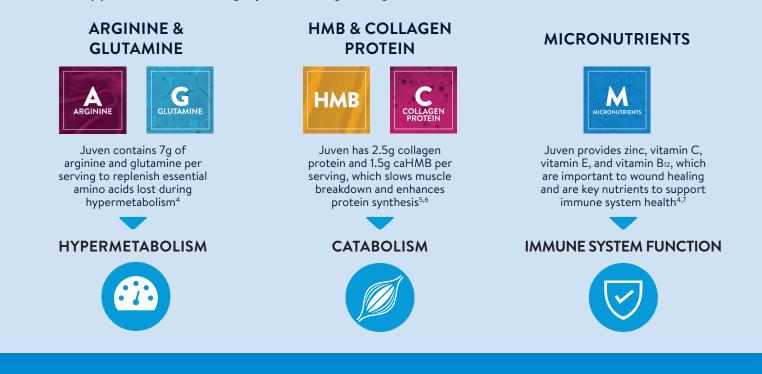
#### **REDUCED IMMUNE HYPERMETABOLISM** CATABOLISM **FUNCTION** Increased metabolic activity To fuel the increased energy LBM loss as a result of and energy demands lead to: demands, the body: catabolism leads to impaired immune function: Breaks down LBM<sup>1</sup> Arginine and glutamine deficiencies<sup>2</sup> • 10% LBM loss impairs immunity and increases infection risk<sup>1</sup>

 20% LBM loss leads to impaired wound healing<sup>1</sup>

### These issues can lead to impaired wound healing<sup>1</sup>

#### FOR OPTIMAL WOUND HEALING, THE EFFECTS OF HYPERMETABOLISM, CATABOLISM, AND IMPAIRED IMMUNE FUNCTION SHOULD BE ADDRESSED'

Juven<sup>®</sup> is a therapeutic nutrition drink mix with a unique blend of key ingredients to support wound healing by enhancing collagen formation in as little as two weeks<sup>2,3,\*</sup>:



## WHEN YOUR PATIENTS NEED MORE THAN JUST PROTEIN, JUVEN CAN HELP

To get the same amount of specialized ingredients that Juven provides in just

2 PACKETS/DAY

your patients would need to eat:

4 RIBEYE STEAKS (8OZ)<sup>+</sup> for an equivalent amount of arginine

**20 EGGS**<sup>+</sup> for an equivalent amount of glutamine



6000 AVOCADOS<sup>6,8,9</sup> for an equivalent amount of HMB<sup>+</sup>

A MULTIVITAMIN for an equivalent amount of zinc and vitamins C, E, and B12

juven.com





Iver

\* Studied in both healthy elderly and patients with diabetic foot ulcers, taking 2 servings per day, as measured by hydroxyproline levels.

Equivalent nutrient amounts supplied by USDA.
References: 1. Williams JZ, et al. Ann Surg. 2002;236(3):369-375. 2. Jones MS, et al. Surg Infect. 2014;15(6):708-712. 3. Sugihara F, et al. Jpn Pharmacol Ther. 2015;43(9):1323-1328. 4. Stechmiller JK, et al. Nutr Clin Pract. 2005;20(1):52-61. 5. Bellon G, et al. Biochim Biophys Acta. 1995;1268(3):311-323. 6. Andrews FJ, et al. Br J Nutr. 2002;87(suppl 1):S3-S8. 7. Molnar JA, ed. Nutrition and Wound Healing. Boca Raton, FL: CRC Press; 2007:5. 8. Wilson GJ, et al. Nutr Metab. 2008;5:1. 9. Lee SK, et al. Adv Skin Wound Care. 2006;19(2):92-96.



HME

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**USE UNDER** 

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