

## おわりに

サルコペニアの因果関係が明確な薬剤は、特殊なもの以外はきわめて少ない。さらに薬剤によりサルコペニアの予防または治療に結びつきそうなものは残念ながら、今のところ明らかなものはない。今回、ビタミンDなど自然界に存在する栄養素に関連する薬剤は言及しなかったが、それらが今後サルコペニアの予防、治療に貢献する可能性はある。

### 参考文献

- 1) 葛谷雅文. 老年医学における Sarcopenia & Frailty の重要性. 日老医誌 2009 ; 46 : 279-285.
- 2) Cruz-Jentoft AJ, Baeyens JP, Bauer JM, et al. European Working Group on Sarcopenia in Older People. Sarcopenia : European consensus on definition and diagnosis : Report of the European Working Group on Sarcopenia in Older People. Age Ageing 2010 ; 39 : 412-423.
- 3) Muscaritoli M, Anker SD, Argilés J, et al. Consensus definition of sarcopenia, cachexia and pre-cachexia : joint document elaborated by Special Interest Groups (SIG) "cachexia-anorexia in chronic wasting diseases" and "nutrition in geriatrics". Clin Nutr 2010 ; 29 : 154-159.
- 4) Ashfield TA, Syddall HE, Martin HJ, et al. Grip strength and cardiovascular drug use in older people : findings from the Hertfordshire Cohort Study. Age Ageing 2010 ; 39 : 185-191.
- 5) Hughes VA, Frontera WR, Wood M, et al. Longitudinal muscle strength changes in older adults : influence of muscle mass, physical activity, and health. J Gerontol A Biol Sci Med Sci 2001 ; 56 : 209-217.
- 6) Onder G, Penninx BW, Balkrishnan R, et al. Relation between use of angiotensin-converting enzyme inhibitors and muscle strength and physical function in older women : an observational study. Lancet 2002 ; 359 : 926-930.
- 7) Bunout D, Barrera G, de la Maza MP, et al. Effects of enalapril or nifedipine on muscle strength or functional capacity in elderly subjects. a double blind trial. J Renin Angiotensin Aldosterone Syst 2009 ; 10 : 77-84.
- 8) Kuzuya M. Process of physical disability among older adults--contribution of frailty in the superaged society. Nagoya J Med Sci 2012 ; 74 : 31-37.
- 9) Fried LP, Tangen CM, Walston J, et al ; Cardiovascular Health Study Collaborative Research Group. Frailty in older adults : evidence for a phenotype. J Gerontol A Biol Sci Med Sci 2001 ; 56 : M146-M156.
- 10) Pozos-López T, Navarrete-Reyes AP, Ávila-Funes JA. Is frailty associated with cardiovascular drug use ? J Am Geriatr Soc 2011 ; 59 : 1977-1979.
- 11) Gray SL, LaCroix AZ, Aragaki AK, et al. Angiotensin-converting enzyme inhibitor use and incident frailty in women aged 65 and older : Prospective findings from the Women's Health Initiative Observational Study. J Am Geriatr Soc 2009 ; 57 : 297-303.
- 12) LaCroix AZ, Gray SL, Aragaki A, et al. Statin use and incident frailty in women aged 65 years or older : Prospective findings from the Women's Health Initiative Observational Study. J Gerontol A Biol Sci Med Sci 2008 ; 63A : 369-675.

