References

- 1. Johns Hopkins University. Coronavirus 2019-nCoV Global Cases by Johns Hopkins CSSE. URL:
- $\underline{https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html\#/bda7594740fd40299423467b48}e9ecf6.$
- 2. Andersen CJ, Murphy KE and Fernandez ML. Impact of obesity and metabolic syndrome on immunity. Adv Nutr 2016; 7: 66-75.
- 3. Sun Y, Wang Q, Yang G, Lin C, Zhang Y and Yang P. Weight and prognosis for influenza A(H1N1)pdm09 infection during the pandemic period between 2009 and 2011: a systematic review of observational studies with meta-analysis. Infect Dis (Lond) 2016; 48: 813-822.
- 4. Dhama K, Sharun K, Tiwari R, Dadar M, Malik YS, Singh KP et al. COVID-19, an emerging coronavirus infection: advances and prospects in designing and developing vaccines, immunotherapeutics, and therapeutics. Hum Vaccin Immunother 2020; 1-7.
- 5. Pereira-Santos M, Costa PR, Assis AM, Santos CA and Santos DB. Obesity and vitamin D deficiency: a systematic review and meta-analysis. Obes Rev 2015; 16: 341-349.
- 6. Xu J, Yang J, Chen J, Luo Q, Zhang Q and Zhang H. Vitamin D alleviates lipopolysaccharide induced acute lung injury via regulation of the renin angiotensin system. Mol Med Rep 2017; 16: 7432-7438.
- 7. Patel AB and Verma A. COVID-19 and Angiotensin-converting enzyme inhibitors and angiotensin receptor blockers: What Is the Evidence? JAMA 2020.
- 8. Grant WB, Lahore H, McDonnell SL, Baggerly CA, French CB, Aliano JL et al. Evidence that vitamin D supplementation could reduce risk of influenza and COVID-19 infections and deaths. Nutrients 2020; 12: 10.3390/nu12040988.
- 9. Scott D, Blizzard L, Fell J, Ding C, Winzenberg T and Jones G. A prospective study of the associations between 25-hydroxy-vitamin D, sarcopenia progression and physical activity in older adults. Clin Endocrinol (Oxf) 2010; 73: 581-587.
- 10. Martineau AR, Jolliffe DA, Hooper RL, Greenberg L, Aloia JF, Bergman P et al. Vitamin D supplementation to prevent acute respiratory tract infections: systematic review and meta-analysis of individual participant data. BMJ 2017; 356: i6583.