

- case-control study. *Mayo Clin Proc.* 2017;92(10):1469-1478.
- Ko HHT, Lareu RR, Dix BR, Hughes JD. Statins: antimicrobial resistance breakers or makers? *Peer J.* 2017;5:e3952.
 - Plotkin BJ, Konakieva MI. Attenuation of antimicrobial activity by the human steroid hormones. *Steroids.* 2017;128:120-127.
 - Liu GY, Nizet V. Color me bad: microbial pigments as virulence factors. *Trends Microbiol.* 2009;17(9):406-413.
 - Meuwese CL, Carrero JJ. Chronic kidney disease and hypothalamic-pituitary axis dysfunction: the chicken or the egg? *Arch Med Res.* 2013;44(8):591-600.
 - Fourrier F, Jallot A, Leclerc L, et al. Sex steroid hormones in circulatory shock, sepsis syndrome, and septic shock. *Circ Shock.* 1994;43(4):171-178.
 - Weintrob AC, Sexton DJ. Susceptibility to infections in persons with diabetes mellitus. UpToDate website. <http://www.uptodate.com/contents/susceptibility-to-infections-in-persons-with-diabetes-mellitus>. Updated December 5, 2016. Accessed November 2, 2017.
 - Betteridge DJ, Carmena R. The diabetogenic action of statins—mechanisms and clinical implications. *Nat Rev Endocrinol.* 2016;12(2):99-110.
 - Sørensen OE, Borregaard N. Neutrophil extracellular traps—the dark side of neutrophils. *J Clin Invest.* 2016;126(5):1612-1620.
 - Janda S, Young A, Fitzgerald JM, Etminan M, Swiston J. The effect of statins on mortality from severe infections and sepsis: a systematic review and meta-analysis. *J Crit Care.* 2010;25(4):656.e7-656.e22.
 - Deshpande A, Pasupuleti V, Rothberg MB. Statin therapy and mortality from sepsis: a meta-analysis of randomized trials. *Am J Med.* 2015;128(4):410-417.e1.
 - Zhemakova A, Kurilshikov A, Bonder MJ, et al. Population-based metagenomics analysis reveals markers for gut microbiome composition and diversity. *Science.* 2016;352(6285):565-569.
 - Howe K, Sanat F, Thumser AE, Coleman T, Plant N. The statin class of HMG-CoA reductase inhibitors demonstrate differential activation of the nuclear receptors PXR, CAR and FXR, as well as their downstream target genes. *Xenobiotica.* 2011;41(7):519-529.

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In Reply—Statin Use Associated With a Decreased Risk of Community-Acquired *Staphylococcus aureus* Bacteremia



We appreciate Dr Ko and colleagues' interesting reflections on our

findings concerning the influence of statin use on the risk of community-acquired *Staphylococcus aureus* bacteremia (CA-SAB). Because the aim of our study was to provide epidemiological in vivo data on this association, Ko and colleagues' review of the literature and considerations on the potential underlying pathophysiologic mechanisms constitute a very valuable supplement to our paper. We agree that the risk of CA-SAB appeared to differ slightly across the different types of statins (simvastatin, atorvastatin, and others). However, because only 9% of current statin users were treated with other statins and because the confidence intervals for the estimates overlapped, these results should be interpreted with caution.

As suggested in the letter by Ko et al, we believe that future well-conducted basic and clinical research represents the only way to disentangle the biological mechanisms by which statin treatment may protect against CA-SAB.

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Potential Competing Interests: Dr Nielsen serves on the advisory boards of Gilead Sciences, Inc, AbbVie Inc, and Bristol-Myers Squibb Company. Dr López-Cortés has received payments for lectures and development of educational presentations

from Merck Sharp & Dohme Corp and Angelini Acraf S.p.A. Dr Rodríguez-Baño has received payments from Merck Sharp & Dohme Corp for development of educational presentations and from AstraZeneca for coordinating a research project.

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Daratumumab for POEMS Syndrome



To the Editor: The syndrome of polyneuropathy, organomegaly, endocrinopathy, monoclonal protein, and skin changes (POEMS) is a rare disorder. It is considered paraneoplastic to a usually IgA λ -secreting monoclonal plasma cell dyscrasia.¹ High-dose melphalan followed by autologous stem cell transplant (ASCT) is the standard of care in disseminated POEMS syndrome but can be associated with significant treatment-related morbidity and mortality.² No paradigm exists for managing patients who experience relapse and those ineligible for ASCT. Herein, we report the first case of POEMS syndrome treated successfully with the anti-CD38 monoclonal antibody daratumumab and lenalidomide.

Report of Case. A 60-year-old woman presented with a progressive sensorimotor polyneuropathy, weight loss, and acrocyanosis of the distal extremities and nose. Laboratory evaluation revealed an IgA λ monoclonal band of 0.7 g/dL and elevated serum IgA (689 mg/dL). The λ and κ free light chain levels were 10.3 mg/dL and 3.7 mg/dL, respectively ([Supplemental Table](http://www.mayoclinicproceedings.org), available online at <http://www.mayoclinicproceedings.org>). Bone marrow biopsy studies revealed 5% to 10% plasma cells with 0.59% myelomatous cells. The vascular endothelial growth factor (VEGF) level was 2222 pg/mL, and the platelet count was $572 \times 10^9/L$. Imaging identified no bone disease or organomegaly. POEMS syndrome was diagnosed. Prior treatment with intravenous