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RE: Manuscript submission: **Integrated Nutraceutical – Nutritional Approaches to Address
Equine Leaky Gut Syndrome**

July 15, 2019

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This manuscript is an original review article that has not been submitted elsewhere for publication. A brief synopsis of the review:

Many of the nutrients beneficial for intestinal health are present in normal foods, but their normal daily intake may be too low to exert optimum effects on intestinal barrier function and immune health. Evidence from laboratory and production animals strongly supports the use of approaches that supplement the diet with additional nutrients and nutraceuticals, however research in horses remains inconclusive. Careful consideration of the outcome desired for horses in care, together with the types of nutraceuticals available, is needed to develop effective strategies for maintenance of healthy intestinal barrier function and for treatment of various leaky gut syndromes in horses. The present review presents these issues in the context of what is known about the effects of nutrients on the equine g.i. tract and the intestinal microbiome.

Declaration

The author consults broadly in the area of nutraceuticals development and testing in companion animals, and this work is supported by feed and nutraceuticals industries. The author did not receive compensation for this submission, nor was it part of a consultancy arrangement. The author is not in conflict of interest with statements made in the review, nor with respect to any parties with which he has entered into a consultancy arrangement. The statements and conclusions made in this review are based on scientific research.

Sincerely

A handwritten signature in black ink, appearing to read 'M. Lindinger', is written on a light-colored, slightly textured background.