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## Total IgE as a Serodiagnostic Marker to Aid Murine Fur Mite Detection

Dear Editor,

This is a letter in reference to the article “Total IgE as a Serodiagnostic Marker to Aid Murine Fur Mite Detection” by Roble and colleagues.<sup>8</sup>

I am a Professor of Veterinary Anatomy in a higher education institution (graduated in 1955 and been an anatomist ever since) and one of the 5 members and the sole representative of the 2 Americas in the editorial board of the 5th edition of the *Nomina Anatomica Veterinaria* (NAV),<sup>6</sup> the international nomenclature of veterinary anatomy. I am also the author of 414 publications and familiar with hundreds of publications in the mammalian anatomy (domestic and wild animals, and laboratory animals alike), as well as the author of one poster on the Anatomy of the Mouse,<sup>2</sup> one poster on the Anatomy of the Rat,<sup>3</sup> and most recently of the *Comparative Anatomy of the Mouse and the Rat – A Color Atlas and Text*.<sup>1</sup> I am also the Editor of the 3rd edition of the *Illustrated Veterinary Anatomical Nomenclature*<sup>4</sup> based on the 5th edition of the NAV.<sup>6</sup>

Regarding the correct naming of the submandibular vein or the submandibular bleeding method in mice, in this letter I am presenting the details of the roots of the external jugular V. (V. jugularis externa), which are targets for the bleeding method.

Three references are taken into consideration: 1) Popesko and colleagues,<sup>7</sup> 2) Cook,<sup>5</sup> and 3) Takamasa and colleagues.<sup>9</sup>

Popesko<sup>7</sup> illustrated the external jugular V. with its 2 roots, the linguofacial V. and the maxillary V., all correct anatomical terms (the illustration does not show where the lingual V. originated from the linguofacial and separates it from the facial V.). However, during the above mentioned blood collection method, either the linguofacial or the facial V. is subject to puncture, and not the lingual V.

Cook<sup>5</sup> illustrated the facial blood vessels (Figure 84), the superficial vessels of the head (Figure 85), and the dorsolateral dissection of the head (Figure 86). In Figure 84, the Facial V. is wrongly labeled as “Anterior facial V” and the Transverse facial V. is wrongly labeled as “Superficial temporal V.” In Figure 85, the Superficial temporal V. is wrongly labeled as “Posterior facial V,” the Transverse facial V. is wrongly labeled as “Superficial

temporal V,” and the Facial V. is wrongly labeled as “Anterior facial V.” In Figure 86, the Facial V. is wrongly labeled as “Anterior facial V,” the Superficial temporal V. is wrongly labeled as “Internal maxillary V,” and the Transverse facial V. is wrongly labeled as “Superficial temporal V.”

The Takamasa team’s<sup>9</sup> illustrations of the veins of interest in the head are labeled correctly in some cases but not in others. The facial V. is correctly labeled on pages 9, 11, 12B, 18, 19, 23A, 57, 63, 97, 99, 101, and 105. On page 17B, the transverse facial V. is wrongly labeled as “facial V.” On page 109, the facial V. and the maxillary V. are correctly labeled. On page 113, the facial V. is wrongly labeled as “transverse facial V,” whereas the maxillary V. is correctly labeled. On page 116, the maxillary V. is wrongly labeled.

In conclusion, the bleeding method should be called either “linguofacial” or “facial”, depending on the site of puncture. The site close to the connection to the external jugular V. is the linguofacial V., whereas the site far from the external jugular V. rostrally is the facial V. These are the internationally correct names that everyone should use.

I have to add that other JAALAS articles have used this misnomer and the misnomer is widely used in the field, so that I am not pointing a finger specifically (or only) at the authors of the above-cited paper.

*Respectfully submitted,*

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## Response to Dr Constantinescu’s Letter to the Editor:

In response to the letter from Dr Constantinescu regarding our recent article entitled “Total IgE as a Serodiagnostic Marker to Aid in Murine Fur Mite Detection,”<sup>3</sup> we have the following remarks. We thank Dr Constantinescu for the comments and in-depth references that he provided and agree that scientific accuracy would have been improved with the use of these anatomical terms. Based on the information provided by Dr.