

3.4 Pain management.

Some species have unique pain management issues. What drugs are safe for pain management in marmosets? Are there any references.

This topic is covered extensively in other texts including: *The Common Marmoset in Captivity and Biomedical Research* (Chapter 11), *Anesthesia and Analgesia of Laboratory Animals* (Chapter 18), and Goodroe et al 2020. References to these publications have been added to the text as has a recommendation that marmoset users base their specific anesthesia and analgesia practices on these and other evidence-based guidelines. It is outside of the scope of this publication to describe/summarize the specific recommendations that are covered in these other texts.

This could be expanded to include surgical needs for this species. Are there any unique surgical concerns (thermal regulation, intubation etc).

The section has been expanded a bit to reference other texts that address surgical needs. Specific perioperative concerns have been highlighted in this text as well.

Section 4. could be expanded a little.

I agree, however I think that the topic could easily be expanded to a full review manuscript in itself. With this section, my intention was to bring up the topics most likely to impact welfare in some of the most common areas of research and to point the reader to the many reference that already cover the topics highlighted in further detail.

4.1 Please discuss sample volumes (quantity of blood or other tissues that can be reasonably collected; can blood or other samples be collected without sedation which could affect ovarian cyclicity;

A reference to a maximum single blood draw volume of 3 ml has been added to this section as has a reference to the fact that some samples may be collected without sedation.

4.2 Aging studies are important because they can be extrapolated to human health. This could be expanded. What is known about reproductive aging in female and male marmosets? Do they go through marmoset menopause (marmopause?)

Female marmosets do undergo reproductive senescence later in life (past the point of being considered "aged"). I have added a comment highlighting this into this section.

There is currently a shortage of nonhuman primates due to the use for infectious disease. Can the marmoset be used as an alternative for other species for covid or other studies?

Marmosets seem to be a poor substitute for macaques as a COVID model. Marmosets demonstrate mild infection after SARS-CoV-2 infection whereas macaques and baboons develop moderate and severe infection/pathology respectively. (Singh DK et al. Responses to acute infection with SARS-CoV-2 in the lungs of rhesus macaques, baboons, and marmosets. *Nature Microbiology*. 2021)