



PUBLISHING DATA FROM THE SKYSCAN 1176 MICRO-CT SYSTEM AT CMCA@QEII.

In the publication you should include:

1. *Information about your animal studies (or samples) and treatment protocol such as*
 - a. Species, Age, Strain
 - b. Ethics approval information
 - c. Imaging time points
 - d. Anaesthesia methods
 - e. Type of contrast agents used for imaging.
2. *The operating conditions of the CT, including:*
 - a. Type of instrument, model and manufacturer (eg Skyscan 1176, Bruker-microCT, Kontich, Belgium)
 - a. Voltage (kV) and Current (μ A)
 - b. Type of Metal Filter
 - c. Exposure Time
 - d. Resolution Setting (Pixel Size)
 - e. Rotation angle and range (e.g. 0.4° over 180 rotation)
 - f. Frame Averaging
 - g. Gating Techniques (for live animals imaging only)
3. *Software and parameters used in the reconstruction of projection images.*
 - a. Type of software and algorithm employed (eg Nrecon using a modified Feldkamp cone- beam algorithm)
 - b. Image compensation settings eg smoothing, beam hardening, misalignment compensation, ring artifact reduction settings.
 - c. Spatial resolution of reconstructed volumes.
4. *Analysis and visualization techniques*
 - a. Type of software used.
 - b. Analysis methods e.g. region of interest settings, thresholding techniques and analysis parameters.
 - c. Volumetric modeling techniques e.g. surface rendering, maximum intensity projections, volume rendering methods.
5. *An acknowledgment to CMCA Staff and CMCA itself: "The authors acknowledge the facilities and scientific and technical assistance offered by Ms. Diana Patalwala of the National Imaging Facility, a National Collaborative Research Infrastructure Strategy (NCRIS) capability, at the Centre for Microscopy, Characterisation and Analysis, University of Western Australia."*
Has Ms. Diana helped you beyond simple instrument operation? If so, consider including them as an author on your publication.

**Remember to send CMCA administration a pdf copy of the final published article
(with journal issue and page numbers).**

Any queries about these areas? Contact diana.patalwala@uwa.edu.au