Post-mortem micro-CT of early CHD
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Objective
To investigate the use of micro computed tomography (micro-CT) imaging, a technique previously applied only in preclinical research for post mortem confirmation of early diagnosed CHD on small animals.

Methods
Radiopaque iodine staining and scanning protocols for micro-CT imaging were used to examine with a resolution of 9-18 μm, 14 post mortem isolated fetal hearts (11-22 weeks). Micro-CT findings were interpreted jointly by the fetal pathologists, fetal cardiologist and radiologist and compared with those of conventional autopsy.

Results
Micro-CT identified all heart structures and abnormalities assessed at macroscopic study in 11 cases and in 5/11 cases added diagnostic details. In 3 cases (< 13 weeks) where size constraints precluded, invasive autopsy excluded the presence of structural anomalies.

Conclusion
Post mortem micro-Ct can provide confirmation of early diagnosed congenital heart anomalies with high accuracy.