



Appearance and quality of CT volumes for each species, given separate fixation regimes

Pictured are a) *A. kojimai* fixed in 4 % formaldehyde and stored in 96% ethanol; b) *A. strummeri* fixed and stored in 96% ethanol and; c) *A. boucheti*, a frozen specimen (-80 °C) that was post-fixed in 96% alcohol under chilled conditions (4 °C) to allow alcohol replacement in thawing tissues. A pre-scan x-ray of each specimen is displayed in (i) and CT volume screenshots of (ii) apical slice of the uppermost whorls (spire) including the cardio-renal complex, (iii) central axial slice (not in exactly the same dextral position for each species) and (iv) sagittal, frontal and transverse slices of the buccal mass. The appearance and utility of the three specimens scanned varied greatly with fixation approach (see main text). Note that the presence of a columellar fold in *A. kojimai* and *A. strummeri* and its absence in *A. boucheti*, can clearly be seen in (ii) and (iii) for each species (repeating bump on columella, where present).