Supplementary Table 1 **Bone embedding protocol.**

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| **Process** | **Fluid** | **Time** |
| Fixation | 10% neutral buffered formalin | Under vacuum, 48 h with one change after 24 h |
| Dehydration A | 70% ethanol | Under vacuum, 48 h with one change after 24 h |
| Dehydration B | 85% ethanol | Under vacuum, 48 h with one change after 24 h |
| Dehydration C | 100% ethanol | Under vacuum, 24 h |
| Clearing | Histo-Clear | Under vacuum, 48 h with one change after 24 h |
| Infiltration A | Resin with 0 g catalyst per 100 mL of resin | Under vacuum, 48 h with one change after 24 h |
| Infiltration B | Resin with 1.4 g catalyst per 100 mL of resin | Under vacuum, 48 h with one change after 24 h |
| Embedding | Resin with 3.5 g catalyst per 100 mL of resin | 48 h in bead bath at 32 °C |