A: Otic capsule bone drilled to a thin shell to reveal contours of the cochlea. The membranous labyrinth has been stained with osmium so that it appears dark through the thinned bone. An implant electrode array had been inserted into this specimen and a portion of the array can be seen at lower left.

B: Similar preparation in which the bone overlying scala vestibuli has been removed to show the osmium-stained basilar membrane and osseous spiral lamina.