RUIIAND) Masha D, and Cheyarne N HAMILION Department of Physical Therapy, Hadin Simmons University, Abilene, TX, 79898, USA <u>Michle Far Dissection in the Anatomy Cadaver Lab</u> <u>to Improve Fiture Filtration</u>

NIRCLUCION Commenty, cadaver dissections of the middle ear are performed using an endoscepe Dissections using an endoscepe are highly specialized and not available to all cachaver anatomy labs. The middle ear is difficult to dissect due to its endosed location within the temporal bare. These factors contribute to lack of dissection of the middle car. Instead other nethods of teaching the middle carace used This study provides cacheer dissection techniques that can be utilized to allow for more wides pread anatomical teaching of the middle carbones **RECURDS** Enhanced Cachaeus **DESCRIPTION** Before performing the middle cardissection the entire calvaria was removed using a bone saw directly above the cycluows and one inch superior to the car caral. Once completed, both the carebellum and carebrum were removed fiomtheoanial cavity. Soft tissues uncurding the ear, styloid process, and mast oid process were removed using a scalpel. The proceeposition allowed the most access to the dissection area prior to initiation of the middle cardissection When attempting to dissect the middle card section of the temporal bone was removed from the calvaria for more visualization of the external action yneaus Then dissection to disvere used to remove the anterior portion of bone from the esternal autitory means, exposing the tymparic membrane. Visualization of the middle ear cavity was possible after the removal of the tymparic membrane, being careful of the attached nales One the middle carvas exposed the nales was viewed and removed followed by the inus and stapes Caremat be used with dissection of the stapes due to its fiagility, and the aus can be a konstruction of the foot plated university of the states was removed the oval window could be viewed SIGNECANCE By performing this dissection the anatomy and physiology of the middle carvas dearer to first year students The techniques used in this dissection method allowed anatomy sturkerts the ability to locate and dissect the michle car with mininal difficulty and with common dissection tools. By performing the dissections on cadavers, students can increase their knowledge and skill set in th ria eB h