

From the Medical Anatomy Center (MAC):

Rural Oregon High School students visit the MAC for Virtual & Hands-on Medical Technology and Pathology Experience Integrated with Lifestyle Choices

Brion Benninger, MD, MSc, Professor of Medical Innovation, Technology & Research and Clinical Anatomy, hosted a combined *Virtual Human Surgical, Radiological and Anatomy* tour with a *Preventative Alcohol & Drugs Pathology* tour for Sisters High School (rural area in central Oregon) students. The Virtual session included interaction with Sectra 3D Visualization table enabling each student to surgically dissect and identify stereostructural anatomy in several planes while viewing sectional imaging, robotics with haptic feedback from Opus Mini ultrasound guided injections, and conducting live ultrasound with novel ultrasound finger probe experiencing the triple feedback technique invented by Dr. Benninger. The Preventative Alcohol & Drugs Pathology session included a hands-on tutorial from Dr. Benninger with the students touching and comparing actual livers revealing healthy and cirrhosis pathology representing healthy versus abusive lifestyle choices. They also compared healthy hearts and those diseased with plaque. Thank you to Heather Johnson, Coordinator of Career Technology Education (CTE) and pre-hospital health care provider, for her passion to make this opportunity happen for her students and allow the MAC to teach them from the Virtual and Clinical Skills lab. Special thanks also to Wilson Chen, MAC Research and Medical Technology associate who was terrific teaching on the Virtual tour. Thank you also to Luke Rauch for helping coordinate the visit. Heather Johnson and Dr. Benninger are creating an ongoing collaboration, which will continue to include COMP-Northwest students while conducting educational research.