**PROJECT RESUME**

**TITLE**: Design and creation of an intra-operative video atlas as a learning tool to enhance the development and retention of medical students’ anatomical understanding and highlight the relevance of anatomy to clinical practice

Understanding anatomy is essential in medical education, but traditional methods have limitations. Using donated human tissue, while valuable, may not fully represent living anatomy, as the embalming process alters the appearance of the tissues. This can reduce the clinical relevance of anatomy education.

This study explores whether recordings of operations, enhanced with narrated explanations, drawings, and annotations, improve students’ understanding of anatomy. Medical students will be divided into two groups—one using standard learning materials and another with access to a specialized video atlas featuring real surgeries. Their knowledge will be tested before and after, and their feedback will assess the videos' usefulness.

By evaluating both educational impact and student perceptions, this study aims to determine whether surgical videos should be widely used in medical training. If effective, this approach could enhance anatomy education, better prepare students for clinical practice, and ultimately improve surgical outcomes and patient safety.

*File: USRVS Project Resume 202425 SWAINSON*