

The goals of this project are to complete the remaining micro-modules that form an integral part of the e-learning environment for the course. In this project, ***we aim to feature the clinical aspects of the use of diuretics to treat patients with hypertension.*** These micro-module videos are interactive and present simultaneous audio narration and subtitles. The videos will supplement classroom teaching by providing a more complete blended e-learning environment. Some components of these micro-modules will contain quizzes as formative assessments to track students' ability to obtain the necessary information delivered in each micro-module. Students will be able to visualize how different categories of diuretics used in clinical practice work in the human kidneys. The key physiological and side effects will be represented through interactive animations.

The main benefits of the project will be the correction of common student misconceptions about the side effects of diuretics in different regions of the kidney tubules known as nephrons.