

FYI: Application Optical Coherence Tomography

- One “mirror” of the Michelson is replaced by human tissue. The type of tissue controls the amount of reflection and the phase shift.
- By sending in many colors, one can learn about the density, composition, and structure of the tissue.
- Used for medical diagnostics – like a microscope, but you don’t have to excise the sample from the body!
- Used to study
 - skin cancer
 - cardiovascular disease (detect bad plaques)
 - glaucoma and macular degeneration (incurable eye disease)

