Radiofrequency ablation has been the dominant form of heating in minimally invasive thermal ablative therapy. More recently, microwave ablation devices have been developed and introduced into the clinic. Owing to advances in each of these technologies as well as fundamental differences of operation, there are advantages and challenges associated with each of these approaches. The educational goals of this talk are to:

- Provide an overview of current practice and methods of radiofrequency ablation.
- Provide an overview of current practice and methods of microwave ablation.
- Discuss the advantages and challenges associated with each modality via review of case examples.
- Discuss future opportunities for radiofrequency and microwave ablation.