

“Introduction to PET-MRI Scanner Technology “ – David W. Jordan, Ph.D.  
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(20 minutes)

Objectives:

- Describe the main features and characteristics of current types of PET-MRI scanner systems
- List the advantages and disadvantages of simultaneous PET-MRI scanner design
- List the advantages and disadvantages of sequential PET-MRI scanner design

Outline:

- Major components and subsystems of Siemens Biograph mMR simultaneous platform
- Major components and subsystems of Philips Ingenuity TF sequential platform
- Advantages of current simultaneous scanner technology
- Disadvantages of current simultaneous scanner technology
- Advantages of current sequential scanner technology
- Disadvantages of current sequential scanner technology
- Work in progress and future developments – prospects to overcome disadvantages of both types