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## **Angiographic PACS**

Robert Cecil, Ph.D., Staff The Cleveland Clinic Foundation, Cleveland Ohio 44195

Technologies of particular interest in the specification, selection and subsequent maintenance of angiographic PACS systems are reviewed, including cardiology cath cine, echo ultrasound and vascular imaging. These diagnostic and interventional medical modalities all produce large imaging data sets that present unique technological and implementation challenges. Past, current and emerging technologies that are commonly found in PACS are compared. Specific implementations are presented for image distribution and review, intermediate storage and archival. Impact is shown on newer generations of radiology PACS designed to accommodate emerging multi-row CT, cardiac MR and ultra sound multi-frame objects. Data streaming technologies are compared with routed and rule based pre-fetch systems applied to varying size PACS and multi-site imaging distribution. Specific examples of PACS HIPAA compliant implementations for both security and disaster recovery are provided for benchmarking.