This lecture will discuss the integration of picture archive and communication system (PACS) with Radiology Information Systems (RIS) and Hospital Information Systems (HIS). The importance of system integration in dealing with issues of acquisition and distribution will receive considerable attention. In addition, issues regarding the storage and retrieval of PACS data will be discussed. Both the nature of interfaces and issues of functionality will be presented.

Educational Objectives:

1.   Understand and explain the configuration of PACS components with the RIS and HIS.

2.   Determine storage needs for a PACS installation.

3.   Evaluate and configure optimal strategies for image distribution within ` an institution and enterprise.