This study evaluated the migration of medical image data stored thorough a mini-PACS to a full-PACS at the Yonsei University Medical Center. The 2.7 TB of stored image data was migrated through 4,500 CD archives at the Yongdong Severance hospital and 4.7 TB (2:1 image compression ratios) stored through the 196 DLT archives at the Severance hospital. Prior to carrying out the migration, the principles, methods and expected practical affairs were discussed and planned in order to optimize the migration. The CD image data of the 2.7 TB were estimated to require a total of about 94 days, but the practical migration work was completed within 3 months by using a maximum of 5 workstations. The DLT data of the 4.7 TB were estimated to require a total of 100 days by applying 16 man-hours per day with a single workstation. However, the practical migration work took 5 months. Migration plan should be carefully prepared by considering the individual hospital environments because the server system, archive media, the network, and the policy for data management may be unique.

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