PACS, or Picture Archiving and Communication System, is a medical imaging technology primarily used in healthcare organizations to securely store and digitally transmit electronic images and clinically-relevant reports.

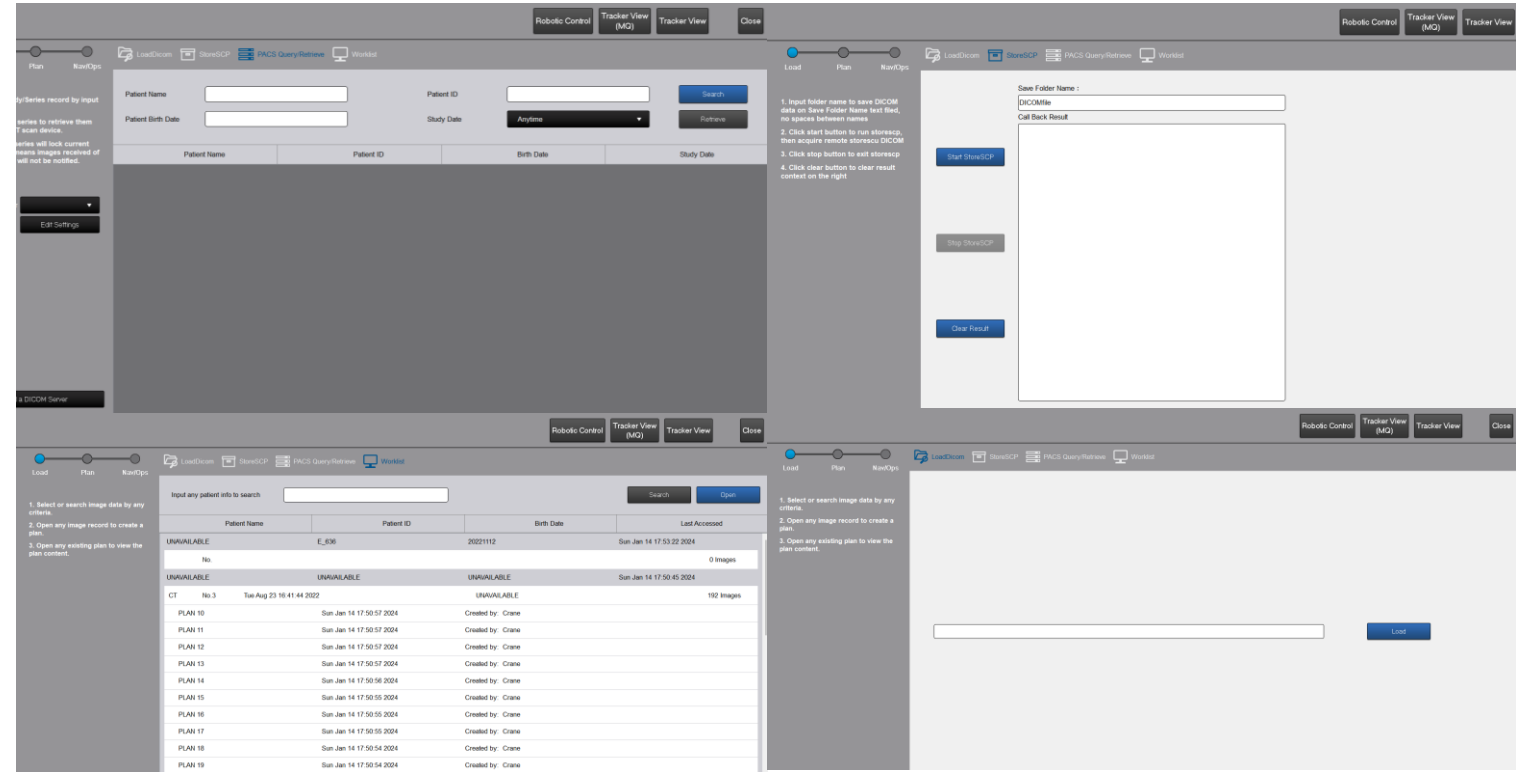I realize some key components related to **Orthopedic Robotics**:

1.Image Storage: PACS provides a central repository for storing large volumes of imaging data, such as X-rays, CT scans, MRIs, and ultrasound images.

2.Image Retrieval: It enables quick and easy access to images and associated data from multiple modalities. This allows for efficient comparison of current and past images for a patient.

3.Image Viewing: PACS often includes tools for viewing images, which can be used by physicians and radiologists to analyze images and make diagnoses. These tools might include zoom, rotate, measure, and other image manipulation features.

4.Digital Imaging and Communications in Medicine (DICOM): PACS systems use the DICOM standard for handling, storing, printing, and transmitting information in medical imaging. It includes a file format definition and a network communications protocol.

PACS System

NDI Navigation Camera and Robotic Control