As PACS gains widespread use, the importance of quality assurance in medical image displays is rising and QA control methods are specified by guidelines and standards worldwide. In Japan, QA guidelines JESRA X-0093^{-2005} kicked into full swing last August. The JESRA QA guidelines are based on the current AAPM-TG18 and the expected IEC standards.

In light of such trends in the market, TOTOKU developed a QA software that covers AAPM-TG18 and the other major standards, QA Medivisor. This software makes acceptance and constancy testing easy and accurate.

There is also a demand from medical personnel for a solution that quantitatively controls display quality. TOTOKU's i model displays satisfy such a need. The i-model displays have a luminance sensor that is installed in front of the LCD panel. It controls the display's luminance, the key factors in determining display quality, and realizes quick and easy evaluation of the display's conformance to the DICOM GSDF. This conformance evaluation function can be used to supplement other standards and guidelines.

Furthermore, TOTOKU's performance monitoring software PM Medivisor keeps a constant watch on operating status of all displays connected to the PACS network.

This workshop focuses on the basic QA procedures and a demonstration of the DICOM GSDF conformance evaluation on the i-model display.