## 5 - Medical Image Characteristics and Image Quality

Balter S, Stanton L. Medical image intensifier in 1980? Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 35-42.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.

Barone GJ, Showalter CK. Results of performance testing of certified diagnostic X-ray equipment. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V 1976; 96: 374-8.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Medical Imaging Systems; Quality Assurance Programs; Equipment Performance Analysis.

Chan KK, Ishimitsu Y, Stewart BK, Huang HK. High speed image compression system, prototype and final configuration. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 786-91.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.

Goldberg M, Robertson J, Bélanger G. Evaluating digital radiology imaging requirements by diagnostic reporting. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1225-31.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: New Imaging Facilities; Computer Applications in Radiology; Equipment Performance Analysis. Goodenough DJ, Weaver KE, Davis DO. Development of a phantom for evaluation and assurance of image quality in CT scanning. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V 1976; 96: 228-51.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Medical Imaging Systems; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.

Gray JE, Capp MP, Shannon RR, Whitehead FR. Modulation transfer function degradation and false resolution in radiographic imaging systems. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 95-102.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.

Grossel SS. Medical x-ray imaging, the evolving state of the art. Proceedings of the Society of Photooptical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 161-6.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: New Imaging Facilities; Medical Imaging Systems; Computer Applications in Radiology.

Hevezi JM. Mammographic image quality. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V 1976; 96: 423-5.

No abstract or full text available online.

Contact your academic library system for availability.

**KEYWORDS**: Medical Imaging Systems; Digital Imaging; Medical Image Characteristics and Image Quality.

Honda K, Sasagawa M. Clinical evaluation and applications of digital images in CRT examination. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1307-9. No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Computer Applications in Radiology; Digital Imaging; Equipment Performance Analysis.

Kishore S, Seshadri SB, Arenson RL. Medical image management system (MIMS) VIEW-station for orthopedic images. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1023-34.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: New Imaging Facilities; Computer Applications in Radiology; Medical Image Characteristics and Image Quality.

Krusos GA. Correction for x-ray source optical-transfer-function degradation of radiological images by optical spatial filtering. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 63-74.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Medical Imaging Systems; Digital Imaging; Equipment Performance Analysis.

Lo SCB, Mun SK. Data compression for a radiology image display system with visual directory. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1203-8.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: New Imaging Facilities; Computer Applications in Radiology; Medical Image Characteristics and Image Quality.

McNeill KM, Seeley GW, Maloney K, Fajardo L, Kozik M. Comparison of a digital workstation and a film alternator. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 929-32.

No abstract or full text available online. Contact your academic library system for availability. KEYWORDS: New Imaging Facilities; Digital Imaging; Equipment Performance Analysis.

Mistretta CA. The use of a general description of the radiological transmission image for categorizing image enhancement procedures. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 75-82.

No abstract or full text available online.

Contact your academic library system for availability.

**KEYWORDS**: Medical Imaging Systems; Computer Applications in Radiology; Equipment Performance Analysis.

Mistretta CA, Kelcz F, Ort MG, Siedband MP, Cameron JR, Crummy AB, Polcyn RE. Instrumentation and current results in absorption edge fluoroscopy. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 141-50.

No abstract or full text available online.

Contact your academic library system for availability.

**KEYWORDS**: Computer Applications in Radiology; Digital Imaging; Equipment Performance Analysis.

Morgan TJ, Smith LB, Kirkland LR. Some sources of errors in the performance testing of diagnostic x-ray systems. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V 1976; 96: 379-84.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Medical Imaging Systems; Quality Assurance Programs; Equipment Performance Analysis.

Payne JT, MCCullough EC, Stone T, Gedgaudas E. Image format and viewers for computerized tomographic scanners. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V 1976; 96: 300-2.

No abstract or full text available online.

**KEYWORDS**: Medical Imaging Systems; Computer Applications in Radiology; Medical Image Characteristics and Image Quality.

Pollehn HK. Noise and image degrading effects in image intensification. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 43-50.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Medical Imaging Systems; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.

Robbins CD, Enck Jr. RS, Sackinger JP. High performance continuous zoom x-ray image intensifiers. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 23-32.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.

Rossmann K, Williams JR, Goodenough DJ. Evaluation of radiographic image quality. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 75-82.

No abstract or full text available online. Contact your academic library system for availability. **KEYWORDS**: Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Quality Assurance Programs.

Seeley GW, de Valk JPJ, Kroon HM, Rompelman O, Bakker AR. Image compression evaluation: an example of a PACS component analysis chain using psychophysics. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 792-8.

No abstract or full text available online.

Contact your academic library system for availability.

**KEYWORDS**: Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis. Swenson RA, Willes RL. Image analysis in medicine. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 67-74.

No abstract or full text available online.

Contact your academic library system for availability.

**KEYWORDS**: Computer Applications in Radiology; Digital Imaging; Equipment Performance Analysis.

Villagran JE, Gray JE, Hobbs BB, Gillan GD. Improvements in the performance of intensifying screens by energy selective x-ray filtration. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V 1976; 96: 185-9.

No abstract or full text available online.

Contact your academic library system for availability.

**KEYWORDS**: Medical Imaging Systems; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.