4 – Digital Imaging (Filmless Radiology, Digitization, etc.)


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** Radiographic Film Viewing; Viewing Conditions.


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** Medical Image Characteristics and Image Quality; Formation and Development of Medical Imaging Modalities.


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** Modulation Transfer Function; Measurement Methods; Image Intensifier Systems.


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** Optical Spatial Filtering; Optical Image Enhancement; Medical Diagnosis; Nuclear Medicine.

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.


Abstract and full text available online.

**URL:** http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=00049713

**KEYWORDS:** Digital Imaging Network (DIN); Filmless Radiology Department; Technological Challenges.


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** New Imaging Facilities; Digital Imaging; Equipment Performance Analysis.


Abstract and full text available online.

**URL:** http://doi.acm.org/10.1145/1478873/1479009

**KEYWORDS:** Computer-assisted Diagnosis.


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS**: X-ray Exposure; Omnicon; Device Design; Electro-optical Instrumentation.


*Abstract and full text available online.*


**FULL TEXT SOURCE**: HighWire Press.

**KEYWORDS**: Prototype Testing; Digital Radiography; Chest Examinations.


*No abstract or full text available online.*

Contact your academic library system for availability.

**KEYWORDS**: Film Digitization; Technical Requirements; Chest Radiography.


*No abstract or full text available online.*

Contact your academic library system for availability.

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


*No abstract or full text available online.*

Contact your academic library system for availability.

**KEYWORDS**: Radiographic Imaging Systems; Modulation Transfer Function Degradation; False Resolution; Image Analysis, Enhancement and Evaluation.


**KEYWORDS:** Medical Imaging Systems; 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 Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 161-4. No abstract or full text available online. Contact your academic library system for availability. 

**KEYWORDS:** Evaluation of Image Enhancement Techniques; Diagnosis.


**KEYWORDS:** Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.


**FULL TEXT SOURCE:** HighWire Press.
**KEYWORDS:** Digital Imaging; Equipment Performance Analysis; Formation and Development of Medical Imaging Modalities.

*Abstract and full text available online.*


**FULL TEXT SOURCE:** HighWire Press.

**KEYWORDS:** Chest Radiography; Fluoroscopy.


*This is a collection of five consecutive articles within the same section from volume 7263 of the publication Medical imaging 2009.*

*Abstract and full text available online from SPIE Digital Library.*

**URL:** [http://spiedl.aip.org/dbt/dbt.jsp?KEY=PSISDG&Volume=7263&Issue=1#MAJOR4](http://spiedl.aip.org/dbt/dbt.jsp?KEY=PSISDG&Volume=7263&Issue=1#MAJOR4)

**KEYWORDS:** Medical Image Characteristics and Image Quality; Equipment Performance Analysis; Formation and Development of Medical Imaging Modalities.


*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.


*No abstract or full text available online.*

*Contact your academic library system for availability.*
**KEYWORDS:** Image Quality Measurements; ROC Analysis; Comparative Studies.


*No abstract or full text available online.*

*Contact your academic library system for availability.*

**KEYWORDS:** Medical Image Characteristics and Image Quality; Equipment Performance Analysis; Formation and Development of Medical Imaging Modalities.


*No abstract or full text available online.*

*Contact your academic library system for availability.*

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


*No abstract or full text available online.*

*Contact your academic library system for availability.*

**KEYWORDS:** New Imaging Facilities; Medical Imaging Systems; Equipment Performance Analysis.


*Full text not available online.*

*Contact your academic library system for availability.*

Abstract available online.

**KEYWORDS**: Scanning Equalization Radiography (SER); Theoretical Considerations; Chest Radiography.


*Full text not available online.*

*Contact your academic library system for availability.*


**KEYWORDS**: Scanning Equalization Radiography (SER); Practical Implementation; Chest Radiography.


*No abstract or full text available online.*

*Contact your academic library system for availability.*

**KEYWORDS**: Video Image Intensifier; Diagnostic Radiology; Exposure Reduction.


*Full text available online.*


**FULL TEXT SOURCE**: HighWire Press.

**KEYWORDS**: New Imaging Facilities; Medical Image Characteristics and Image Quality; References Related to Medical Imaging.


*Abstract and full text available online.*


**FULL TEXT SOURCE**: HighWire Press.

**KEYWORDS**: Medical Imaging Systems; References Related to Medical Imaging.

No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** Performance Standards, Image Intensifiers.


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** Analysis of Film/Screen Combinations; Patient Exposure; Nationwide Evaluation of X-ray Trends (NEXT).


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** X-ray Exposure Reduction; Image Storage Systems; Fluoroscopy; Image Intensifier Systems.


Abstract and full text available online.


**FULL TEXT SOURCE:** Elsevier Science.

**KEYWORDS:** Medical Imaging Systems; Digital Imaging; Equipment Performance Analysis.


No abstract or full text available online.
Contact your academic library system for availability.

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


Abstract and full text available online.


**FULL TEXT SOURCE:** HighWire Press.

**KEYWORDS:** Image Intensifier Systems; Hardware and Software Development; Clinical Evaluation.


Abstract and full text available online.


**FULL TEXT SOURCE:** HighWire Press.

**KEYWORDS:** Prototype Testing; Digital Radiography; Chest Examinations.


Full text available online.

**URL:** [http://locatorplus.gov/cgi-bin/Pwebrecon.cgi?DB=local&v1=1&ti=1,1&Search_Arg=101237715&Search_Code=0359&CNT=20&SID=1](http://locatorplus.gov/cgi-bin/Pwebrecon.cgi?DB=local&v1=1&ti=1,1&Search_Arg=101237715&Search_Code=0359&CNT=20&SID=1)

**KEYWORDS:** New Imaging Facilities; Computer Applications in Radiology; References Related to Medical Imaging.

Thornbury JR, Fryback DG, Patterson FE, Chiavarni RL. A methodology for comparison of quality of radiologic images from different screen/film combinations based on radiologists’ subjective

No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** Image Quality Comparisons; Radiology Subjective Judgments; Evaluation of Methodologies.


Abstract and full text available online.


**FULL TEXT SOURCE:** HighWire Press.

**KEYWORDS:** AMBER (Advanced Multiple Beam Equalization Radiography); Chest Radiography.


No abstract or full text available online.
Contact your academic library system for availability.

**KEYWORDS:** Image Evaluation; Laboratory Studies; Clinical Interfaces.

Wagner RF. Lessons from my dinners with the giants of modern image science. Radiation Protection Dosimetry 205; 114: 4-10.

Abstract and full text available online.


**FULL TEXT SOURCE:** HighWire Press.

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


No full text available online.
Contact your academic library system for availability.

Abstract available online.


**KEYWORDS:** X-ray Scatter Reduction.


*No abstract or full text available online.*

Contact your academic library system for availability.

**KEYWORDS:** Signal to Noise Ratio; Image System Performance Assessment and Optimization.


*No abstract or full text available online.*

Contact your academic library system for availability.

**KEYWORDS:** Medical Imaging Systems; Equipment Performance Analysis; Formation and Development of Medical Imaging Modalities.


*No abstract or full text available online.*

Contact your academic library system for availability.

**KEYWORDS:** X-ray Intensifying Screens; Radiographic Film-screen Noise; X-ray Exposure Reduction.


*Full text not available online.*

Contact your academic library system for availability.
Abstract available online.


**KEYWORDS:** New Imaging Facilities; Medical Image Characteristics and Image Quality; Radiation Exposure and Dose.


Abstract and full text available online.


**FULL TEXT SOURCE:** Ovid Technologies, Inc.

**KEYWORDS:** Storage Phosphor Imaging; Image Intensifiers; Chest Radiography; X-ray Detectors; Image Enhancement.


Abstract and full text available online.


**FULL TEXT SOURCE:** HighWire Press.

**KEYWORDS:** Scanning Equalization Radiography (SER); Slit and Raster Scanning Techniques; Clinical Comparison; Chest Radiography.


*Full text not available online.*

Contact your academic library system for availability.

Abstract available online.


**KEYWORDS:** Medical Imaging Systems; Quality Assurance Programs; Formation and Development of Medical Imaging Modalities.