

9 - Ultrasound

Baker JP. The history of sonographers. Journal of Ultrasound in Medicine 2005; 24: 1-14.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Clinical Applications; Equipment Development; Technical Evaluation.*

Beach KW. D. Eugene Strandness, Jr, MD, and revolution in noninvasive vascular diagnosis. Part 1: foundations. Journal of Ultrasound in Medicine 2005; 24: 259-72.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

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

Beach KW. D. Eugene Strandness, Jr, MD, and revolution in noninvasive vascular diagnosis. Part 2: progression of vascular disease. Journal of Ultrasound in Medicine 2005; 24: 403-14.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Clinical Applications; Formation and Development of Medical Imaging Modalities.*

Beach KW. D. Eugene Strandness, Jr, MD, and revolution in noninvasive vascular diagnosis. Part 3: seeking precision. Journal of Ultrasound in Medicine 2005; 24: 567-81.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

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

Cohen HL, Moore WH. History of emergency ultrasound. *Journal of Ultrasound in Medicine* 2004; 23: 451-8.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Clinical Applications; Equipment Performance Analysis.*

Cronan JJ. History of venous ultrasound. *Journal of Ultrasound in Medicine* 2003; 22: 1143-6.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Clinical Applications; Equipment Performance Analysis.*

Curtin HR, Anderson RE. Medical imaging capability of liquid surface ultrasonic holography. *Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine* 1972; 35: 181-8.

No abstract or full text available online.

Contact your academic library system for availability.

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

Dempsey PJ. The history of breast ultrasound. *Journal of Ultrasound in Medicine* 2004; 23: 887-94.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

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

Fleischer AC. Gynecologic sonography: past, present, and future. *Journal of Ultrasound in Medicine* 2003; 22: 759-63.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Clinical Applications; Equipment Performance Analysis.*

Goldberg BB. International arena of ultrasound education. *Journal of Ultrasound in Medicine* 2003; 22: 549-51.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

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

Goldberg BB, Kimmelman BA. Medical diagnostic ultrasound: a retrospective on its 40th anniversary. Eastman Kodak Company; 1988.

Preface and full text of monograph not available online.

Contact the American Institute of Ultrasound in Medicine or your academic library system for availability.

KEYWORDS: *History of Ultrasound; Diagnostic Applications; Development of Standards.*

Haller JO, Slovis TL, Babcock DS, Teele RL. Early history of pediatric ultrasound (circa 1960-1985). Journal of Ultrasound in Medicine 2004; 23: 323-9.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

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

Kane RA. Intraoperative ultrasonography: history, current state of the art, and future directions. Journal of Ultrasound in Medicine 2004; 23: 1407-20.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Interoperative Clinical Applications; Formation and Development of Medical Imaging Modalities.*

Kurtz AB. The AIUM celebrates 50 years of excellence. Journal of Ultrasound in Medicine 2003; 22: 545-48.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *References Related to Medical Imaging.*

Lizzi FL, Coleman DJ. History of ophthalmic ultrasound. Journal of Ultrasound in Medicine 2004; 23: 1-14.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Ophthalmological Applications; Equipment Performance Analysis.*

Lopez H, Loew MH. Computational observer for performing contrast-detail analysis of ultrasound images. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-A: 60-6.

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.*

Lowe H, Bamber JC, Webb S, Cook-Martin G. Perceptual studies of contrast, texture, and detail in ultrasound b-scans. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-A: 40-7.

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.*

Matzuk T, Skolnick ML. Improved grey level ultrasound display suitable for bistable storage scope-parts I and II, clinical experience in comparison with conventional scan converter systems. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V 1976; 96: 334-7.

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.*

McGahan JP. The history of interventional ultrasound. Journal of Ultrasound in Medicine 2004; 23: 727-41.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *New Imaging Facilities; Formation and Development of Medical Imaging Modalities.*

Meyer RA. History of ultrasound in cardiology. *Journal of Ultrasound in Medicine* 2004; 23: 1-11.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

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

Nelson III JH. Echoes from the past: history of obstetric ultrasound. *Journal of Ultrasound in Medicine* 2003; 22: 1-14.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Formation and Development of Medical Imaging Modalities.*

Nyborg WL. History of the American institute of ultrasound in medicine's efforts to keep ultrasound safe. *Journal of Ultrasound in Medicine* 2003; 22: 1293-1300.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

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

Pizer SM, Chan FH, Fullton JM, Johnston RE, Lane Jr. HH. Medical imaging display system-ultrasonography. *Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V* 1976; 96: 354-60.

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.*

Resnik MI. Ultrasonography of the prostate and testes. *Journal of Ultrasound in Medicine* 2003; 22: 1-9.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

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

Sanders RC. Changing patterns of ultrasound-related litigation: a historical survey. *Journal of Ultrasound in Medicine* 2003; 22: 1009-1015.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *References Related to Medical Imaging.*

Smith SW. Diagnostic ultrasound: a review of clinical applications and the state of the art of commercial and experimental systems. U.S. Washington DC: Public Health Service; 1976. Pub. No. 76-8055. U.S. Department of Health, Education, and Welfare. Rockville (MD); 1976.

Introduction and full text not available online.

Contact your academic library system for availability.

KEYWORDS: *Clinical Applications; Technical Developments and Procedures; Equipment Evaluation.*

Stouffer JR. History of ultrasound in animal science. *Journal of Ultrasound in Medicine* 2004; 23: 577-84.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *References Related to Medical Imaging.*

Valente CM, Wagner SM. History of the American institute of ultrasound in medicine. *Journal of Ultrasound in Medicine* 2005; 24: 131-42.

Abstract and full text available online.

URL: <http://www.jultrasoundmed.org>

KEYWORDS: *Formation and Development of Medical Imaging Modalities.*

Waxman A. Use of microprocessors in grey scale ultrasound. *Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine V* 1976; 96: 338-44.

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.*