

European Federation of Societies for Ultrasound in Medicine and Biology



EFSUMB Euroson Schools

EFSUMB presents a number of Schools in 2026 and Endorsed Courses which can be viewed on the EFSUMB website <https://efsumb.org/endorsed-course>

	EUROSON SCHOOL: Contrast-Enhanced Ultrasound <i>National Palace of Culture in Sofia, Bulgaria</i> 25 September 2026 
	EUROSON SCHOOL: Postgraduate Course "Tropical Medicine and Point-of-Care Ultrasound: An Integrated Approach" September 2026 – March 2027 <i>Online Course</i> 
	EUROSON SCHOOL: Current Concepts in Diagnostic and Interventional Ultrasound <i>Location: Point Hotel Barbaros - Istanbul</i> 3-4 October, 2026 
	EUROSON SCHOOL: Musculoskeletal Sonography Course in Rheumatology - Basic Level <i>Location: Graz, Austria</i> 14 - 16 October 2026 
	EUROSON SCHOOL: Global CEUS Masterclass, Hepatic and Extrahepatic Indications, Europe meets China and North America <i>Location: Munich, Germany</i> 25 - 28 October 2026 
	EUROSON SCHOOL: Intermediate Musculoskeletal Ultrasound Course <i>Location: Belek Beach Resort Hotel, Antalya</i> 28 - 30 October, 2026 
	EUROSON SCHOOL: Advanced Musculoskeletal Ultrasound Course <i>Location: Belek Beach Resort Hotel, Antalya</i> 29 - 31 October, 2026 
	EUROSON SCHOOL: Interventional Ultrasound <i>Berlin, Germany</i> 15-17 April 2027   

Webinars

EFSUMB Webinar: Point-of-Care Ultrasound for Primary Care

Thursday, 8 October 2026 ~ 18.00 CEST

4 x Speakers + questions & discussion

[VIEW HERE](#)



WFUMB Webinar: Steatotic Liver Disease

Organized by WFUMB, chaired by: Dr. Mar Pérez-Peña



23 SEPTEMBER 2026

17:00 European time (CEST)



Annalisa Berzigotti
Clinical aspects



Giovanna Ferraioli
Diagnosis - Quantitative ultrasound



Alina Popescu
Diagnosis - B-mode ultrasound



Vincent Wong
Treatment

[REGISTER HERE](#) ►



Case of the Month

EFSUMB invites submission of interesting cases for the website section “Case of the Month”. All CoM submissions are eligible for selection for free registration at the next Euroson congress. The EFSUMB Publications Committee will review all *Best Case of the Month* submissions at the end of March 2026. Two cases that receive the most “likes” over a period from the last congress to March 2026 and judged on a range of factors, including scientific value, will re-

ceive free registration for the next EUROSON congress and the third case will receive a cash prize of 100 EUR.

Visit the Case of the Month archive <https://efsumb.org/case-of-the-month-archive/>

This International CEUS Course focuses on four key objectives:

1. **CEUS fundamentals:** ultrasound systems, techniques, and optimal settings
2. **Diagnostic applications:** hepatic and extrahepatic pathologies
3. **Interventional applications:** guidance and monitoring of procedures
4. **Hands-on workshops:** tips and tricks, with expert case discussions in small groups at industry booths

EUROSON SCHOOL
25-28 October 2026

Global CEUS Masterclass
Hepatic and Extrahepatic Indications
Europe meets China and North America

WWW.CEUS-COURSE.EU

REGISTER HERE

Course Directors Europe: Weskott H. P. and Clevert D. A.
Course Directors China: Huang P. and Dong Y.

Ludwig Maximilians University Munich
St. Vincent House (Conference Room), Nußbaumstrasse 5
D-80336 Munich, Germany

EUROSON SCHOOL:
CONTRAST-ENHANCED ULTRASOUND COURSE
25TH SEPTEMBER, 2026

REGISTER HERE

HIGHLIGHTS

- Real-time ultrasound examinations conducted by 3–4 hospitals
- Interactive audience discussions
- Educational lectures and presentations by international participants

EVENT

The course will be organized within the framework of the National Congress of the Bulgarian Ultrasound Association, taking place 25–27 September 2026.

VENUE:
National Palace of Culture
Sofia, Bulgaria

EFSUMB Journal Club – number 9

Title

Beyond single cut-off values in ultrasound: limitations and implications for context aware radiology reporting

Insights Imaging. 2026 Aug 17;17(1):204.
doi: 10.1186/s13244-026-02371-9.

Authors

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Objectives

Quantitative ultrasound frequently relies on single cut-off values to dichotomize continuous measurements into “normal” and “abnormal.” Although embedded in workflows and guidelines, their biological plausibility and their external validity may be limited in heterogeneous clinical populations and across different technical settings.

This narrative review evaluates the conceptual foundations, clinical implications, and relevance of single cut-off values for contemporary radiology reporting.

Methods

Critical review of studies, consensus statements, and international guidelines published between 1991 and February 2026, predominantly via PubMed/MEDLINE, with emphasis on recent and clinically relevant evidence.

Research on diagnostic accuracy, population-based studies, and methodological investigations was qualitatively synthesized to assess the biological, technical, and clinical limitations of fixed cut-off values in ultrasound.

Studies and documents were prioritized if they fulfilled at least one of the following criteria: (1) they addressed methodological limitations of dichotomizing continuous biomarkers; (2) they provided empirical evidence for variability, overlap, or uncertainty of quantitative ultrasound measurements; (3) they represented consensus statements or guidelines relevant to clinical ultrasound reporting; (4) they illustrated clinically relevant examples in which fixed thresholds are widely used; or (5) they discussed probabilistic, percentile-based, multivariable, or longitudinal interpretation strategies.

As this article was not designed as a systematic review, no formal meta-analysis or PRISMA flowchart was included.

Results

Most quantitative ultrasound parameters reflect continuous biological processes influenced by patient characteristics, technical factors, and operator variability. Dichotomization may lead to information loss, misclassification, and reduced generalizability, particularly near decision boundaries (“gray zones”).

Evidence from vascular ultrasound, elastography, and organ volumetry supports continuous risk gradients rather than discrete biological thresholds.

Technical and operator-related variability further limits universal transferability across vendors and clinical settings.

Reliance on single cut-off values in ultrasound largely reflects historical and methodological convention rather than biological discontinuities.

Context aware interpretation strategies, including percentile-based references, multivariable risk models, probabilistic reporting, and longitudinal assessment, may better reflect biological variability and diagnostic uncertainty.

Conclusion

Single cut-off values remain widely used in quantitative ultrasound, despite uncertainty about their biological validity, diagnostic reliability, and generalizability in clinical practice.

Fixed ultrasound thresholds remain clinically useful but may lead to misclassification when biological variability, technical factors, and clinical context are not accounted for.

Many ultrasound-derived parameters are continuous, context-dependent biomarkers whose meaning cannot be fully captured by rigid dichotomization, particularly near decision boundaries where measurement uncertainty and variability are greatest.

Evidence supports more nuanced interpretative frameworks.

Approaches such as percentile-based references, multivariable risk models, probabilistic reporting, and longitudinal assessment preserve quantitative information while better reflecting uncertainty and interindividual variability.

The article recommends: to report uncertainty explicitly near boundaries (“gray zones”), instead of a deterministic “normal/abnormal” label; prefer contextual reference frameworks when available; to integrate pre-test probability and indication, and to use trends for monitoring whenever possible.

Key points

Quantitative ultrasound findings should be interpreted as context-dependent measurements rather than absolute diagnostic boundaries.

Thresholds should evolve from rigid decision boundaries toward context-sensitive reference points helping communicate diagnostic uncertainty more transparently.

Despite ongoing standardization and AI-assisted optimization, individualized clinical

judgment remains essential to integrate imaging findings into meaningful patient care.

Link (DOI)

<https://dx.doi.org/10.1186/s13244-026-02371-9>

Ultrasound speciality

Continuous biomarkers, Cut-off values, Quantitative ultrasound, Ultrasound variability

Short-Review by

Prof. Dr. Jose Luis del Cura
Department of Radiology
Donostia University Hospital
Spain

Strengths

Approximately 200 publications screened. Diverse publication types included: original observational and diagnostic studies, reviews and meta-analyses, methodological/

statistical papers, consensus statements, guidelines and reporting/scientific statements.

Includes very common and enlightening practical examples.

Integrates methodological, biological, and clinical perspectives on cut-off values in quantitative ultrasound and links these concepts to contemporary reporting frameworks.

Provides a conceptual framework that support more context-aware and clinically meaningful ultrasound reporting.

Weaknesses

Narrative review.: provides a concept-driven synthesis rather than a systematic screening and appraisal process. No meta-analysis or structured risk-of-bias assessment was performed.

Not a systematic review. Study selection was not exhaustive and may be affected by personal opinions of the authors and a selection bias is probable.

The focus is on adult ultrasound and selected exams with established cut-offs. International guidelines and consensus documents are used, but local implementation varies across institutions and vendors.

Personal thinking

Interesting observation regarding the use of continuous variables and measurements as if they were dichotomous in ultrasound.

This is common practice in ultrasound, especially among less experienced operators and in routine examinations where a non-conforming measurement can trigger a cascade of additional tests.

The article, using common and illustrative examples, aptly emphasizes the need to interpret ultrasound measurements within a clinical context and to remember the need to consider patient and equipment factors.

The recommendations included for the reports are very useful.

Next Young EFSUMB Summer School



YOUNG EFSUMB
Summer School 2027
16 - 18 September 2027

Young EFSUMB

16-18 September
SAVE the date
2027

The Young EFSUMB Summer School will take place in Timisoara, Romania on 16-18 September 2027, bringing together medical students and young residents from across Europe to advance ultrasound education and hands-on training. Organised by EFSUMB, the programme reflects EFSUMB's commitment to supporting the next generation of ultrasound practitioners and educators, particularly in countries where student ultrasound training opportunities remain limited.

Next Congress



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