

Guidelines and Good Clinical Practice Recommendations for Contrast Enhanced Ultrasound (CEUS) in the Liver – Update 2020

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This document presents the fourth iteration of international recommendations for the hepatic use of contrast enhanced ultrasound, updating the 2012 guidelines to address gaps in contrast agent characterization and incorporate recent evidence and regulatory developments.

KEY POINTS

- The guidelines update the 2012 recommendations for contrast enhanced ultrasound in liver applications, originally initiated by the European Federation of Societies for Ultrasound in Medicine and Biology in 2004.
- Previous guidelines did not precisely describe differences between contrast agents or clearly indicate differences in contrast phases and handling.
- The update incorporates more published evidence for all contrast agents, recent United States Food and Drug Administration approval, and extensive Asian experience to provide a truly international perspective.
- The recommendations aim to create standard international protocols for the use and administration of ultrasound contrast agents in liver applications to improve patient management.

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