

Ultrasound in ICU patients



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서울의대

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There has been an increasing need of using ultrasound in the intensive care unit (ICU) to assess and guide the management of critically ill patients. Ultrasound allows intensivists to diagnose unstable patients at the bedside without any concerns of radiation. Moreover, it can be repeated several times which is one of the strengths of ultrasound in ICU. Ultrasound is used for diagnostic tools as well as therapeutic purposes in the neuroICU. For therapeutic purposes, ultrasound aids in catheterizing central veins such as subclavian or internal jugular veins. Moreover, it can be used in inserting peripherally inserted central catheters. For diagnostic purposes, it can be used in assessing lung, heart, deep veins or inferior vena cava. For neurologic assessment, ultrasound can reveal in cases with an increase in intracranial pressure as a form of optic nerve sheath diameter. Here, we will briefly review several practical issues in assessing unstable patients in the neuroICU.

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