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Applications of Ultrasound in Neonatal Intensive Care Unit

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Deadline for manuscript
submissions:

closed (29 April 2024)

Message from the Guest Editors

Dear Colleagues,

In recent years, the use of ultrasound techniques in neonatal intensive care has become widespread. In particular, ultrasound now constitutes an important support for the neonatologist in the diagnosis and management of the pathological patient. This is true in several areas: in respiratory pathology with chest and diaphragmatic function ultrasonography; in the hemodynamic management of the critic neonate with echocardiography; and in neurological risk assessment with echoencephalography. Additionally, ultrasound is used in precision medicine, with the described spread of ultrasound-guided procedures (thoracentesis, pericardiocentesis, paracentesis, rachicentesis, ultrasound-guided central venous catheter placement, endotracheal tube position control, and nasogastric tube).

The trend toward developing personalized and precision medicine makes the use of ultrasound techniques into a very interesting research topic. With this in mind, we believe that a Special Issue aimed at collecting the latest news in this regard would be very interesting for neonatologists.



mdpi.com/si/188118

Special Issue



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Message from the Editor-in-Chief

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