

# Next Generation SedLine® Paediatric Application

Helping Clinicians Monitor the Depth of Sedation of Paediatric Patients



- > The SedLine brain function monitoring platform has been expanded to allow monitoring of patients 1-18 years of age
- > Patient State Index (PSI), a processed EEG parameter, provides reliable insight into the effect of anaesthetic agents even on developing brains
- > An optional Multitaper Density Spectral Array (DSA), a visual display of the power of the EEG on both sides of the brain, provides a clear representation of spectral dynamics<sup>1</sup>

## RD SedLine™ Paediatric Sensor

- > Four active EEG leads provide bilateral brain monitoring, allowing clinicians to monitor the effects of anaesthesia on both hemispheres



- > Streamlined design allows for simultaneous application with O3® regional oximetry paediatric sensors, to provide a more complete picture of the brain



- > Small size and soft foam pads allow for comfortable application on paediatric patients
- > Intuitive sensor application helps improve clinician workflows



## RD SedLine Paediatric Sensor Specifications

Age Range .....	1-18 yrs
Application Site .....	Forehead
Active Channels .....	4
Active Electrodes .....	(R1, R2, L1, L2)
Ground Electrode .....	CB
Reference Electrode .....	CT
Duration of Use .....	24 hours
Latex Content .....	Does not contain natural rubber latex
Storage Temperature .....	10-32° C

<sup>1</sup> Prerau, Michael J., Ritchie E. Brown, Matt T. Bianchi, Jeffrey M. Ellenbogen, and Patrick L. Purdon. Sleep neurophysiological dynamics through the lens of multitaper spectral analysis. *Physiology*. 32, no. 1 (2016): 60-92.

For professional use. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

**Masimo U.S.**  
Tel: 1 877 4 Masimo  
info-america@masimo.com

**Masimo International**  
Tel: +41 32 720 1111  
info-international@masimo.com

