This supplement of Acta Biomedica collects the Proceedings of the meeting on Exogenous surfactant replacement therapy, held in Parma on 7 June 2013.

The structure of the issue reflects the organization of the conference about the use of the exogenous surfactant both in infants and children with severe respiratory distress, following the suggestions of the most recent scientific literature and clinical skills.

The invasive and non-invasive ventilatory approach of critically ill patients and the tailored use of exogenous surfactant in the prevention and therapy of lung injury, were the goals of the meeting.

With the hope that this Supplement can arouse your interest and above all support you in everyday clinical practice, we wish you all good reading.

> Guest Editors Gianluca Lista