

ACUTE PULMONARY AND CIRCULATORY EFFECTS OF SURFACTANT THERAPY

Pulmonary effects

- 1 Improvement in lung function and alveolar expansion
- 2 Rapid improvement in oxygenation and decrease in the level of ventilatory support
- 3 Increase in functional residual capacity
- 4 Slower and variable increase in pulmonary compliance
- 5 Decrease in pulmonary ventilation-perfusion shunts

Effects on pulmonary circulation

- 1 Decrease in pulmonary artery pressure
- 2 Increase in pulmonary artery flow
- 3 Increase in ductal flow velocity from the systemic to the pulmonary circuit

