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A Virtual Patient Model for Mechanical Ventilation

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Highlights

- Titrating PEEP to minimum elastance is a lung protective strategy in mechanical ventilation
- Clinical studies have shown excessive PIP can be dangerous
- The ability of this model to predict PIP could reduce the risk of titrating PEEP in VCV
- Development and validation of predictive in-silico models is presented
- Future use in virtual patients could improve clinician confidence and patient safety in delivering care

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