

ALVEOLAR RECRUITMENT AND DE-RECRUITMENT PHENOMENA IN LUNG MODELS

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Abstract

This paper presents the study on a possible solution to the questions concerning the classical theory of pressure-volume (PV) hysteresis and determines the role of alveolar recruitment and de-recruitment phenomena in it.

Keywords: pressure-volume hysteresis, alveolar opening and closing phenomena, low inflating pressures, experimental data, mathematical model, simulation, test the hypotheses