**The effect of positive end-expiratory pressure on pulse pressure variation**

**Smith FJ, BSc (Pharm), MBChB, MMed (Anaes), FCA (SA), MD\***

**Geyser M, MBChB, DA (SA), MMed (Anaes), FCA (SA)\***

**Schreuder I, MBChB, DA (SA), MMed (Anaes)\***

\*Department of Anaesthesiology, School of Medicine, Faculty of Health Sciences, University of Pretoria, Pretoria, South Africa

Corresponding author

**FJ Smith**

**Department of Anaesthesiology**

**School of Medicine**

**Faculty of Health Sciences**

**Private Bag X323**

**Pretoria**

**0001**

**E-mail address:** [**fj.smith@up.ac.za**](mailto:fj.smith@up.ac.za)

**Telephone number: 012 354 1510**

**Key words: blood volume, monitoring, pulse pressure, blood pressure determination, positive-pressure respiration, positive end-expiratory pressure**