

MEDU3400 Tutorial
HUF2-13 Interpretation of blood
gases II

11 October 2023 (Wednesday)
9:00-9:45 h; Group s16A - s16C, s16E-s16H
10:00-10:45 h; Group s16I - s16k, s16M-s16P
10:30-11:45 h: Group s16D
11:30-12:15 h: Group s16L

Part A. Interpretation of Blood Gas Values

The following cases are designed as a problem solving exercise. They have been simplified when compared with the real life situations so as to facilitate our discussion on the key concepts.

Case 1

A 20-year-old student was admitted following an overdose of a sedative drug. The following blood gas data were obtained while breathing room air.

$\text{PaO}_2 = 65 \text{ mm Hg}$

$\text{PaCO}_2 = 60 \text{ mm Hg}$

- 1 Is alveolar ventilation of the patient adequate?
- 2 What is the likely cause of arterial hypoxemia?