

# Masterclass on Arterial Blood Gases (ABG) Interpretation Made Simple

Faculty of Medicine, Bioscience and Nursing

## Introduction

Arterial blood gases (ABG) are invaluable tool in assessing ventilation, acid-base balance and oxygenation in a patient.

This 7-hour basic course is intended for students studying in the medical field (medical, dental, pharmacy and nursing) who want to improve their knowledge on ABG interpretation. This course covers some basic theory in acid-base balance, oxygenation, ventilation and a systematic approach to ABG interpretation. Prior reading on this topic by the intended participant is recommended before attending the course.

## Duration

7 hours

## Benefits

- To improve the knowledge in acid-base balance, oxygenation and ventilation.
- To enhance the ability to interpret abnormal arterial blood gases values and relate them to patients' clinical conditions.

## Who Should Attend?

- MBBS students
- Undergraduate students with interest in ABG

## Maximum Pax

30 Students

## Content

The role of various processes involved in maintaining normal acid-base balance & the major components of arterial blood gases with their normal values.

The role of different types of buffers as the first line of defence & the basic mechanisms of physiological compensation.

The role of respiratory acidosis and alkalosis to maintain the normal arterial blood gases.

Indications and contraindications of performing arterial blood gas sampling.

Various arterial access sites & the equipment required for performing arterial blood gas puncture.

Interpretation of arterial blood gas results in a systematic manner.

Common causes of abnormal arterial blood gas results.

## Fee

**RM 350**

## Certification

Certificate of Completion by MAHSA University

## Venue

Centre for Clinical Skills Education and Training Level 4, Unity Building MAHSA University

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