

## OSCE Code 7457-350 Supporting Anaesthesia 02 (Bain) for Unit 312

This station covers the following RCVS Day One Skills: 1.1, 1.2, 10.1

This OSCE will be used to assess the awards indicated

Award	Award Reference	Pathway
<b>7457 – Level 3 Diploma in Veterinary Nursing</b>	<b>600/6052/6</b>	<b>Small Animal</b>
7457 – Level 3 Diploma in Veterinary Nursing	600/6052/9	Equine

### Scenario

A patient has been admitted with a suspected ruptured diaphragm. The veterinary surgeon wants to anaesthetise the patient and may require you to provide assisted ventilation during anaesthesia.

Using the equipment available, select, assemble and attach the most appropriate anaesthetic breathing system for this patient.

As this is the first induction of the day, you will also need to check that the anaesthetic machine is ready for use. Explain to the examiner the checks that you are making.

For this patient you are required to calculate:

- Tidal volume (x ml/kg)
- Minute volume
- Fresh gas flow per minute

The patient has a pre-anaesthetic respiration rate x breaths per minute

Show all your workings including units

**Methodology: You will be expected to:**

1.	Select Coaxial Bain anaesthetic breathing system
2.	Select Adjustable Pressure Limiting (APL) valve
3.	Select coaxial tubing
4.	Select reservoir bag
5.	Attach to anaesthetic machine
6.	Attach scavenging to APL valve
7.	Attach scavenging to fluosorber
8.	Place fluosorber below level of the patient
9.	Check for leaks in the breathing system
10.	Fully open APL valve and leave open
11.	Correct breathing system assembled correctly
12.	Breathing system attached correctly to machine and scavenging
13.	Open the oxygen cylinder valve (slowly anticlockwise)
14.	Check the registered quantity of oxygen on the pressure dial
15.	Turn on the oxygen flowmeter control to check smooth function
16.	Turn off oxygen flowmeter control
17.	Press emergency oxygen flush button
18.	Attach 'in-use' label to oxygen cylinder
19.	Check the vaporiser percentage dial to ensure it turns easily
20.	Check the level of the volatile anaesthetic agent in the vaporiser and take appropriate action
21.	Leave anaesthetic machine ready for use (i.e. oxygen should be switched on and anaesthetic breathing system attached)
22.	Tidal volume calculation correct
23.	Minute volume calculation correct
24.	Fresh gas flow calculation correct including
25.	Correct units of measurement used for final answer