

Candidate No: _____



The Hong Kong College of Anaesthesiologists

Final Fellowship Examinations

Paper II – Radiology (1-4)

17 August 2022 (Wednesday)

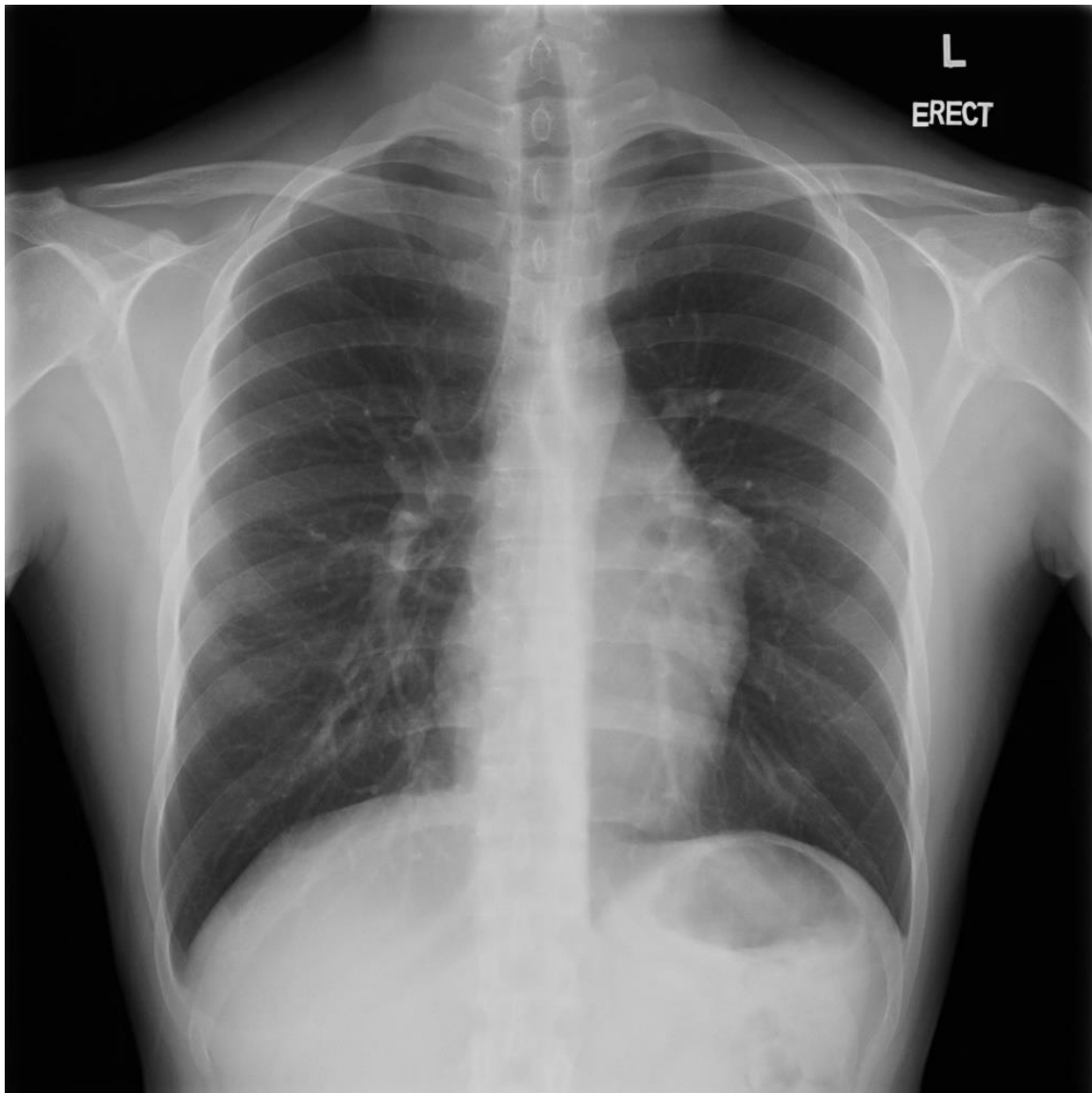
12:50 – 13:00 hours

Instructions:

- a. This is a question-answer book. Please write your answers in the space provided.
- b. Write your candidate number on the first page of the answer book.
- c. Use ink or ball-point pen.
- d. There are 4 questions in this paper, each with multiple parts.
- e. Answer **ALL** questions. They are worth equal marks.
- f. For questions with multiple parts, allocation of marks is indicated in the brackets.

Question 1 (4 marks)

In the pre-anaesthetic clinic, you review the pre-op CXR of a 25-year-old man who will have his anterior cruciate ligament (ACL) repair surgery.



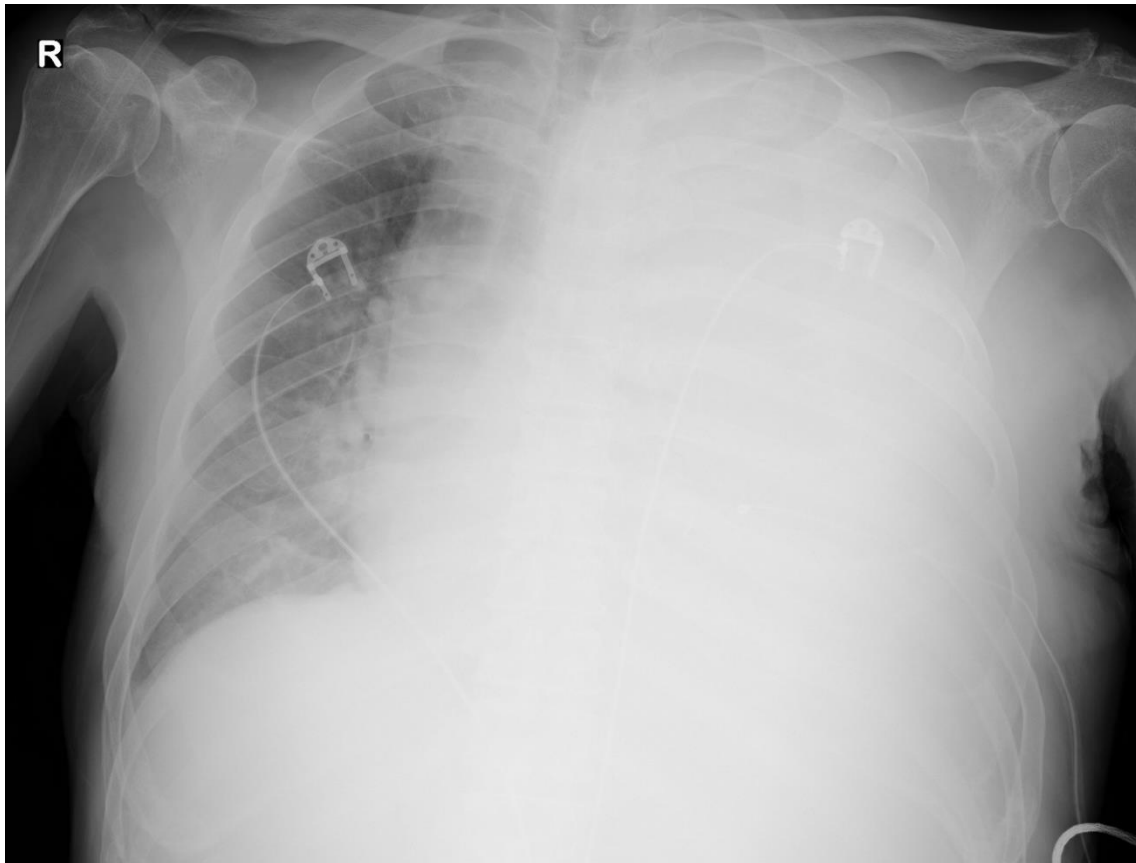
What is the abnormality on this CXR? **(1 mark)**

List 2 differential diagnosis. **(2 marks)**

What other investigation would you order? **(1 mark)**

Question 2 (8 marks)

A 70-year-old man is admitted for right fracture hip after a fall. He had symptoms of chronic cough and decreased exercise tolerance in the past two weeks. In the pre-anaesthetic assessment before his surgery, you review the following CXR,

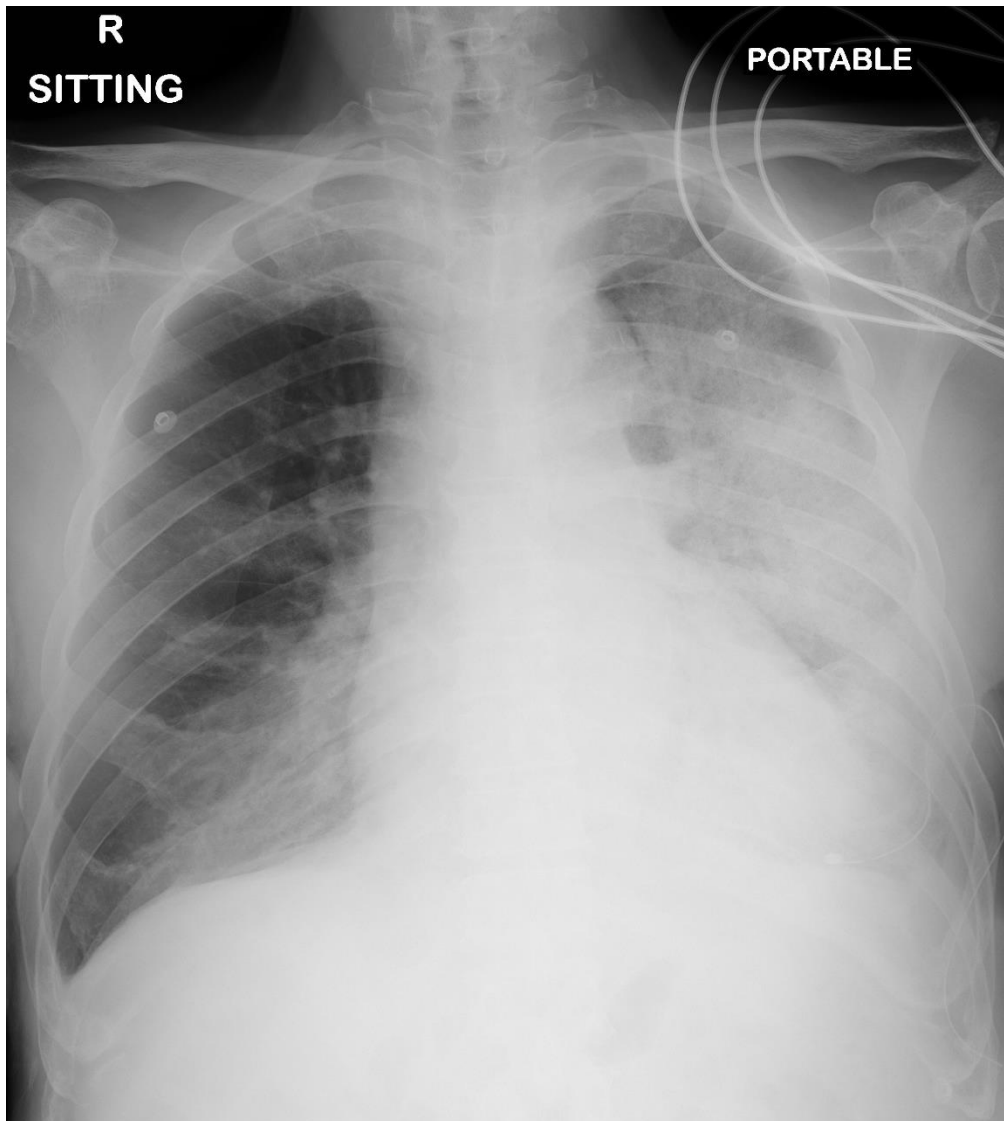


Describe 2 abnormalities. **(2 marks)**

What is the diagnosis? **(1 mark)**

Give 3 possible pathologies for this unilateral condition. **(3 marks)**

He developed desaturation after a therapeutic intervention for the above pathology, the following CXR is taken after the desaturation,



What intervention was performed? **(1 mark)**

What is the underlying cause for his desaturation? **(1 mark)**

Question 3 (6 marks)

You are assessing a 68-year-old man, who attends the emergency department with 2 days history of severe sore throat, fever and increasing noisy breathing. The following is his lateral neck X-ray,



List the abnormalities **(2 marks)**

What is the likely diagnosis? **(1 mark)**

What urgent anaesthetic intervention would you perform? **(1 mark)**

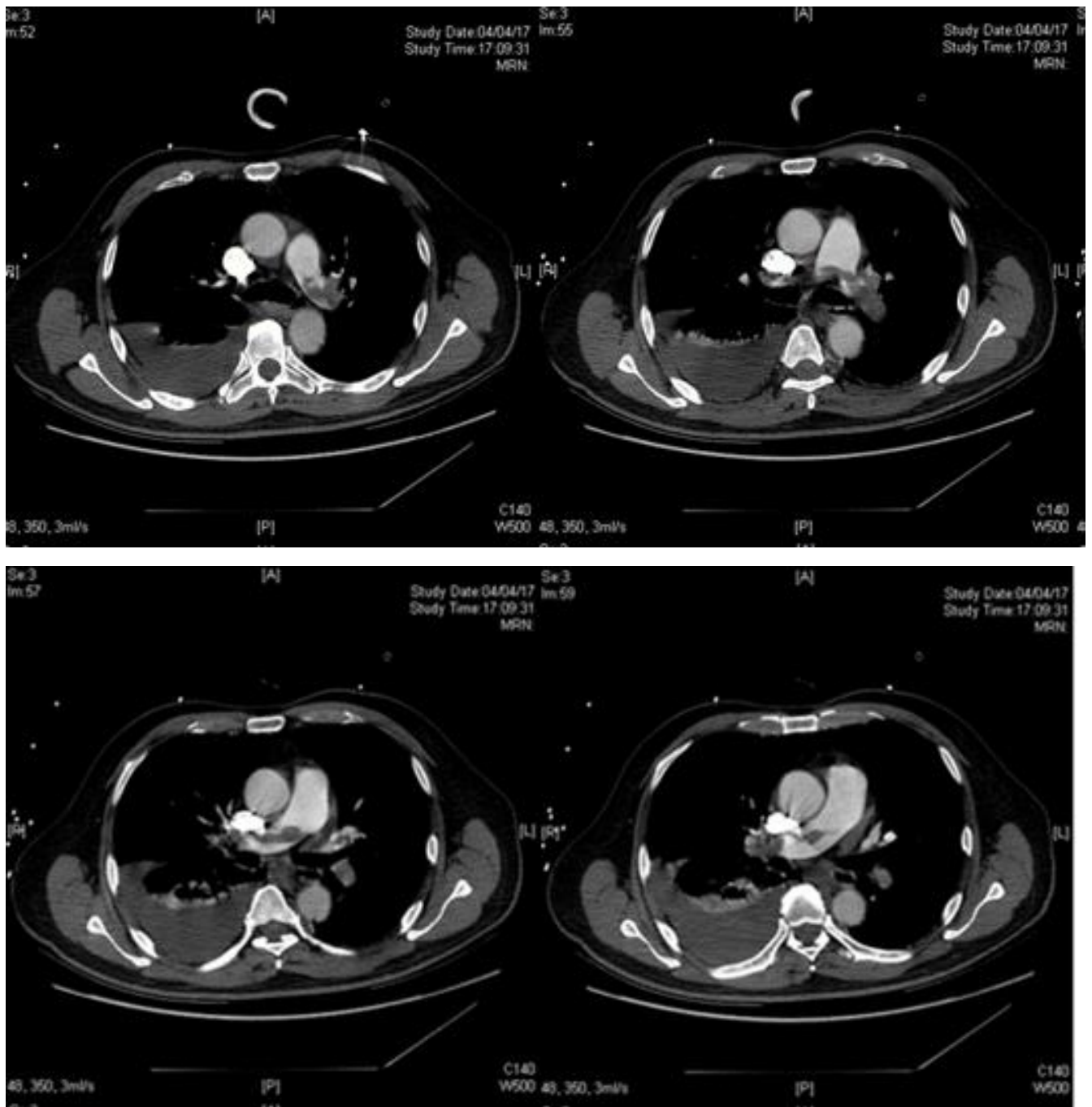
Give 2 precautionary measures you would undertake for this intervention. **(2 marks)**

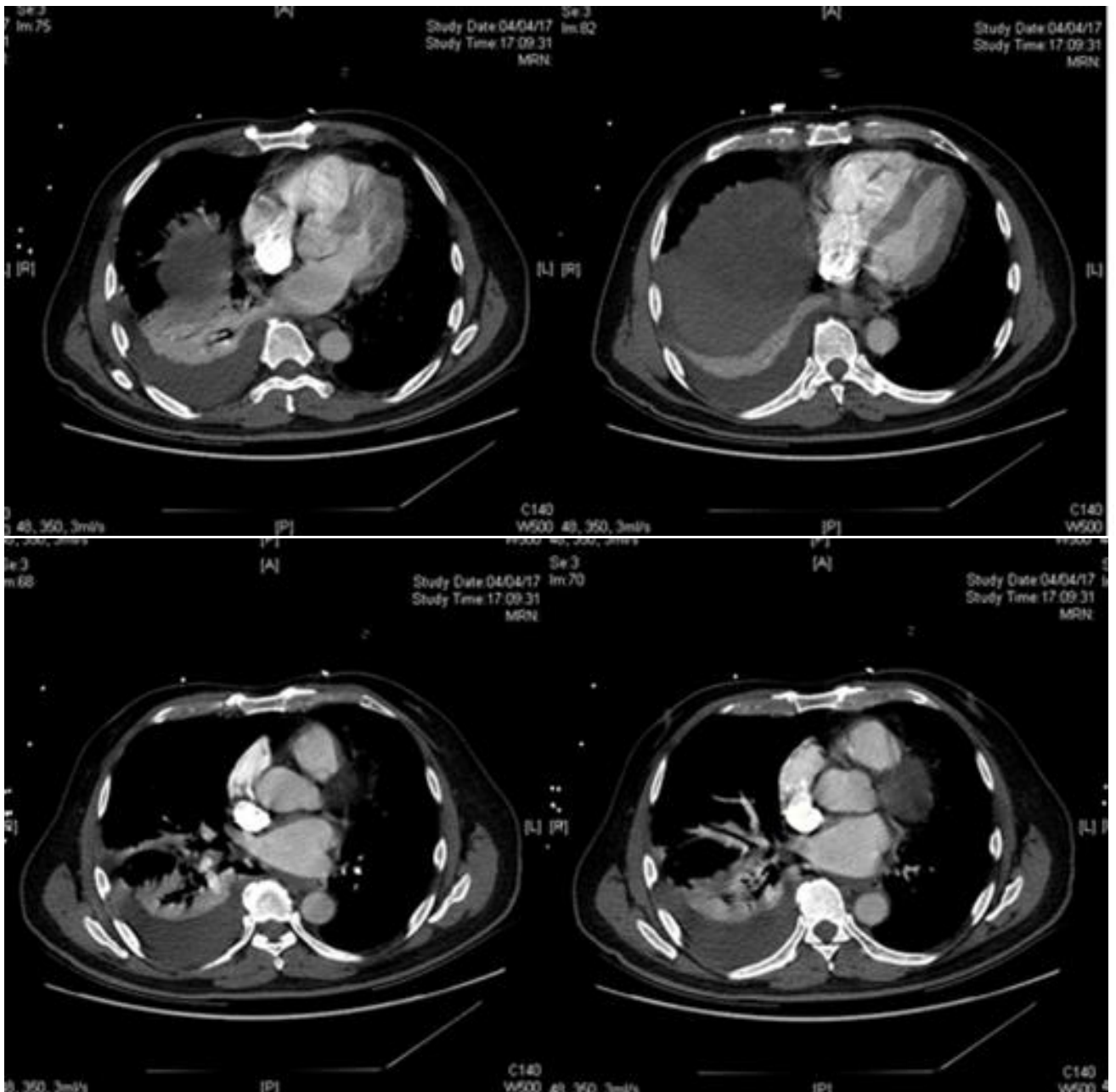
Question 4 (6 marks)

A 60-year-old man presented to the Accident & Emergency Department with sudden onset of chest pain, shortness of breath, BP reading was 90/65, HR 120/min, SpO2 92% room air.

The following is his CT angiogram of thorax.

- i) List 2 abnormalities? **(2 marks)**





ii) What is the diagnosis? (1 mark)

iii) Name 3 other investigations you may perform. (3 marks)

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