

Case 17

You are a Foundation Year 2 doctor working on Emergency Department at General Hospital.

Your bleep number is 0865.

The consultant is Dr Doukrou.

Patient details

Patient name: Thomas Gump

Date of birth: 7th June 2011

Patient number: X653192847

History

Thomas Gump attends emergency department with acute shortness of breath and left-sided chest pain which occurred following a 5km charity run one hour ago. He has no cough and has suffered no trauma. He has no significant medical history and describes being generally fit and well, running for his school's athletics team.

He has no known drug allergies.

Examination

On examination, Thomas, a tall slim young man, is using his accessory muscles to breathe. There is decreased air entry on the left side of his chest and lung sounds are diminished. Heart sounds I - II + 0. Capillary refill time is 3 seconds.

Observations

Oxygen saturations: 92% (room air)

Respiratory rate: 24bpm

Heart rate: 110bpm

Blood pressure: 110/70mmHg

Temperature: 36.5°C

The patient is given 15L high-flow oxygen through a non-rebreather mask. An arterial blood gas is taken.

An PA chest x-ray is recorded, which is shown below:

Patient: Thomas Gump

DOB: 07/06/2011 Hospital #: X653192847

Time: 09:50

Date: 29/03/2023

Position: PA



Image courtesy of Case courtesy of Ian Bickle, Radiopaedia.org, rID: 74856

Task

Please report the chest radiograph on hospital notepaper using an appropriate structure. Suggest the most likely diagnosis and suggest the next step(s) in management.

