

Being an A&E Doctor during COVID-19

30 minutes discussion
10 Minutes Q&A from students

Host: Mark Williams

Founder of The Education Projects Group

Panelist: Dr April Diviney

A&E Locum Doctor



This is my Experience...

Not every person's experience is the same

Each A&E might work differently

The guidance is ever-changing due to new research!!!

What actually is it?

Covid-19 is a type of coronavirus

Zoonotic like others:

- Anthrax (Bacillus anthracis)
- COVID-19 (SARS-CoV-2)
- Ebola
- H1N1 influenza
- Rabies (rabies virus)

Highly contagious

Spread by droplet and human contact

Most are asymptomatic

What symptoms might they have?

Broad = headache, cough, fever, myalgia, sore throat, congestion and SOB

- Fever (85-90%)
- cough (65-70%)
- fatigue (35-40%)
- sputum production (30-35%)
- shortness of breath (15-20%)

SARS-CoV-2 = NOT THE FIRST!!

Can lead to Severe Acute Respiratory Syndrome (SARS)

What happens when a patient comes to A&E?

If arriving by ambulance, paramedic sees them first

Respiratory and Non-Respiratory Assessment Zones

Preparation for us is key!!!

Buddy-Up System :)

Not everyone is swabbed for testing...

Blood tests, Chest X-ray, Blood cultures and now Procalcitonin

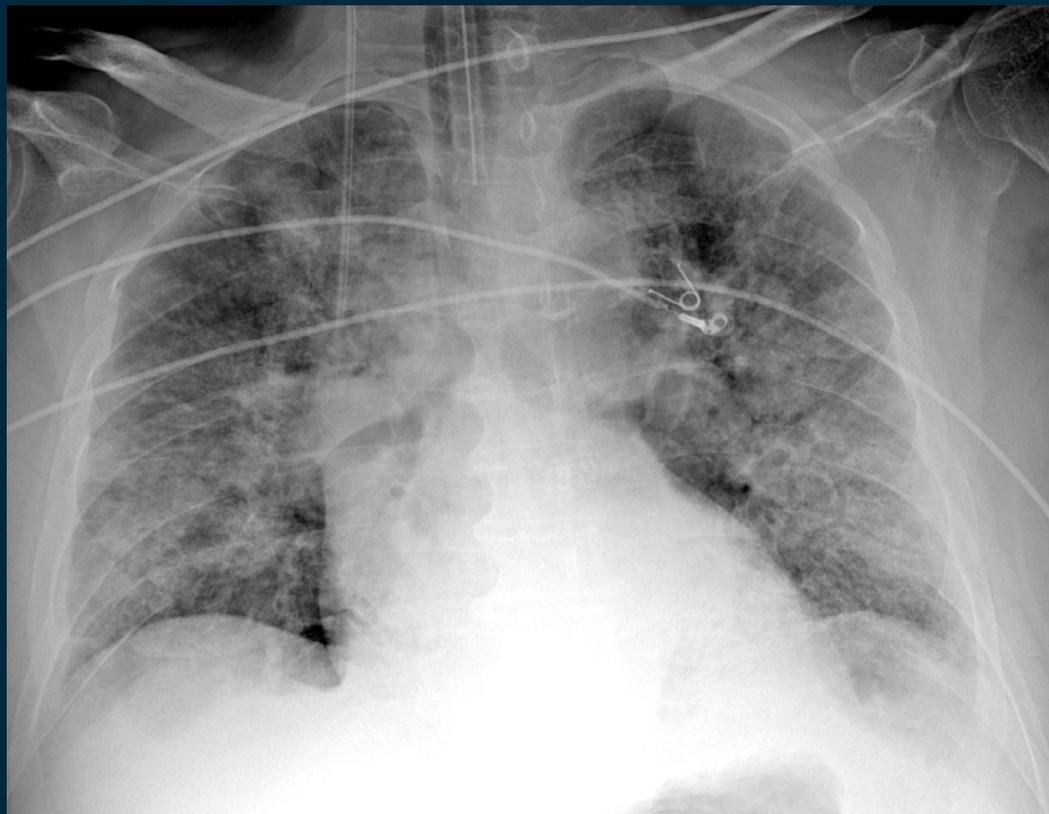
Chest X-rays



Chest X-rays



Chest X-rays

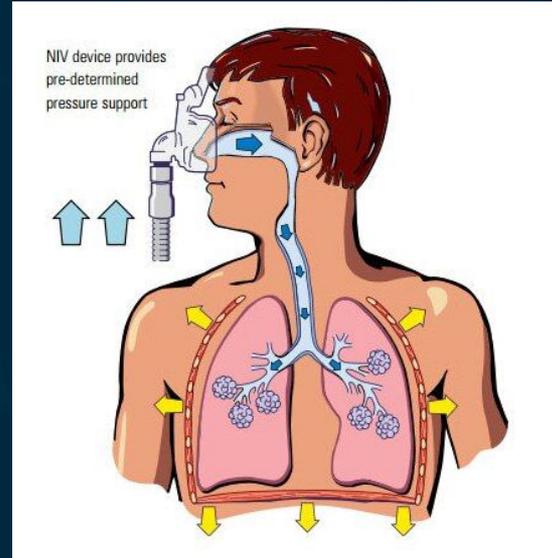


So how do you treat someone?

No specific cure

Usually supportive in nature

- Oxygen therapy
- Non-invasive Ventilation
- Mechanical Ventilation





Public Health
England



COVID-19 Safe ways of working

A visual guide to safe PPE

General contact with confirmed or suspected COVID-19 cases

- Eye protection to be worn on risk assessment
- Fluid resistant surgical mask
- Disposable apron
- Gloves

Aerosol Generating Procedures

- Eye protection eye shield, goggles or visor
- FFP3 or FFP2 respirator
- Long sleeved fluid repellent gown
- Gloves

Wash your hands before and after patient contact and after removing some or all of your PPE

Clean all the equipment that you are using according to local policies

Use the appropriate PPE for the situation you are working in (General / AGPs or High risk areas)

Take off your PPE safely

Take breaks and hydrate yourself regularly

For more information on infection prevention and control of COVID-19 please visit:
www.gov.uk/government/publications/wuhan-novel-coronavirus-infection-prevention-and-control

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Students' Pre-questions:

1. What is the procedure if someone comes into A&E with suspected coronavirus? (Lonra W.)
2. Do doctors receive any training/preparation for the possibility of a pandemic/epidemic occurring? (Ebo A.)
3. My question is what is the latest thinking as to why some patients go into the second (sometimes fatal) stage of Covid19 whereas others don't? (Anna M.)
4. What's the worst case scenario you've come across during this pandemic? (Rafia H.)
5. Do you have any advice for future Doctors and Nurses for if something like this ever happens again? (Amy H-F.)
6. What three major things could the government do to help healthcare professionals prevent the spread of Coronavirus more effectively? (Amy D.)