



eHealth

CIAP Newsletter

Oxygen-Saturation targets for critically ill adults Receiving mechanical ventilation

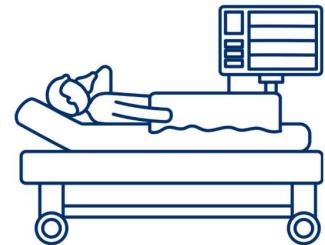
Invasive mechanical ventilation in critically ill adults involves adjusting the fraction of inspired oxygen to maintain arterial oxygen saturation.

The oxygen-saturation target that will optimise clinical outcomes in this patient population still remains unknown.

Among critically ill adults receiving invasive mechanical ventilation, find out if the number of ventilator-free days differs among groups in which a lower, intermediate, or higher Spo2 target was used.

Learn more about the latest findings here in [The Lancet](#).

Access provided by CIAP.



What is the diagnosis?

An MRI of a normal subject on the left and a patient with this condition is on the right.

The upper airway is smaller in both the retropalatal and retroglottal region in the apneic patient.

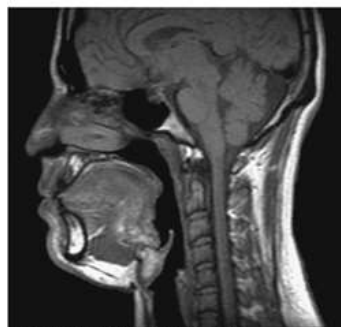
The soft palate is also longer in the apneic patient.

The tongue is bigger in the retroglottal region in the patient on the right.

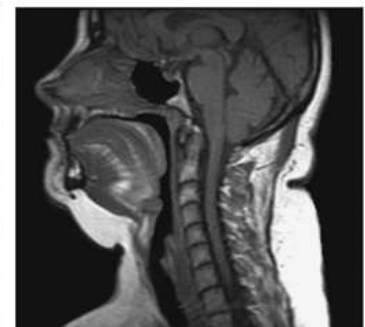
What's the diagnosis?

[Find out the answer here](#) in Access Medicine.

Normal



Apneic



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Former rugby players 15 times more likely to develop motor neuron disease

The risk of neurodegenerative disease among former Scottish international rugby union players is more than double that of the general population, a study has found.

The researchers from the University of Glasgow matched 412 Scottish former international male rugby players with 1236 members of the public and looked at their health outcomes over an average of 32 years from the age of 30 onwards.

They found that the risk of developing a neurodegenerative disease varied by specific condition, from just over twice as high for dementia to up to 15 times as high for motor neuron disease.

Learn more about the findings here in the [British Medical Journal](#).

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Robotic surgery: getting the evidence right

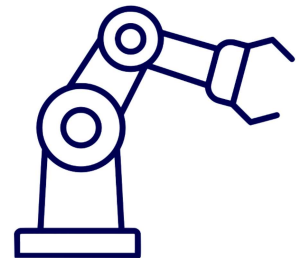
Surgery performed using a robotic platform has led to a step change in how some procedures, largely urological, are delivered.

Robotic systems are perceived to be advantageous over laparoscopic and open surgery.

This includes providing stereoscopic 3D vision with magnification of the surgical field and precise controlled instrument movement to allow dissection in confined spaces and complex manoeuvres such as suturing.

Learn more about robotic surgery and the evidence behind it in the [Medical Journal of Australia](#).

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Vitamin D supplements don't reduce COVID-19 risk

A trial found that adults who took oral vitamin D supplements during the SARS-CoV-2 pandemic when vaccine coverage was low were not protected against COVID-19 or any other acute respiratory tract infections.

Learn more about the trial and the detailed findings [here in JAMA](#).

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Development and validation of novel sepsis subphenotypes using trajectories of vital signs

Sepsis is a heterogeneous syndrome and identification of sub-phenotypes is essential.

This study used trajectories of vital signs to develop and validate sub-phenotypes and investigated the interaction of sub-phenotypes with treatment using randomized controlled trial data.



Learn more about the trial and the results here in [Intensive Care Medicine](#).

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Upcoming CIAP Events

Live Online Training

CIAP Overview
15, 16, 17 November
14:30 - 15:30

[Register Here](#)

Workshops

Emergency & Critical Care Workshop
9 November

Paediatrics Workshop
22 November

Allied Health Workshop
1 December

[Register Here](#)

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