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every breath counts

## Digital training programmes – the best of new resources

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# Why do we need digital training?

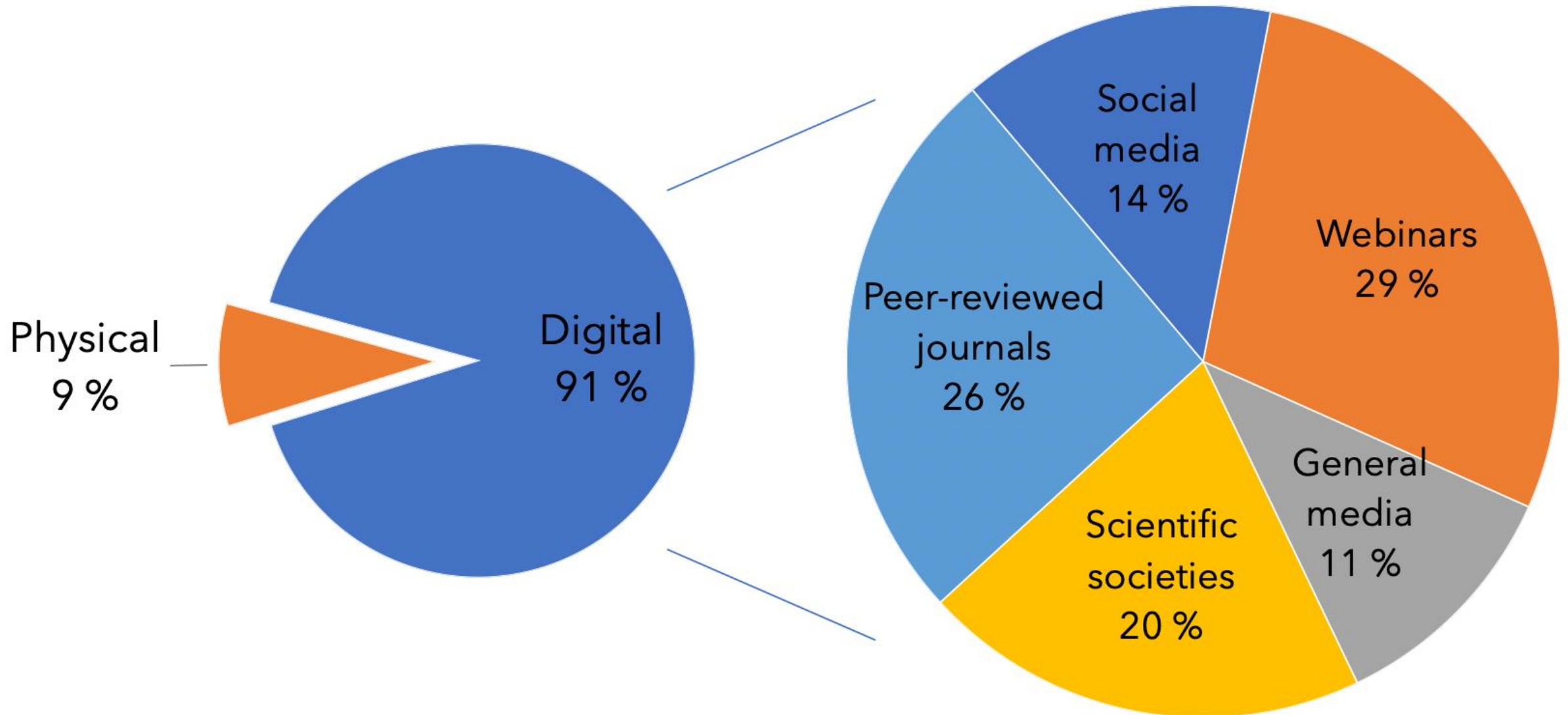


# Why do we need digital training?

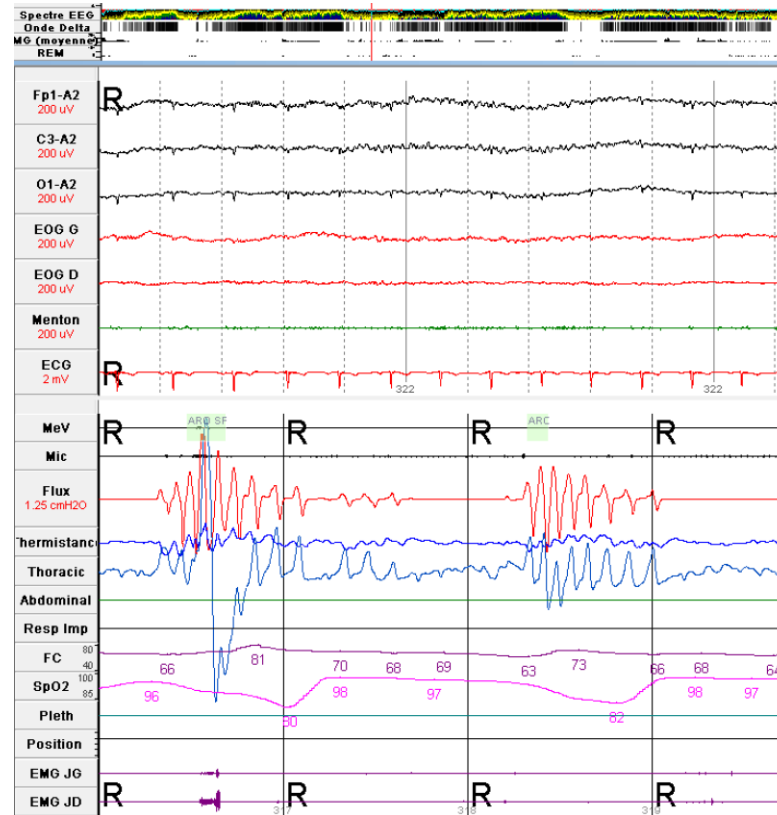


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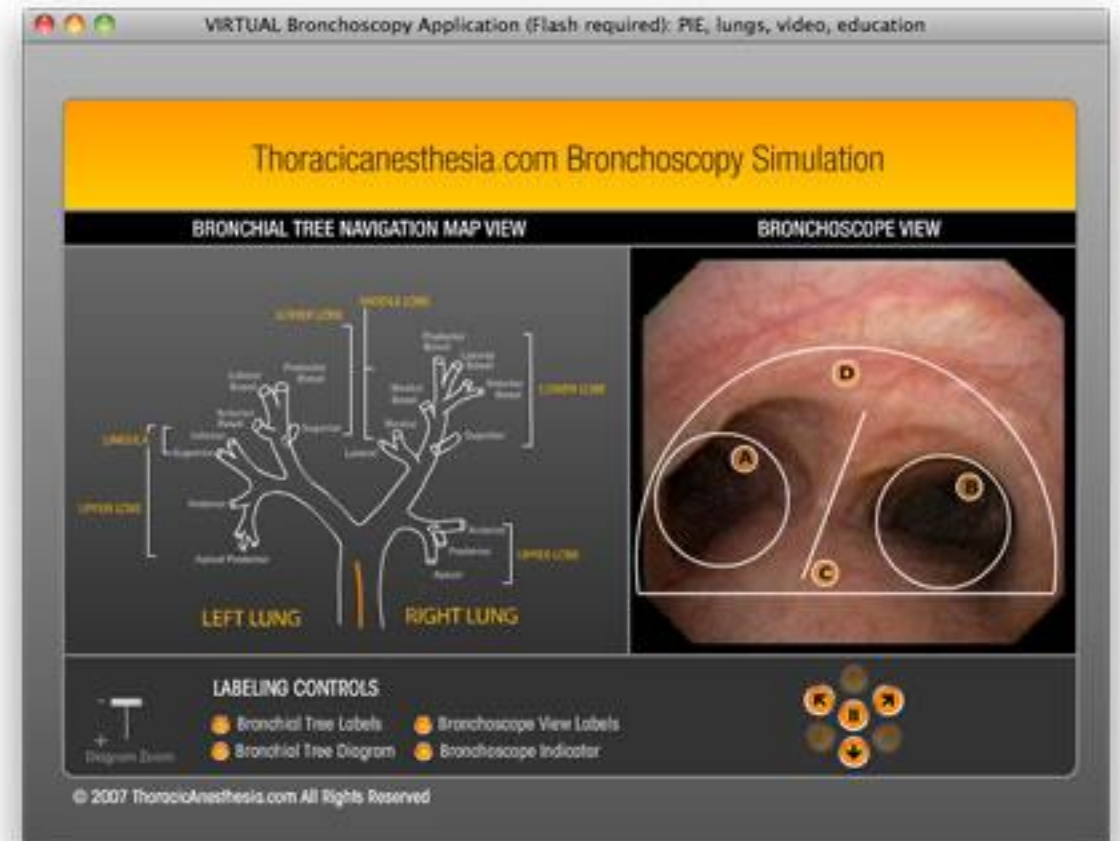
# Digital training for technical skills?



# Virtual bronchoscopy

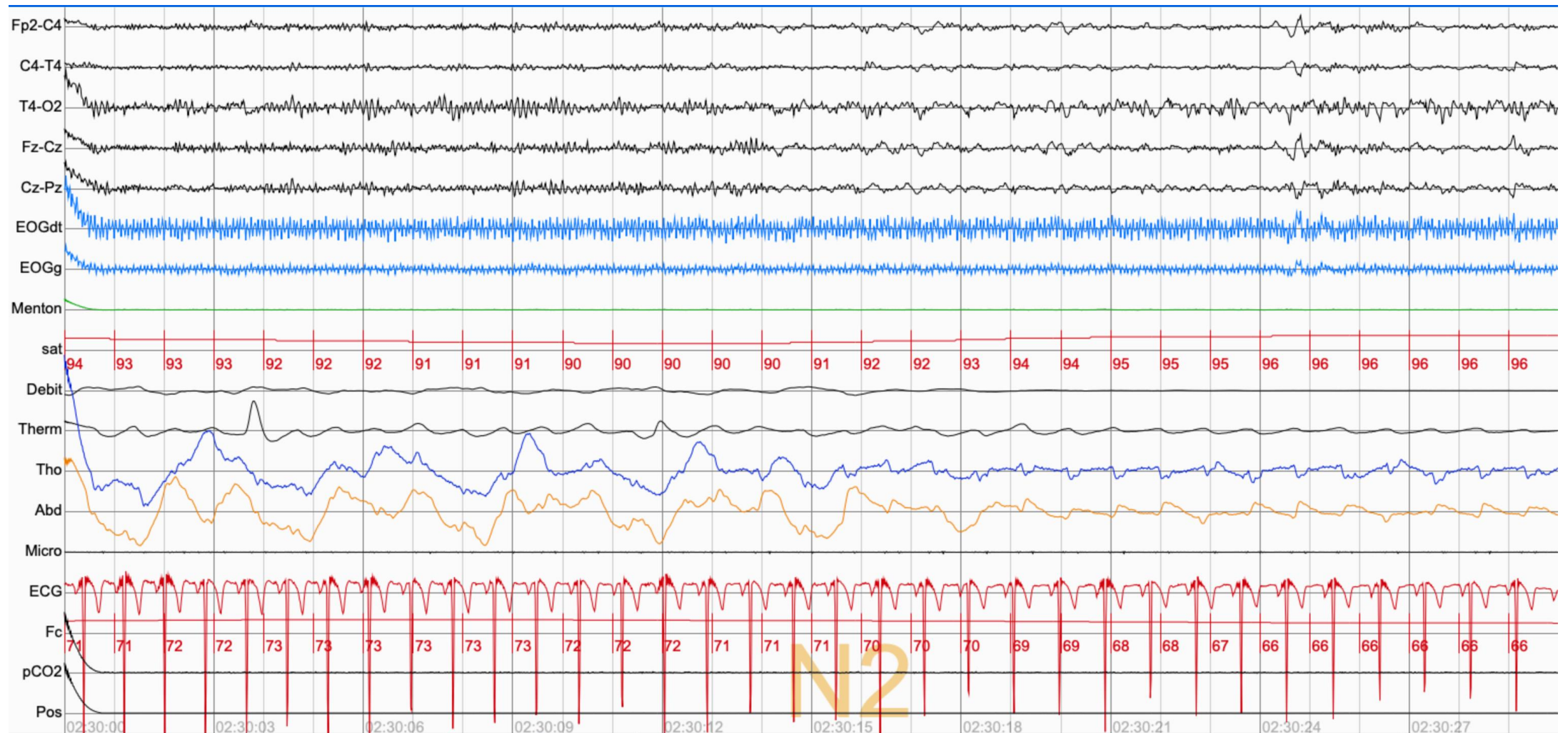


Ost D & al. AJRCCM 2001



[http://pie.med.utoronto.ca/VB/VB\\_content/simulation.html](http://pie.med.utoronto.ca/VB/VB_content/simulation.html)

# Digital training for polysomnography






# Digital training for non-invasive ventilation


**NIV Competency - Severe stable COPD**  
Menu Simulator Help | References


**Starting NIV - main settings** < PREV NEXT > ?


▶ To review the initial ABG, click on the tab below


▶ Using these buttons,   adjust IPAP to 14.0 cm H<sub>2</sub>O


▶ Adjust Back-up rate to 12 bpm 

▶ Start the ventilator 


▶ Observe the patient and the monitoring screens and click NEXT> when done 

IPAP = 11 cm H<sub>2</sub>O 



Backup Rate = 10 bpm 

Ventilator off 

Bedside ABG



**75** HR bpm **89** SpO<sub>2</sub> %

**100%**  Prog1 ST 

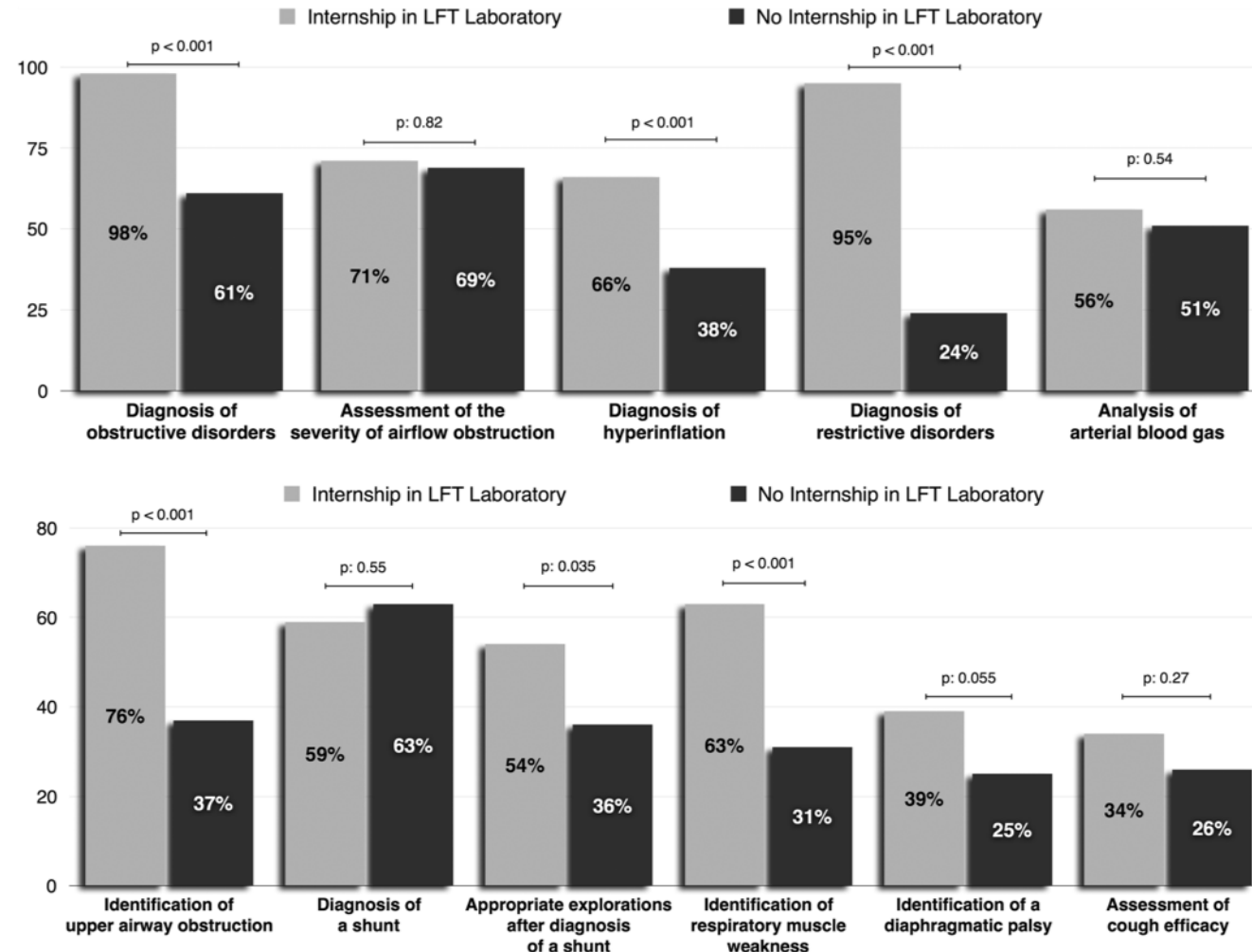
**Clinical Settings** 1/3

Pathology	Mode	IPAP
Normal	ST	11.0 cmH <sub>2</sub> O
EPAP	Backup Rate	Advanced Settings
5.0 cmH <sub>2</sub> O	10 bpm	

Lk 0 | RR 0 | TI 0.0 | Vt 0 | MV 0.0

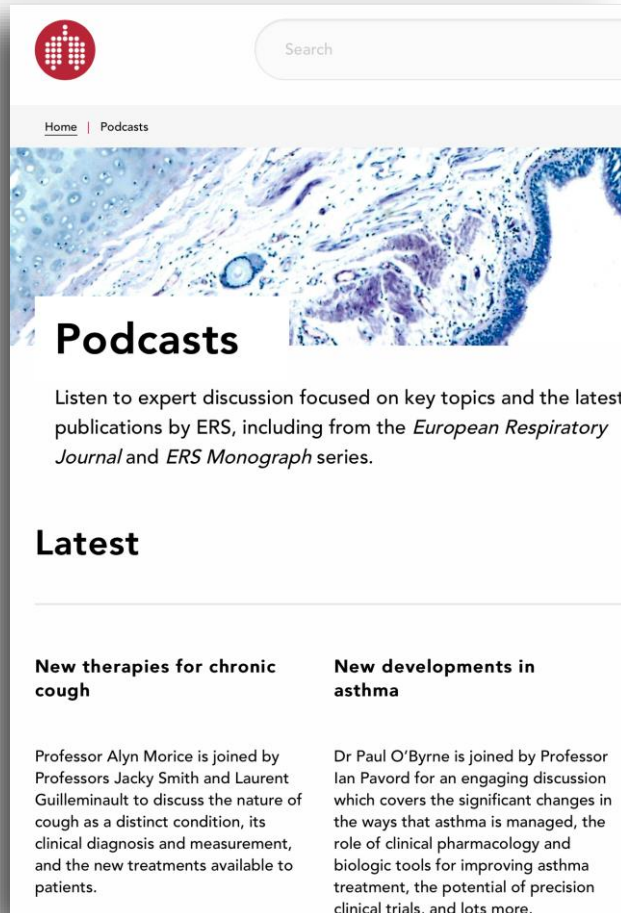


# But is training really required?



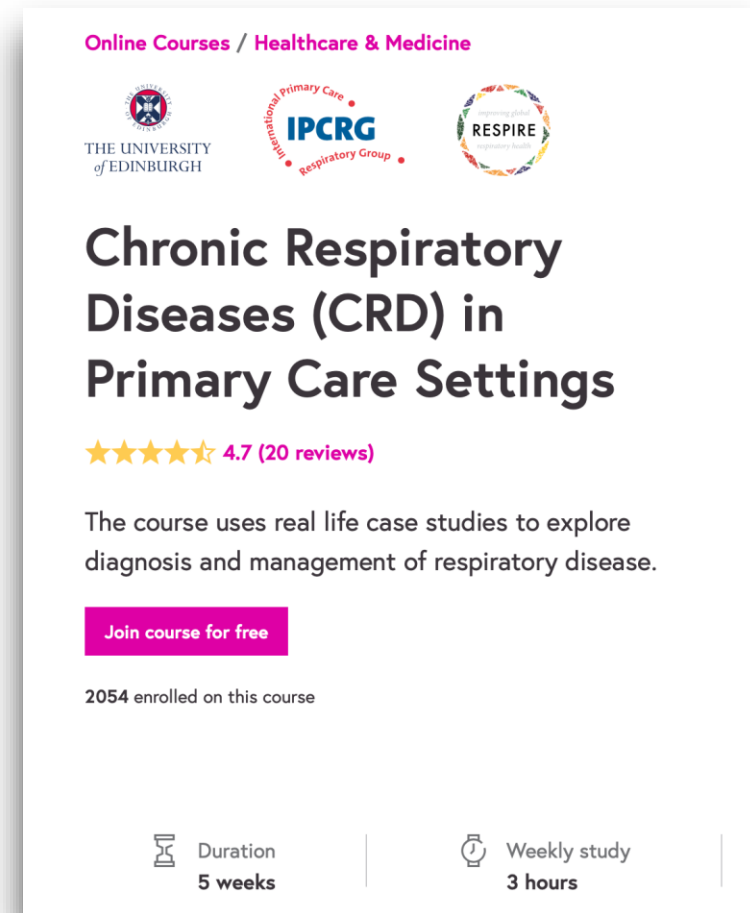
Patout & al. Thorax 2018

# "Formal" digital training



The screenshot shows the ERS website's Podcasts section. At the top, there is a search bar and navigation links for Home and Podcasts. Below this is a large image of a histological slide. The main heading is "Podcasts", followed by a description: "Listen to expert discussion focused on key topics and the latest publications by ERS, including from the *European Respiratory Journal* and *ERS Monograph* series." Underneath is a "Latest" section with two featured articles: "New therapies for chronic cough" and "New developments in asthma". Each article includes a brief summary of the content and the names of the speakers.

Podcasts



The screenshot shows the ERS website's MOOC page for "Chronic Respiratory Diseases (CRD) in Primary Care Settings". At the top, it is categorized under "Online Courses / Healthcare & Medicine" and features logos for The University of Edinburgh, IPCRG (International Primary Care Respiratory Group), and RESPIRE. The course title is prominently displayed, followed by a 4.7 star rating based on 20 reviews. A description states: "The course uses real life case studies to explore diagnosis and management of respiratory disease." A pink button indicates "Join course for free". Below this, it shows "2054 enrolled on this course". At the bottom, two icons specify the course details: "Duration 5 weeks" and "Weekly study 3 hours".

MOOC

# "Formal" digital training



## Webinar series



### Understanding new vaccines for SARS-CoV-2 and their regulation

A. Simonds (London, United Kingdom), T. Welte (Hannover, Germany), M. Cavaleri (Amsterdam, Netherlands), R. Boyton (London, United Kingdom)

*Monday, 1 February 2021*

Open



### COVID-19: Current Challenges in ILD

C. Robalo Cordeiro (Coimbra, Portugal), M. Molina Molina (Barcelona, Spain), M. Wijsenbeek (Rotterdam, Netherlands)

*Tuesday, 21 December 2020*

Open



### COVID-19 and the pulmonary circulation

A. Simonds (United Kingdom), M. Humbert (France), E. Klok (Netherlands), M. Ackermann (Germany), M. Delcroix (Belgium)

*Monday, 7 December 2020*

Open

Webinar

# RESFLIX

# Choosing the best resource

Reliability

Reactivity

Ease of access

Scope

Social media



Official content



# Choosing the best resource



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channel

ERS RESPIRATORY CHANNEL

## Welcome to ERS's new digital channel!

Access all our online content, including live events and courses, webinars, panel discussions, podcasts and much more.

SUPPORTING THE RESPIRATORY COMMUNITY

