



On a Scale of -10 to +10,
where 0 = neutral,

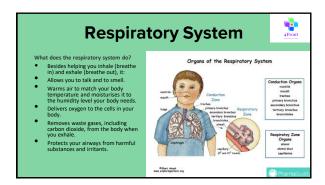
How **proactive** are you in promoting respiratory health in your professional practice?

Outline normal functioning of the respiratory system as well as common dysfunctions and pathophysiological processes that can affect respiratory health.

'Health is a state of complete physical, mental and social well-being, and not merely the absence of disease or infirmity'.



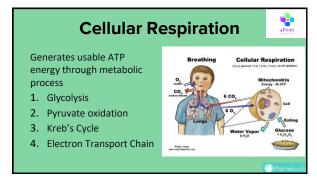
Respiration Physiological Respiration Cellular Respiration

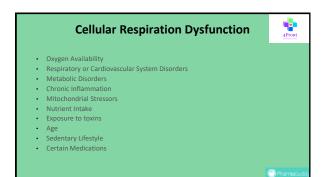


Respiratory System Dysfunction



- . Asthma
- · COPD
- . Infection
- . Allergies
- Aging
- · Inelastic respiratory muscles

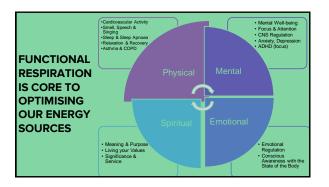




2. <u>Identify</u> how respiratory health directly affects overall health, wellbeing and performance.

Psycho-Social Factors Affecting Respiratory Function

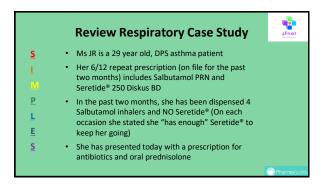
- ▶ Posture (while sitting, driving, working)
- Stress
- ▶ Anxiety, Worry or Depression
- ► Fear of Breathlessness
- ▶ Panic Attacks

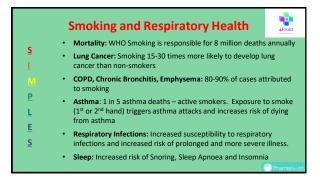


3. <u>Structure</u> respiratory health interventions using SIMPLES framework, incorporating inhaler technique

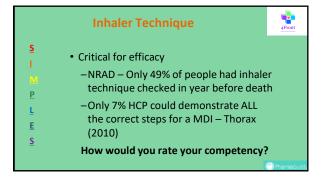




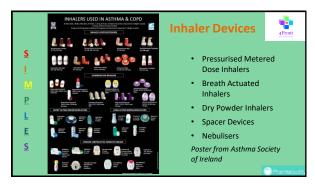


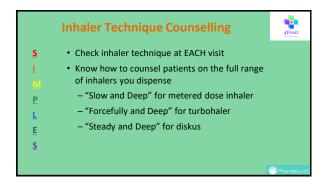






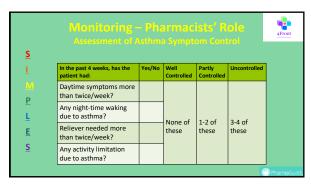


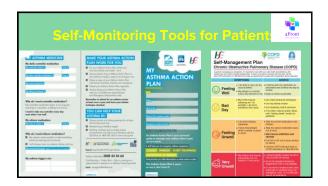




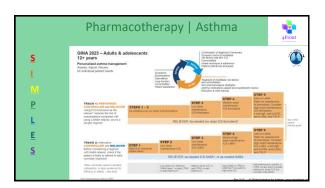


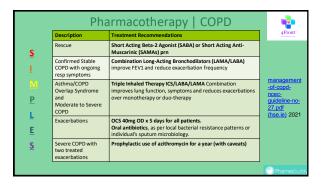


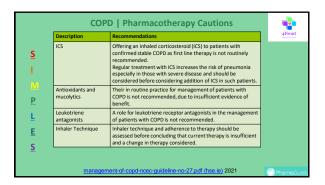




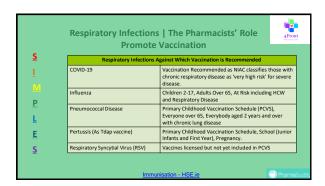










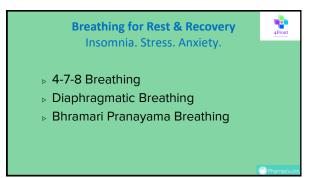


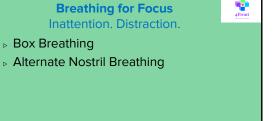


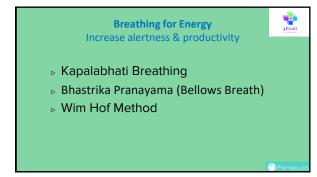
Breathing Techniques and Exercises

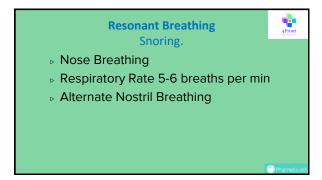
Benefits

improve respiratory function
reduce stress & anxiety
induce relaxation & emotional regulation
increase cellular energy & mitochondrial function
enhance focus & reduce distraction
improve sleep quality and quantity
improve recovery - reduce resting heart rate and increase Heart Rate Variability (HRV)













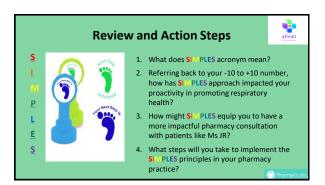


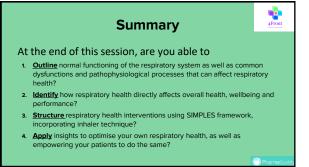


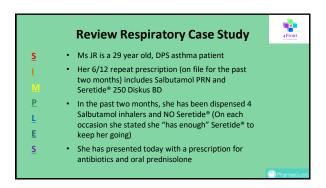




4. **Apply** insights to optimise your own respiratory health, as well as empowering your patients to do the same.

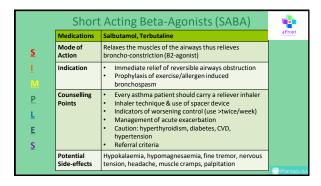


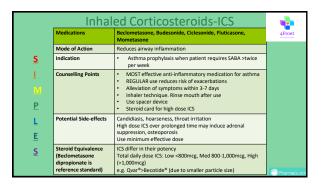






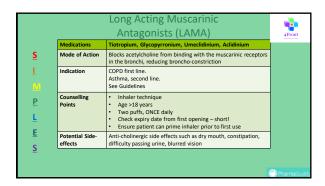


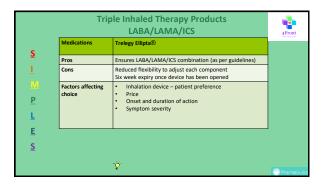


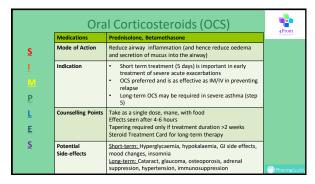


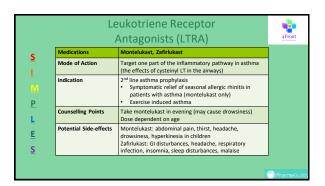
	4Front		
	Medications	Formoterol, Salmeterol, Vilanterol, Indacaterol	4Front
<u>s</u>	Mode of Action	Relaxes the muscles in the airways thus relieves broncho-constriction (B2-agonist)	
<u>I</u> <u>M</u>	Indication	First line add-on therapy to ICS in step 3 & 4 Formoterol ONLY – licensed for short term symptom relief	
<u>P</u> <u>L</u> <u>E</u> <u>S</u>	Counselling Points	Inhaler technique Dose, frequency & max. number of inhalations in 24 hours should be stated explicitly to patient Use with ICS - use of LABA without ICS in asthma is associated with ↑ risk of adverse outcomes	
	Potential Side-effects	Asthma patients using salmeterol or vilanterol MUST carry a SABA inhaler for acute asthma Tachycardia, headache, cramps	PharmaGuddy

LABA/I	CS Combination Products	4Fron
Medications	Symbicort®, Flutiform®, Seretide®, Relvar Ellipta®, Bufomix®, Airflusal®, Duo-Resp® Forspiro® Aerivio®	41100
Pros	Ensures LABA admin with ICS (as per guidelines)	
Cons	Reduced flexibility to adjust each component	
Factors affecting choice	Inhalation device – patient preference Price Onset and duration of action Licensed for prophylaxis +/- symptom relief Age of patient Symptom severity	
Symbicort® SMART Protocol	Licensed for prophylaxis AND symptom relief If patient requires RELIEVER > 1/day, refer	
Seretide®	Evohaler and Diskus NOT interchangeable – dose ratio	
Relvar Ellipta®	Combination product licensed for one inhalation, once daily indicated aged 12 years and over Discard six weeks after opening	Pharma









Methylxanthines			
Medications	Theophylline, Aminophylline		
S Mode of Action	Bronchodilator		
Indication	2 nd line option, narrow therapeutic index		
Counselling Points P	Plasma (theophylline) measured 5 days after initiation and 3 days after any dose adjustment Drug interactions Changes in smoking & alcohol Do NOT substitute different brands SR theophylline		
E Potential Side-effects	Gl upset (nausea, vomiting, diarrhoea) Hypokalaemia (palpitations, tachycardia, arrhythmias) CNS stimulation (headache, insomnia, convulsions)		