

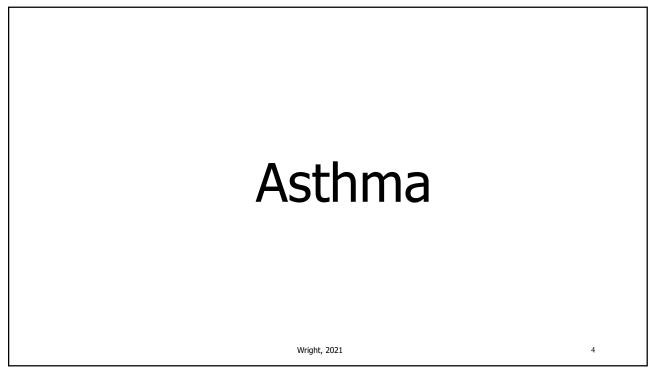


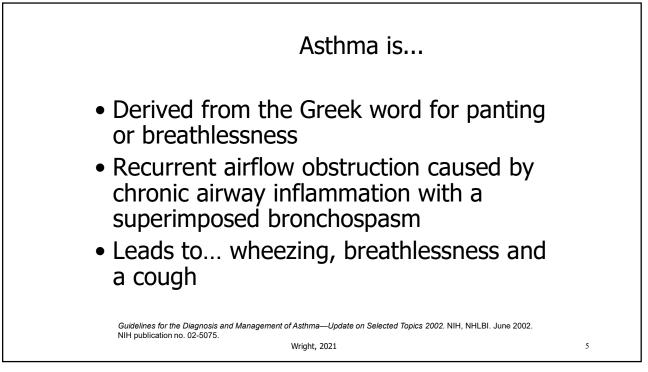
Objectives

Upon completion, the participant will be able to:

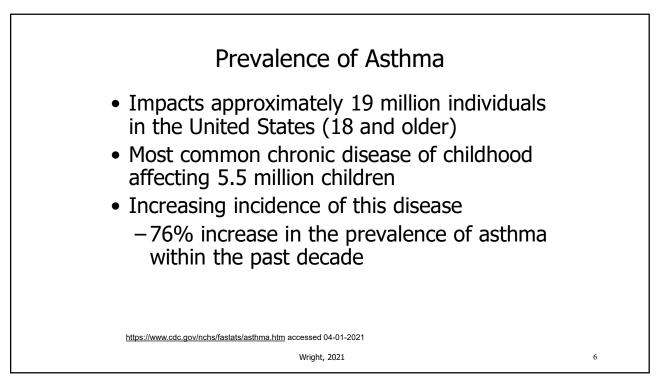
- 1. Identify statistics regarding asthma and COPD
- 2. Discuss the signs and symptoms of asthma and COPD
- 3. Discuss treatment options for asthma and COPD

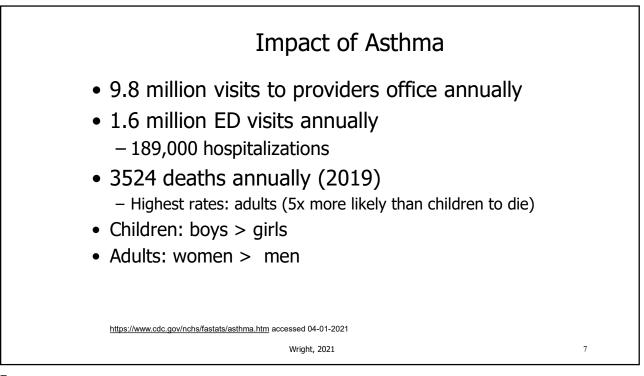
Wright, 2021

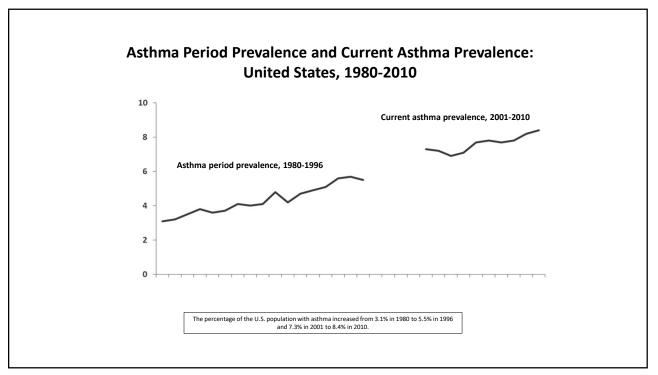


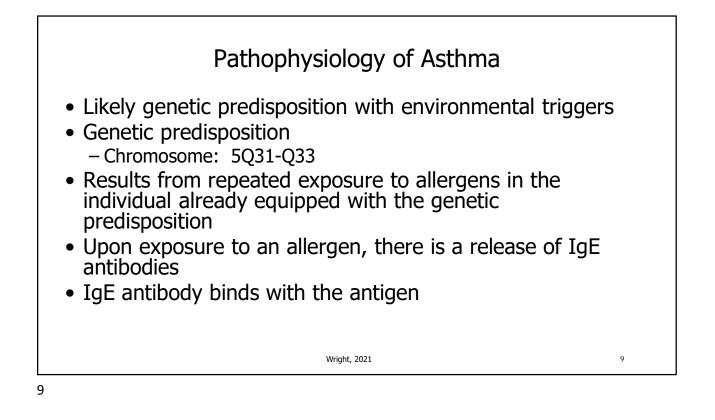


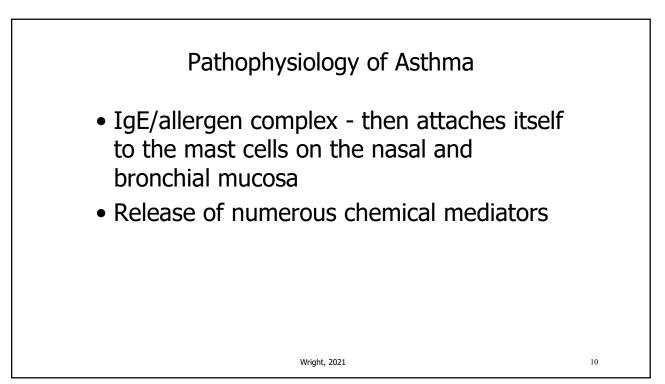


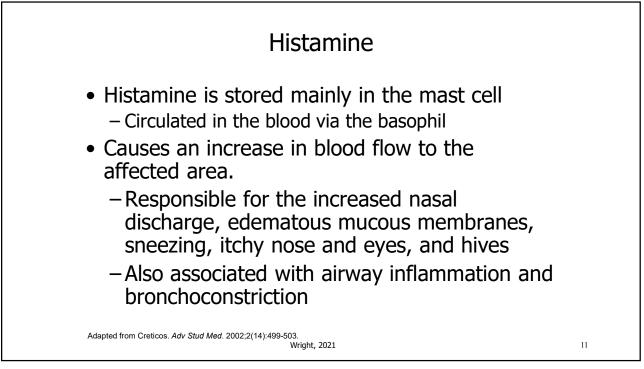


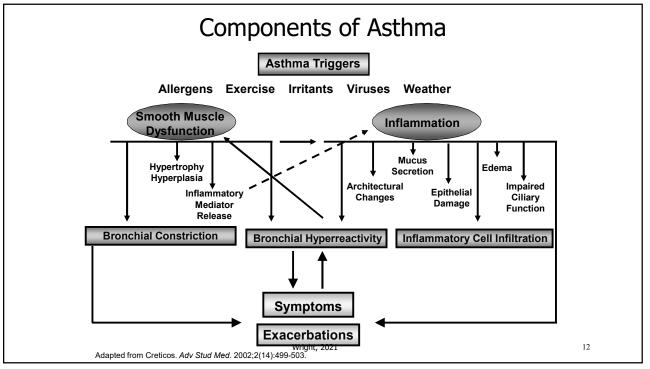


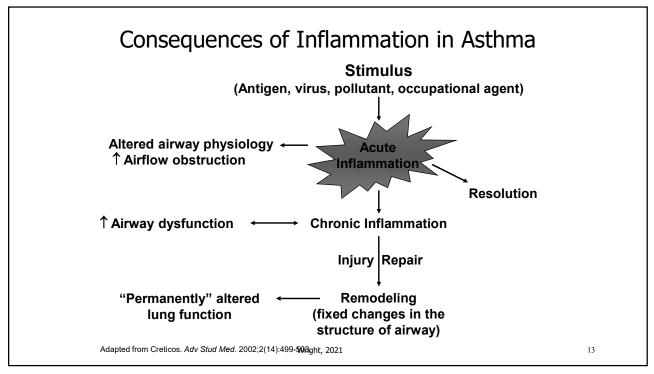


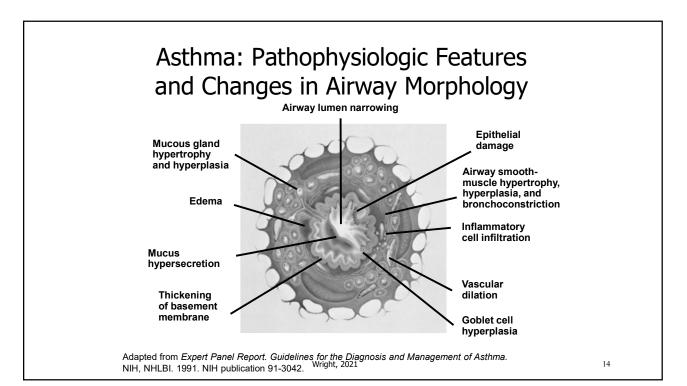


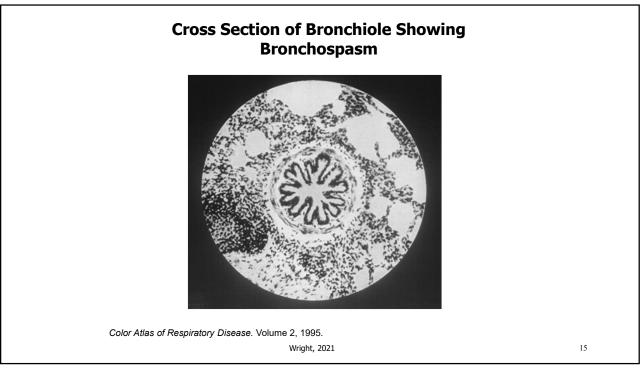


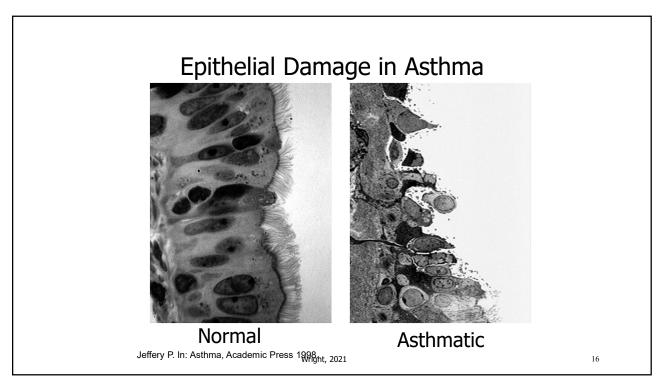


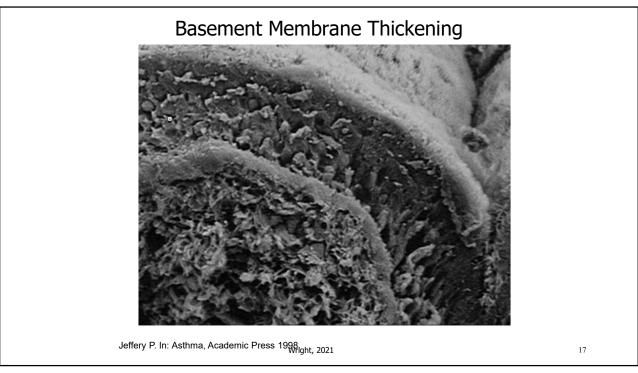


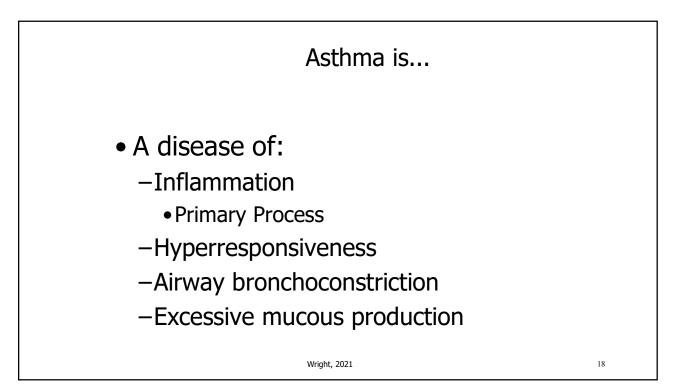


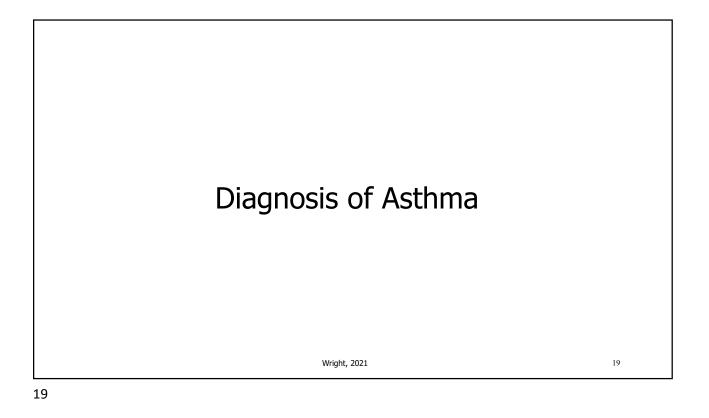


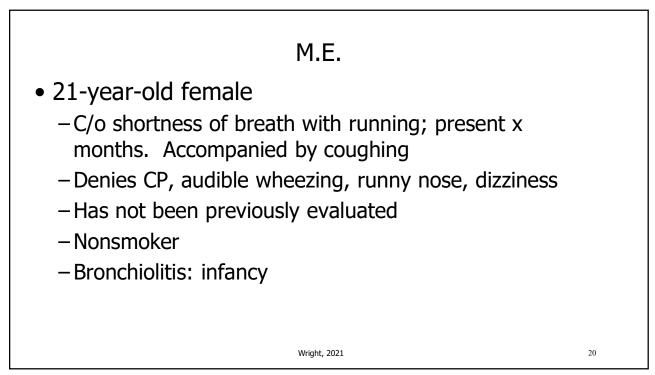


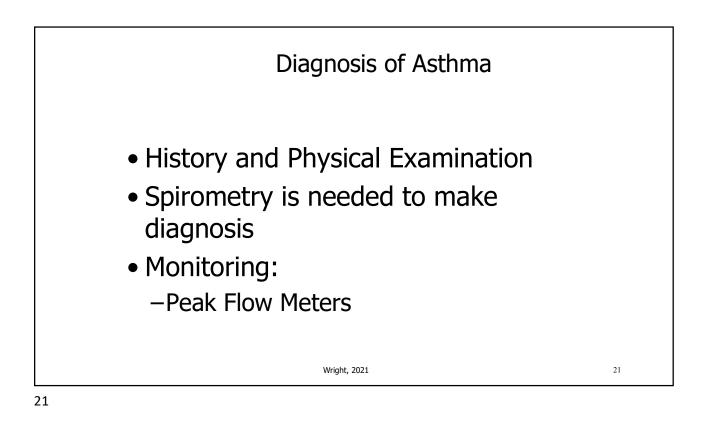


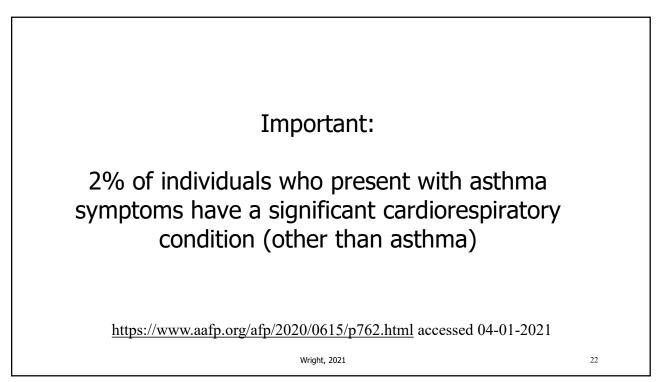


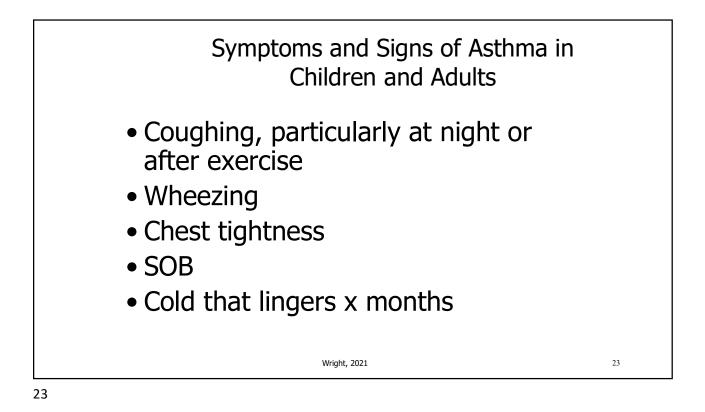


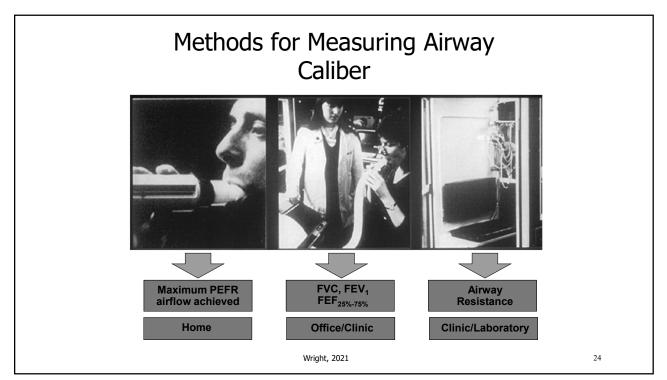


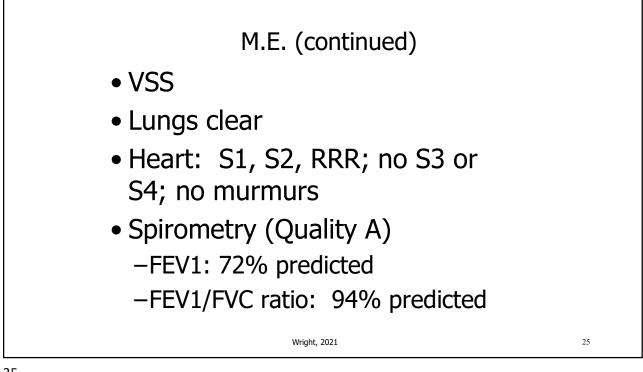


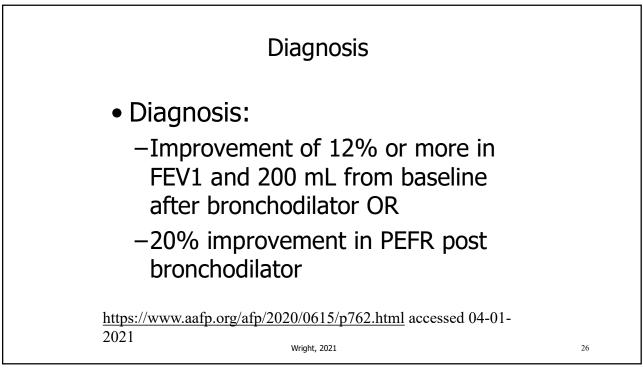


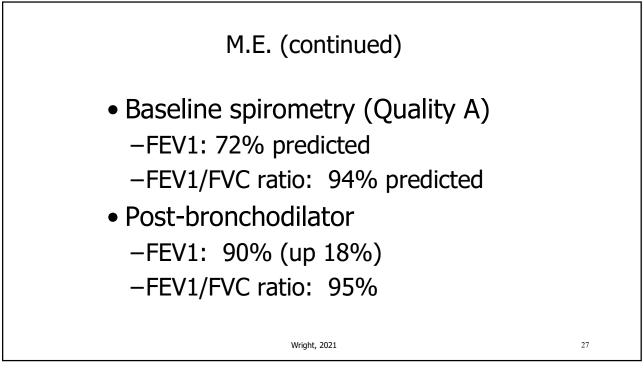


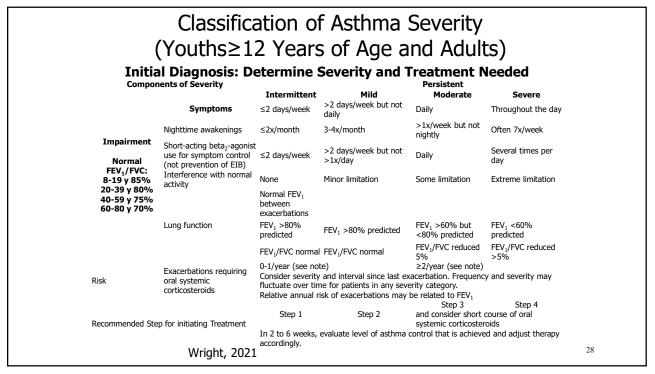


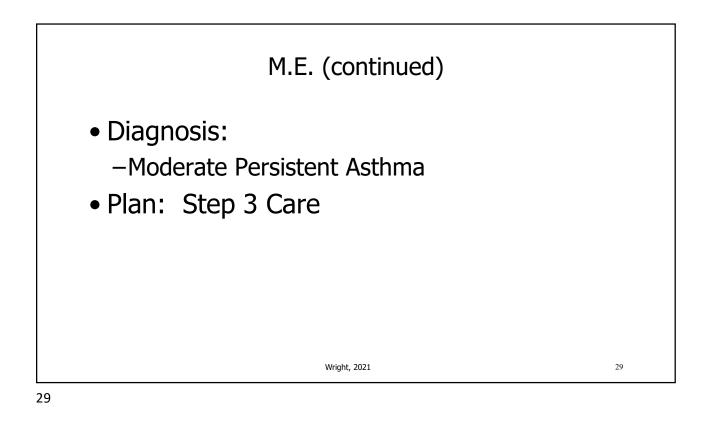


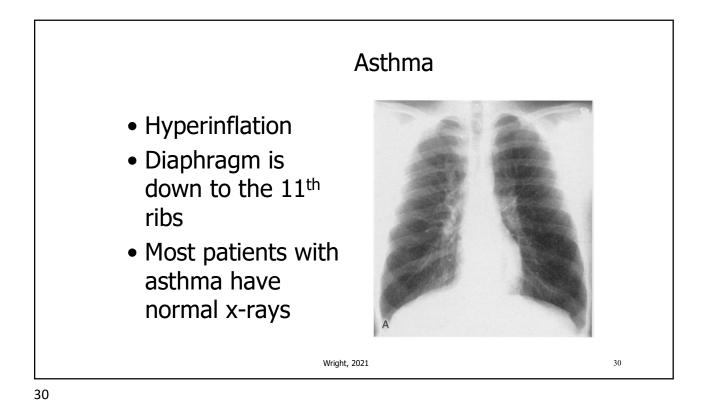


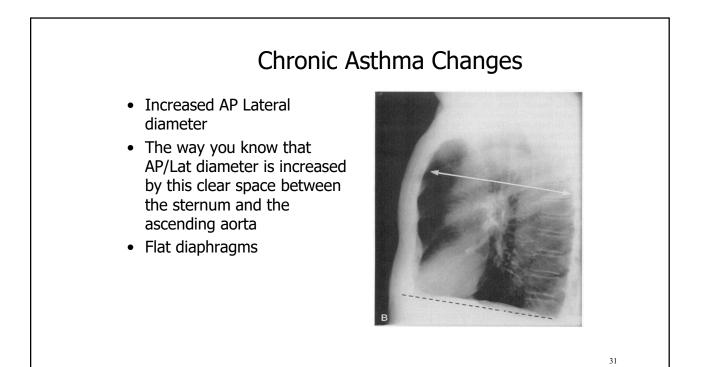


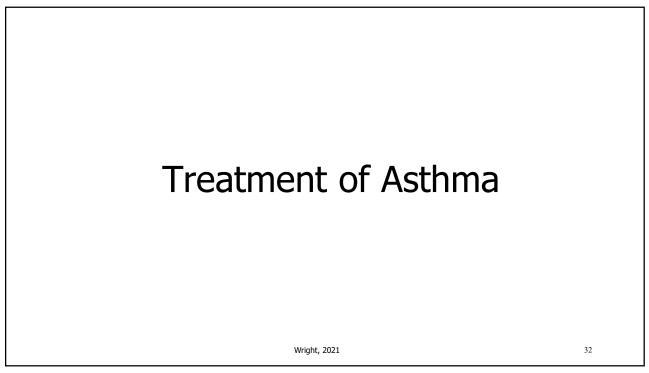


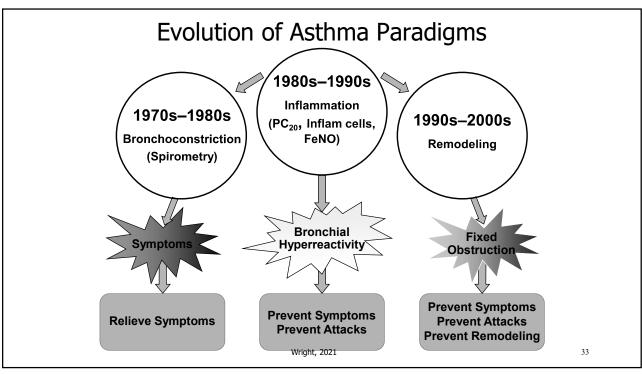


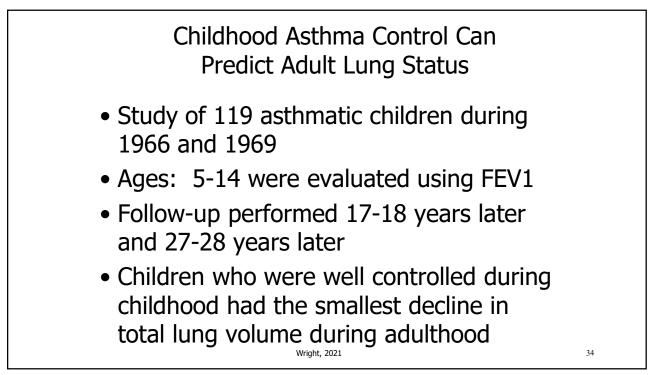


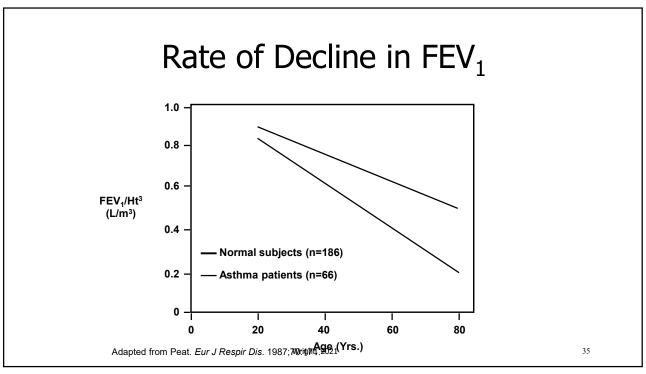


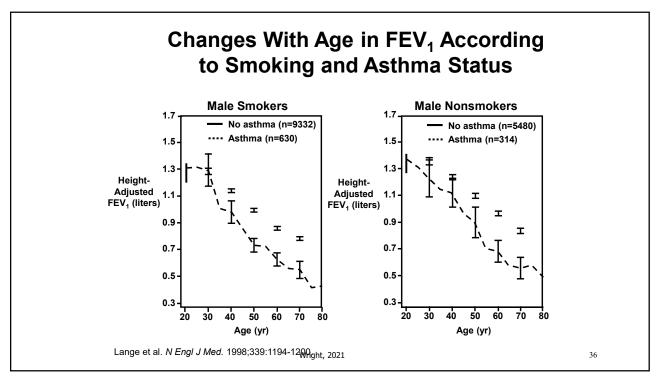




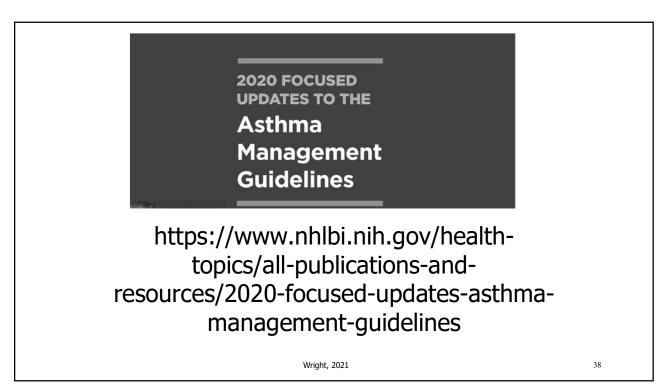


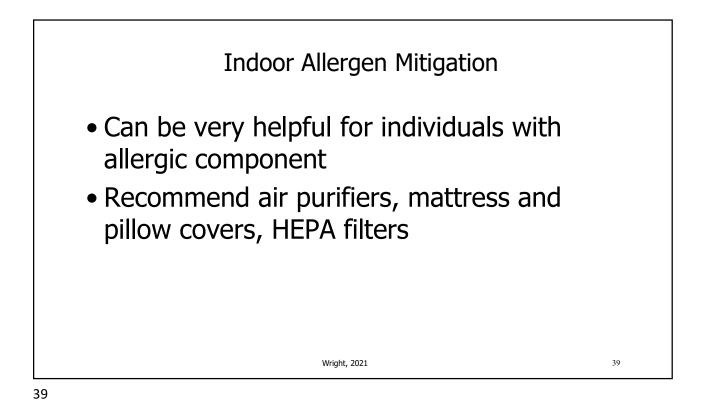




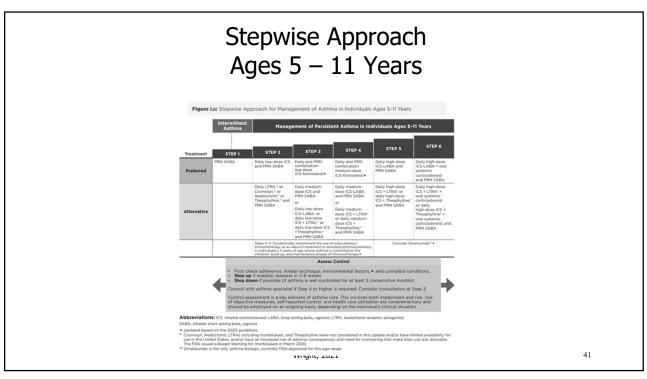


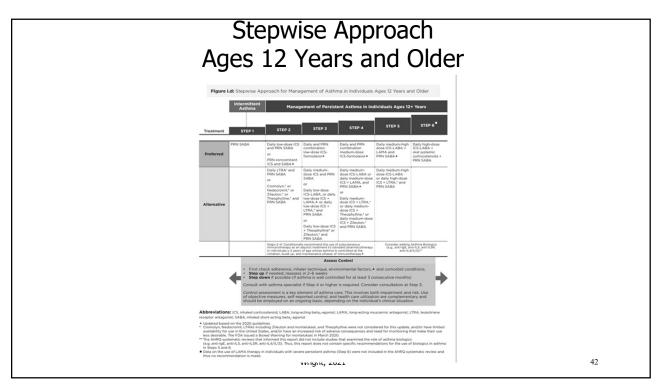
	e 10-14: Cl (Youths≥1:					
Initia	I Diagnosis: De		-			
	· · · · · · ·	Intermittent	Mild	Moderate	Severe	
	Symptoms	≤2 days/week	>2 days/week but not daily	Daily	Throughout the day	
	Nighttime awakenings	≤2x/month	3-4x/month	>1x/week but not nightly	Often 7x/week	
Impairment Normal FEV ₃ /FVC: 8-19 y 85% 20-39 y 80% 40-59 y 75% 60-80 y 70%	Short-acting beta ₂ -agonist use for symptom control (not prevention of EIB)	≤2 days/week	>2 days/week but not >1x/day	Daily	Several times per day	
	Interference with normal activity	None	Minor limitation	Some limitation	Extreme limitation	
		Normal FEV ₁ between exacerbations				
	Lung function	FEV ₁ >80% predicted	FEV_1 >80% predicted	FEV ₁ >60% but <80% predicted	FEV ₁ <60% predicted	
		FEV ₁ /FVC normal	FEV ₁ /FVC normal	FEV ₁ /FVC reduced 5%	FEV ₁ /FVC reduced >5%	
Risk	Exacerbations requiring oral systemic corticosteroids	0-1/year (see note) ≥2/year (see note) Consider severity and interval since last exacerbation. Frequency and severity may fluctuate over time for patients in any severity category. Relative annual risk of exacerbations may be related to FEV ₁				
				Step 3	Step 4	
Recommended Step for initiating Treatment		Step 1	Step 2 evaluate level of asthma , 2021	and consider short of systemic corticoster	oids	

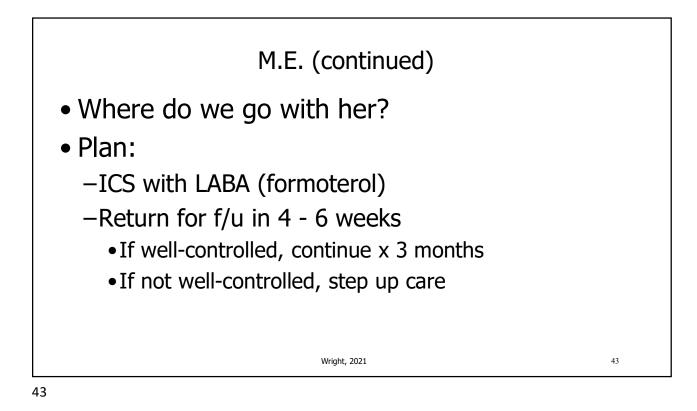




Stepwise Approach Ages 0 – 4 Years Asthma in Individuals Ages 0-4 Years Figure I.b: Stepwise Approent of Pers jes 0-4 Year STEP 6 STEP 5 STEP 4 STEP 3 STEP 2 STEP 1 y highdose ICS and PRN SARA ICS-LABA ICS and dose ICS-LABA Daily montelukast* or Cromolyn,* and PRN SABA ated based on the 2020 gu nolyn and montelukast were not consi d a Boxed Warning for montelukast ir Wright, 2021 40

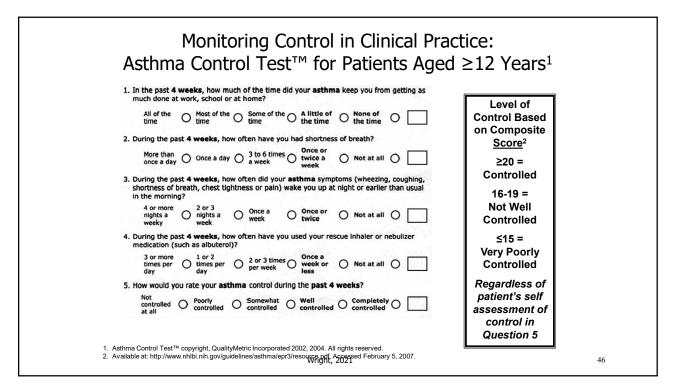


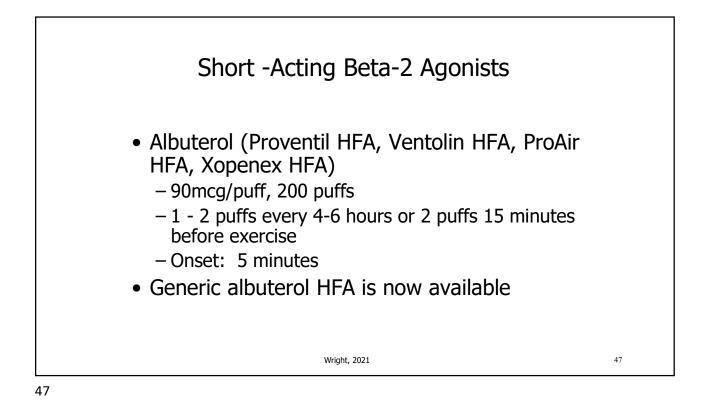


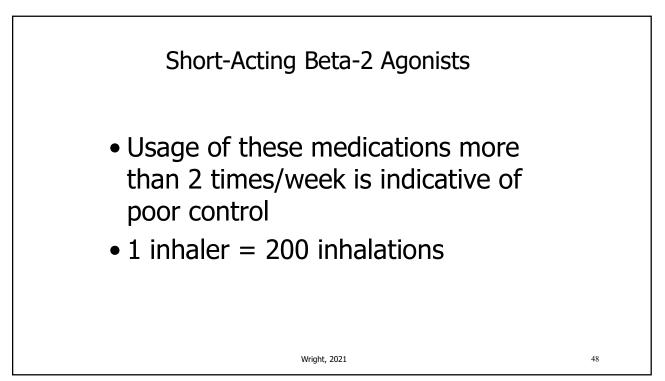


Major Focus in EPR-3 • Controlling asthma is a major focus of the EPR-3 and EPR-4 guidelines

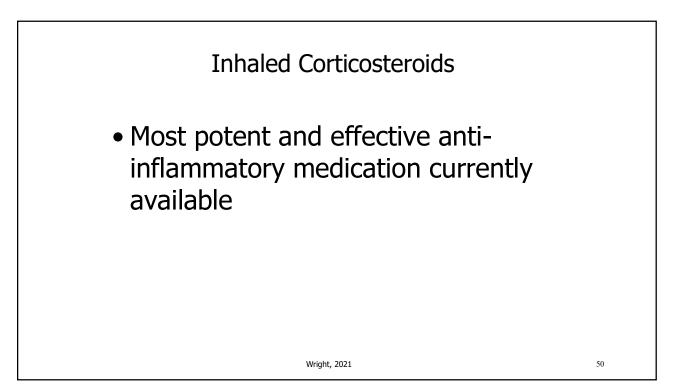
•	uths ≥12 Y		ge and A	•	
Follow-up Vis Component		e Level of Cor Well-controlled	ntrol and Tre Not Well- controlled	atment Needed Very Poorly Controlled	
	Symptoms	≤2 days/week	>2 days/week	Throughout the day	
	Nighttime awakenings	≤2 x/month	1-3x/week	≥4x/week	
	Interference with normal activity	None	Some limitation	Extremely limited	
Impairment	Short-acting beta ₂ - agonist use for symptom control (not prevention of EIB)	≤2 days/week	>2 days/week	Several times per day	
	FEV_1 or peak flow	>80% predicted/personal best	60-80% predicted/personal best	<60% predicted/personal best	
	Validated Questionnaires ATAQ ACQ ACT	0 ≤0.75* ≥20	1-2 ≥1.5 16-19	3-4 N/A ≤15	
	Exacerbations	0-1/year ≥2/year (see note) Consider severity and interval since last exacerbation			
	Progressive loss of lung function	Evaluation requires lon			
Risk	Treatment-related adverse effects	and worrisome. The le		om none to very troublesome t correlate to specific levels of assessment of risk.	
*ACQ values of 0.76-1.4 are inde Key: EIB, exercise-induced bron	eterminate regarding well-controlled asth chospasm; FEV ₁ , forced expiratory volun	ma. Wright, 2021			45

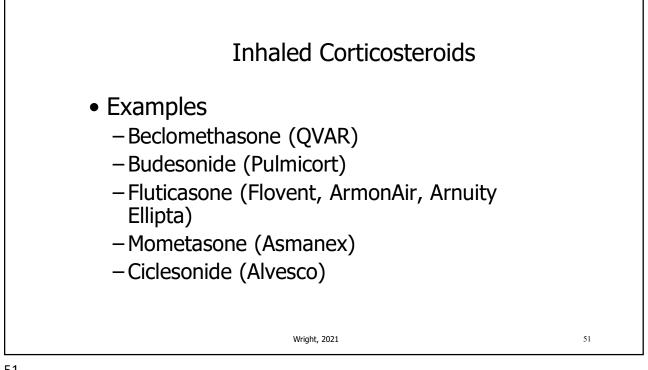




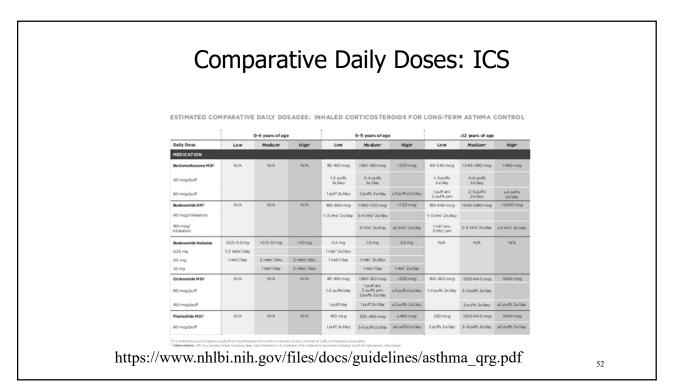


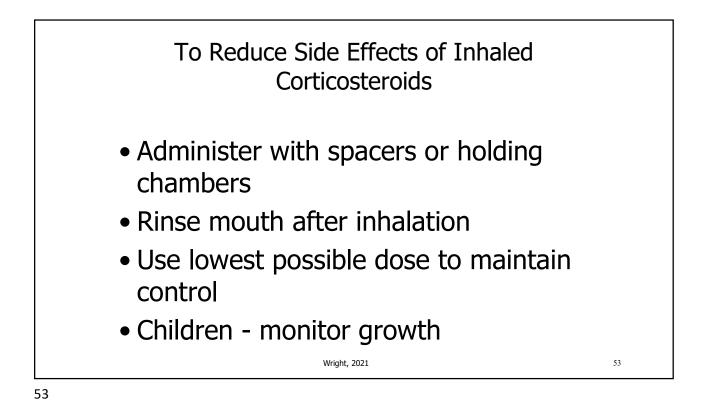


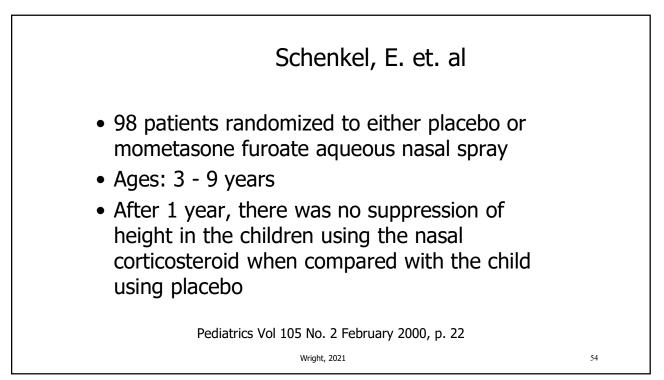


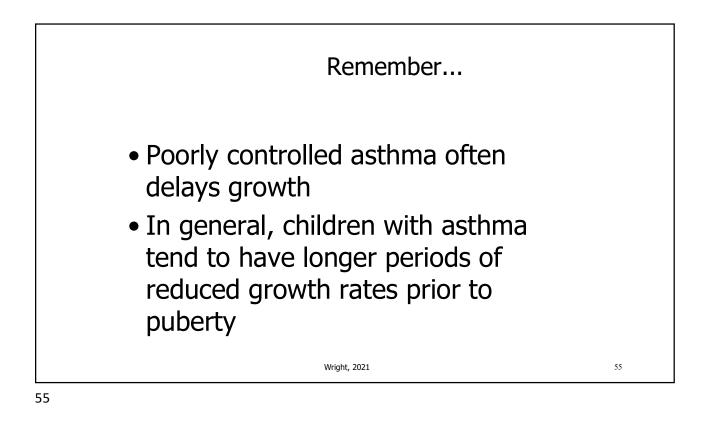


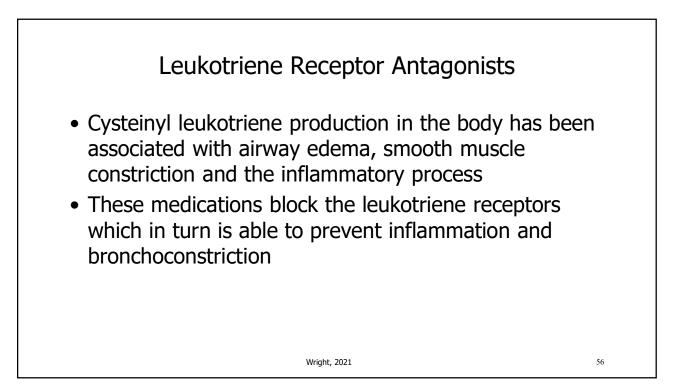


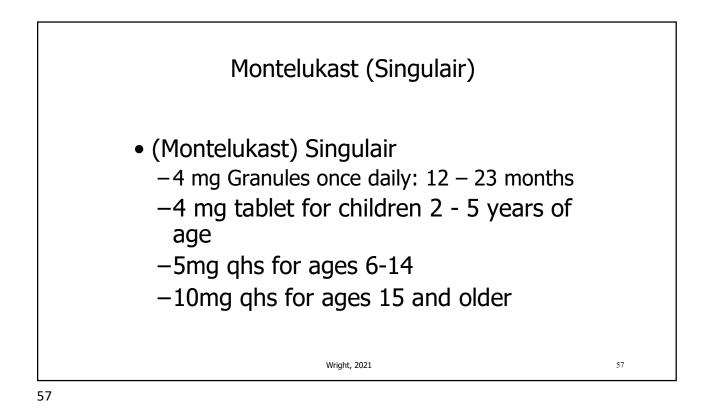


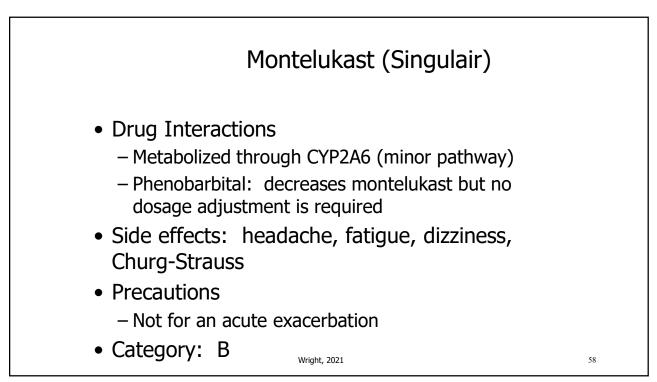


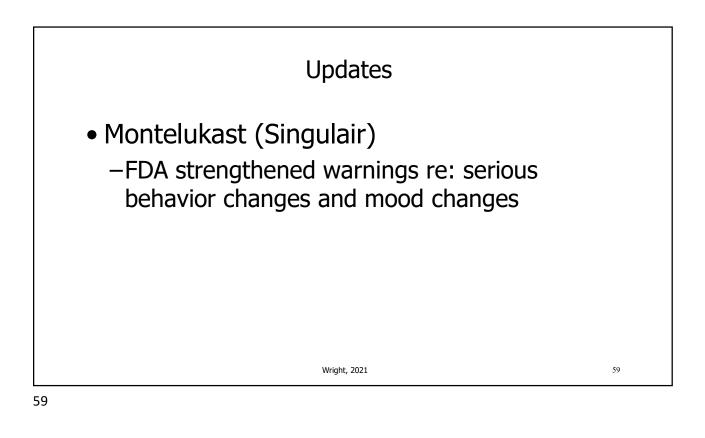


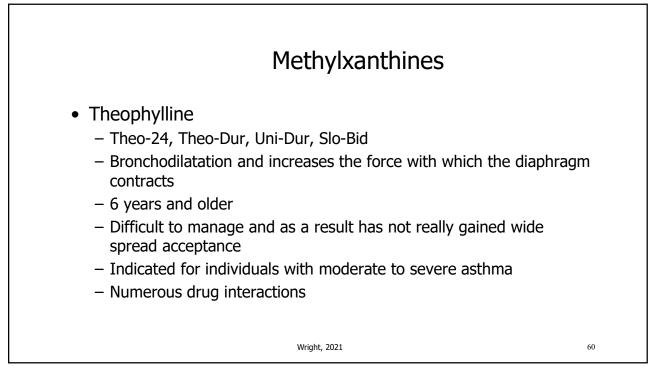


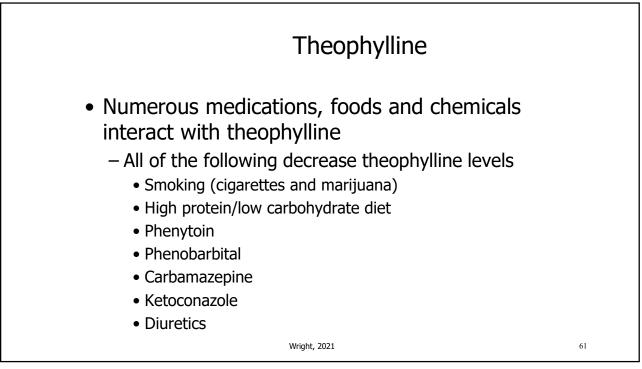


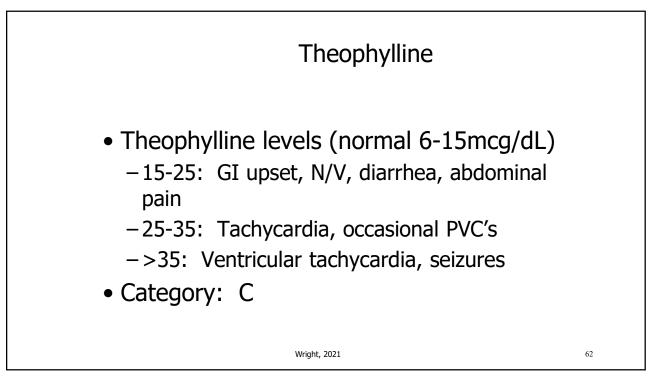


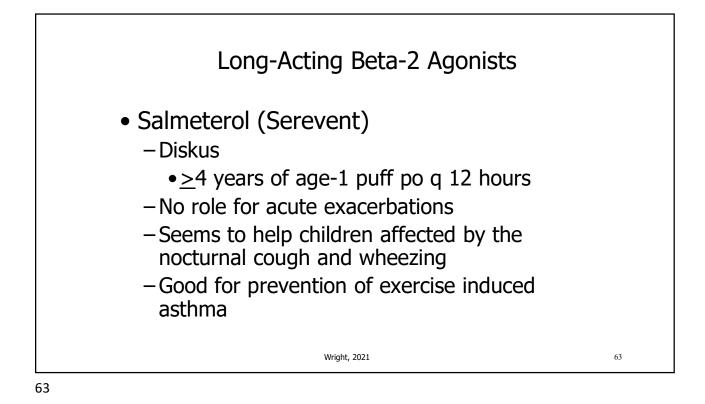


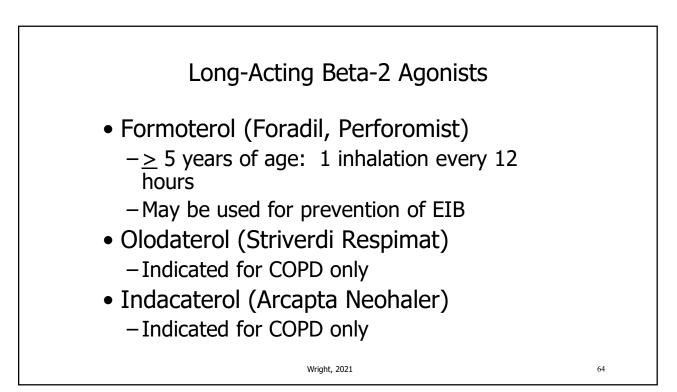


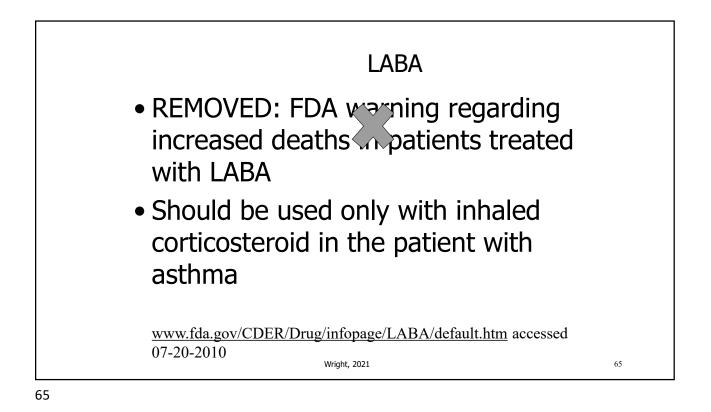


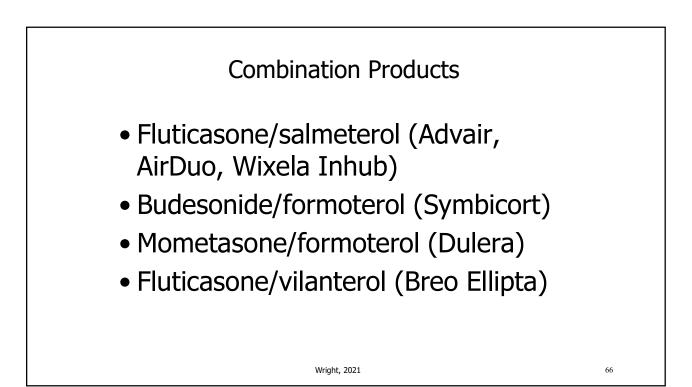


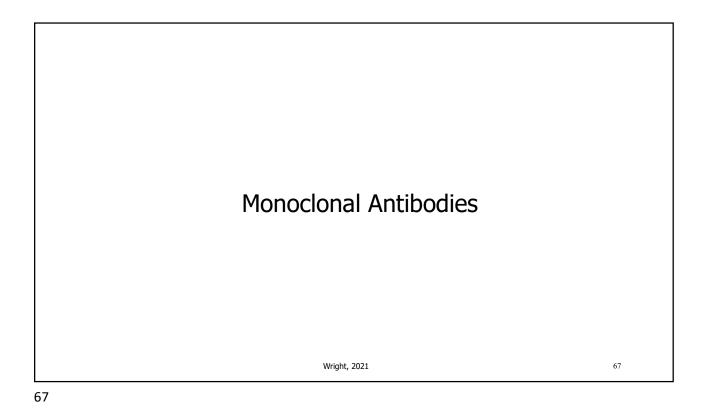


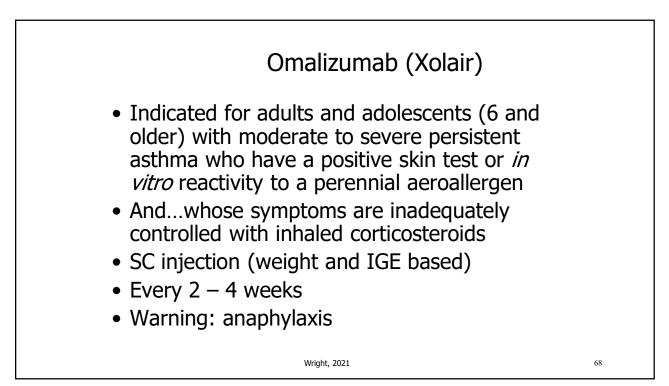


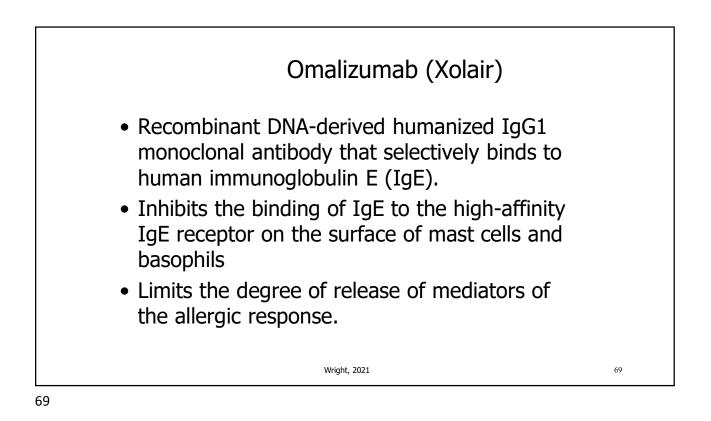


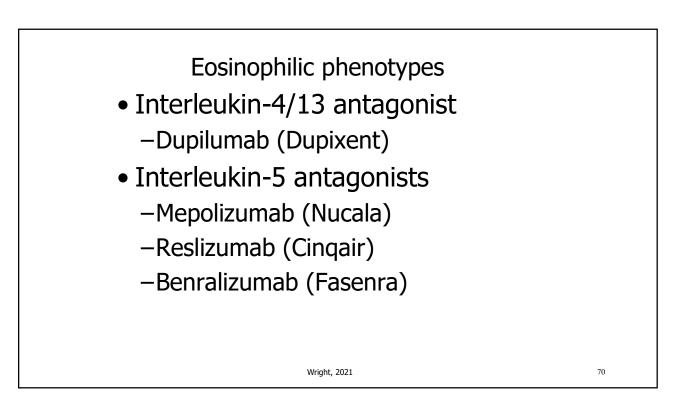


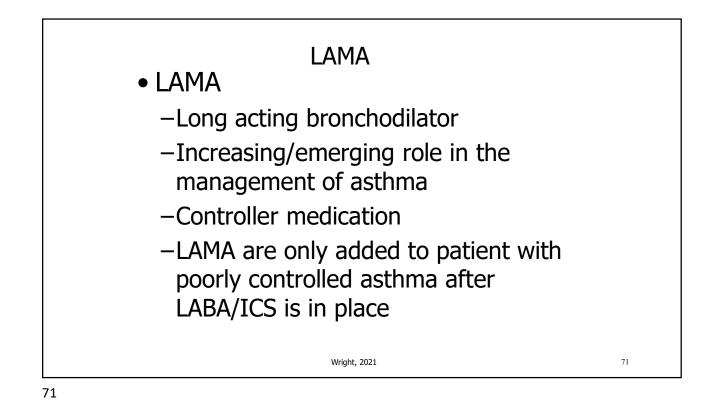


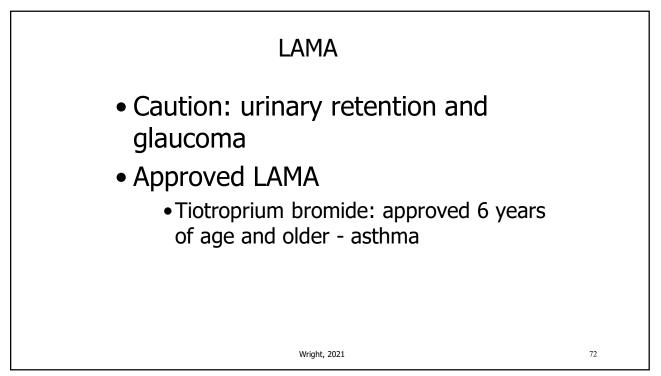


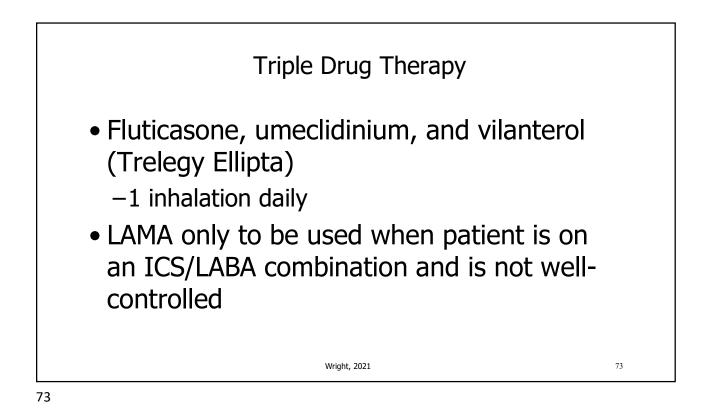


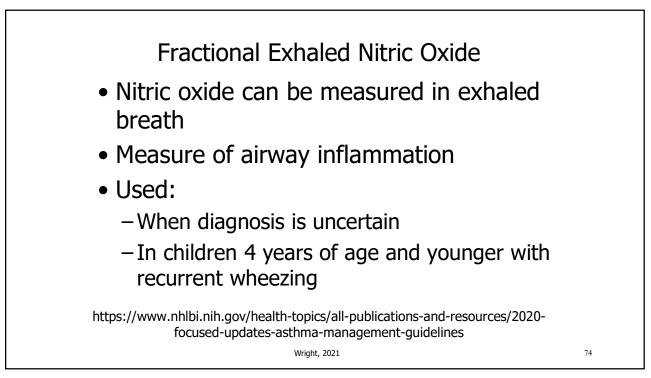


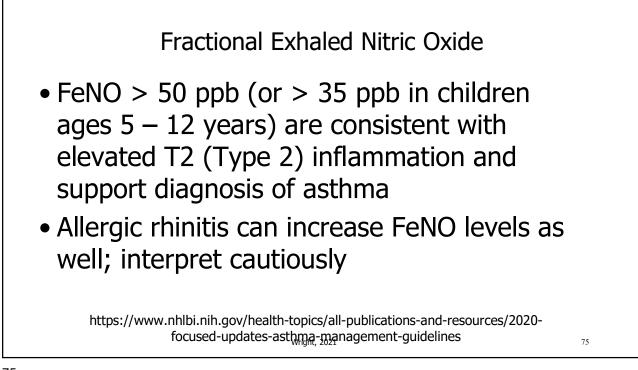


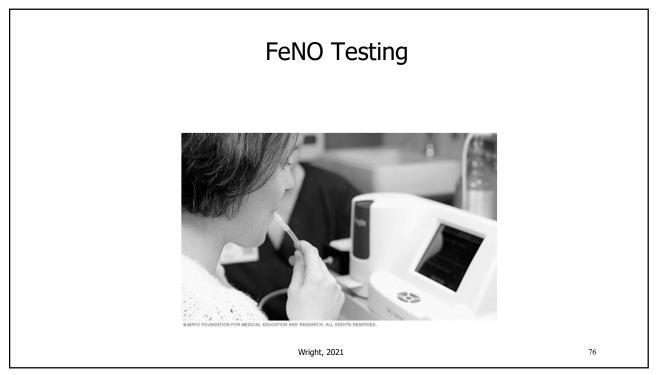


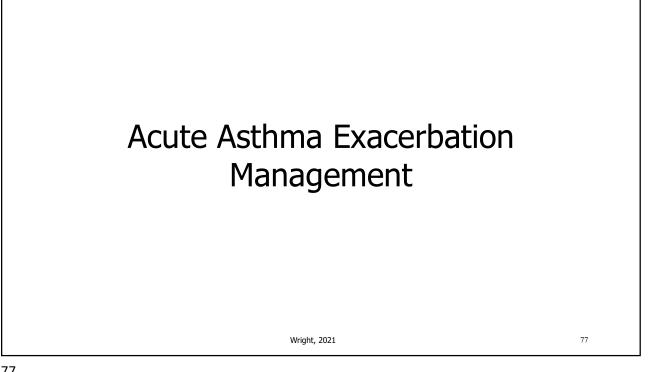


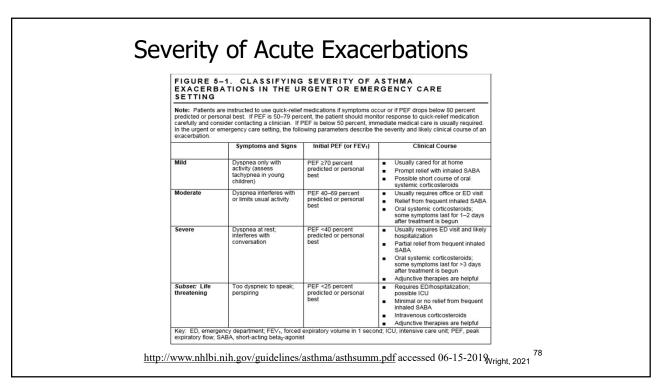


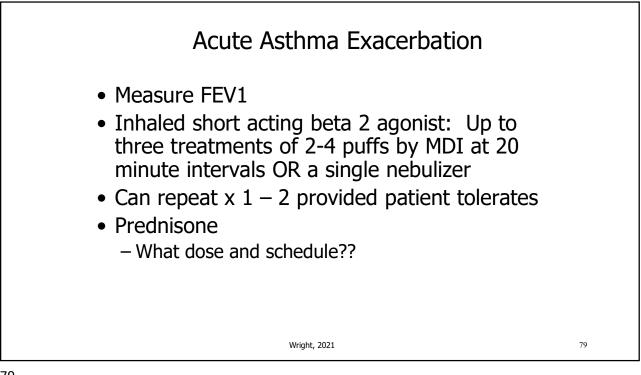


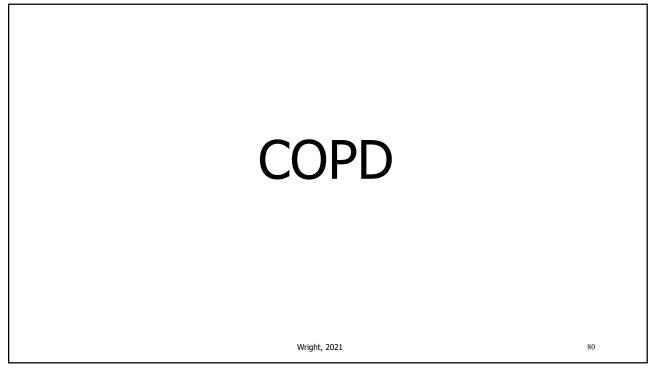


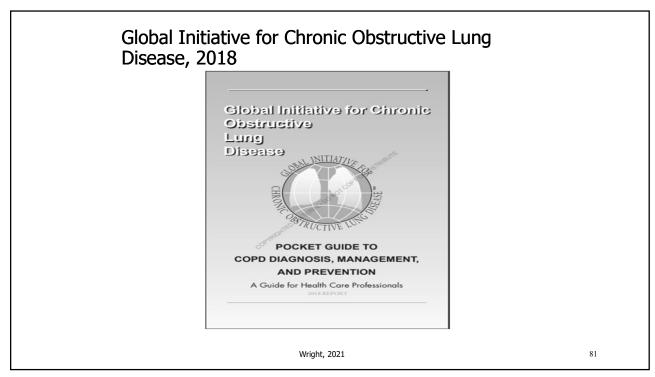


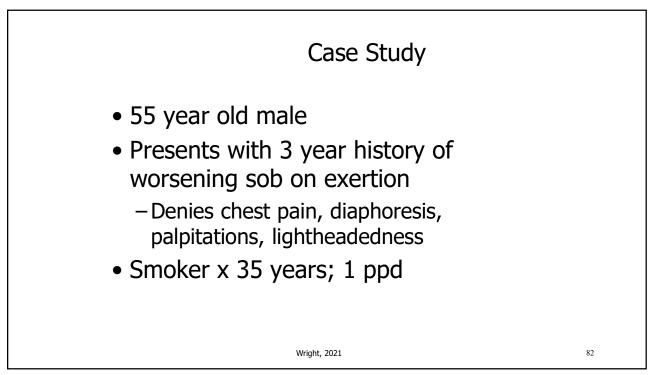


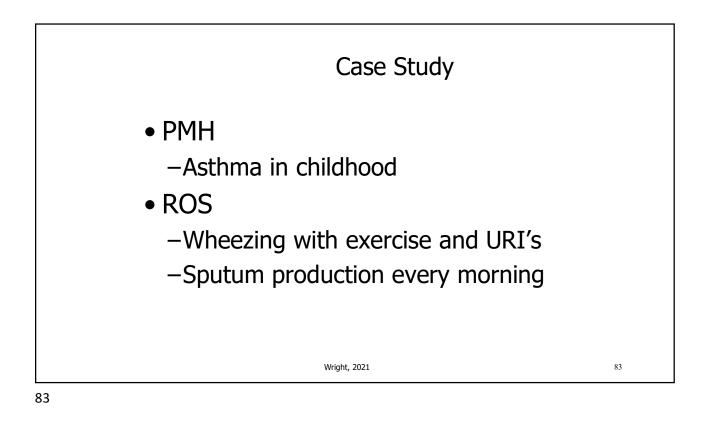


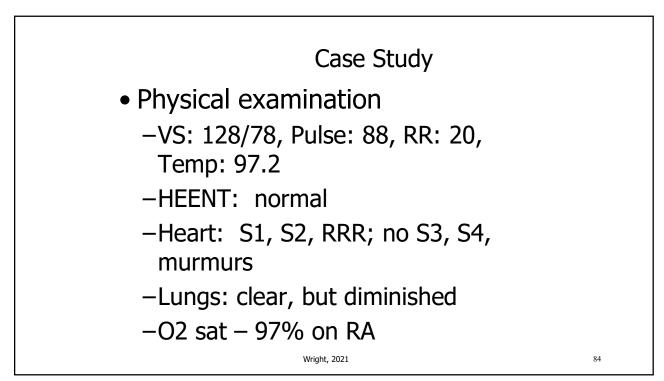


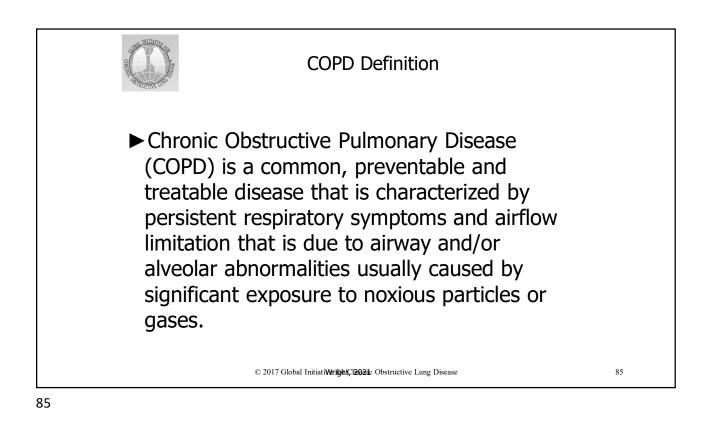


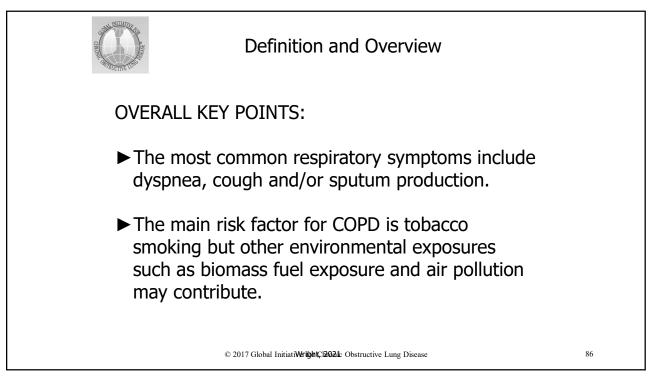


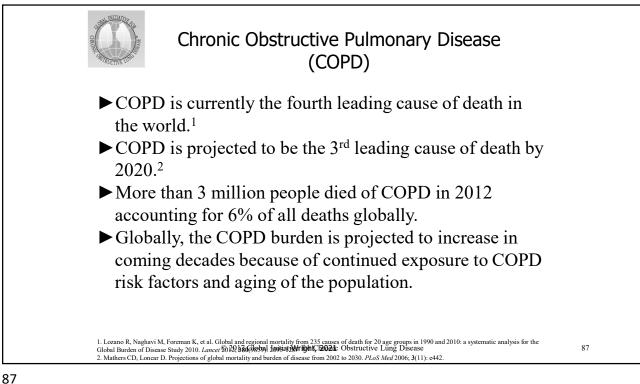




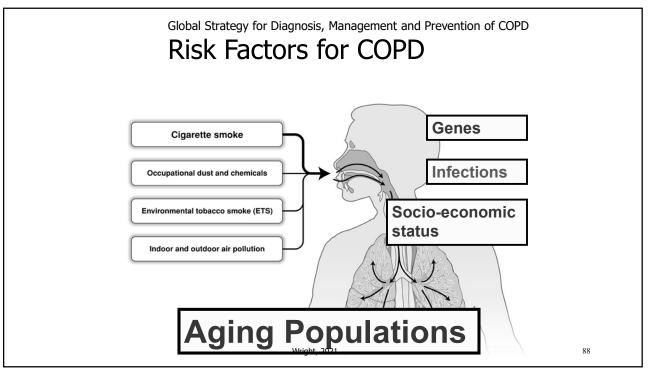


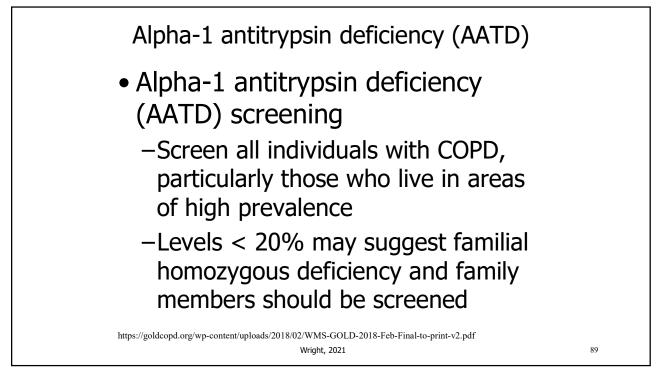


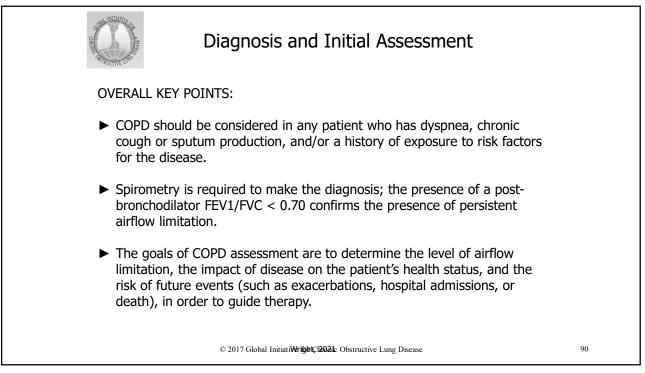


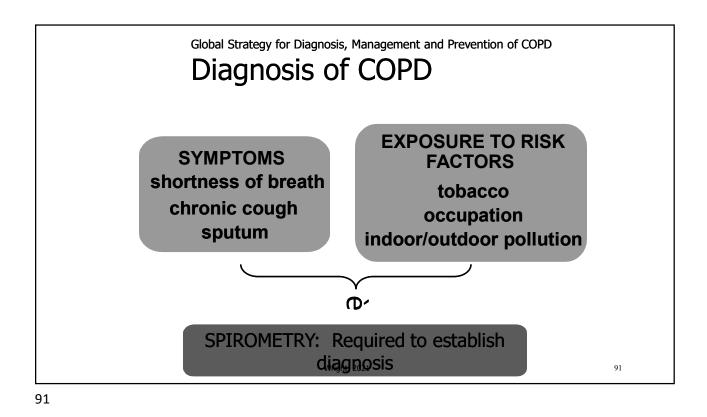


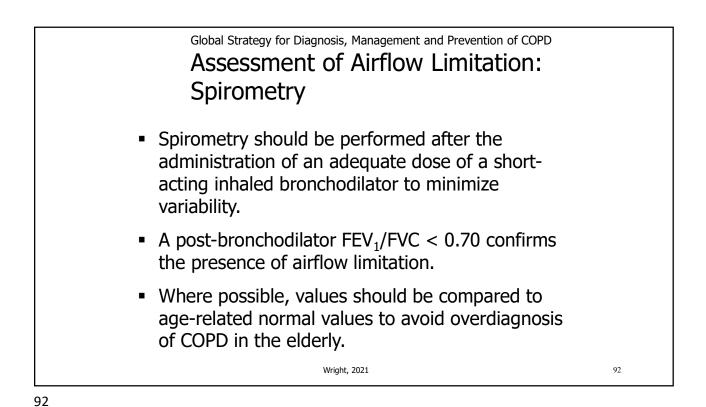


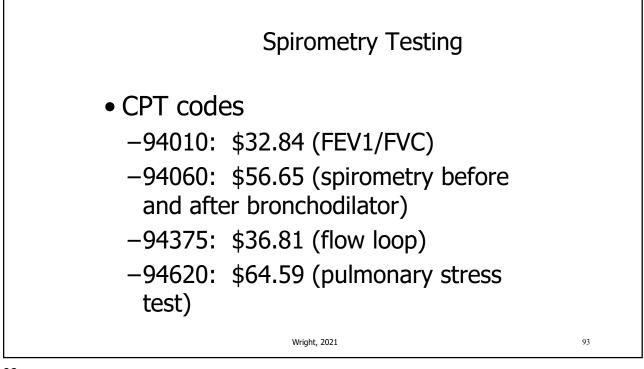


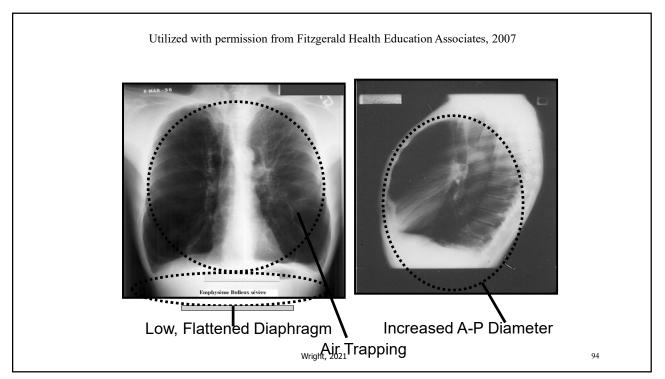


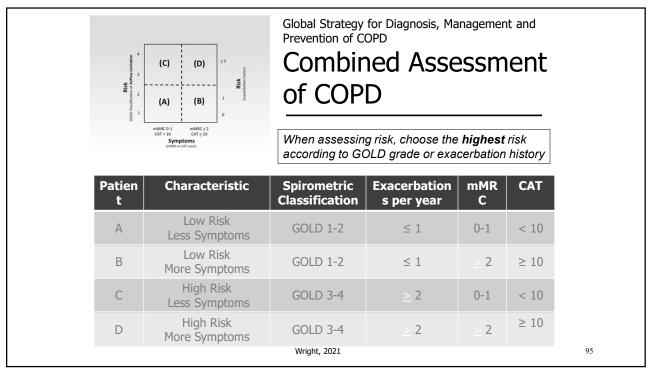


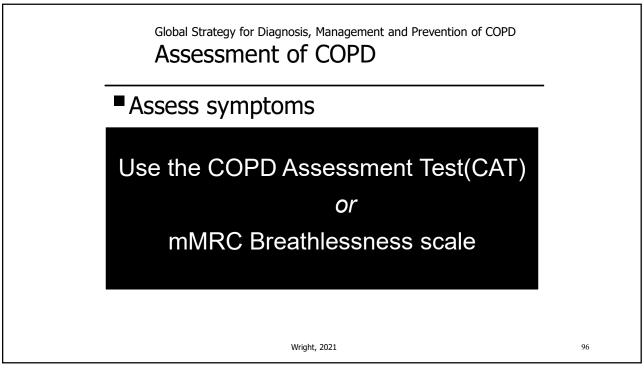


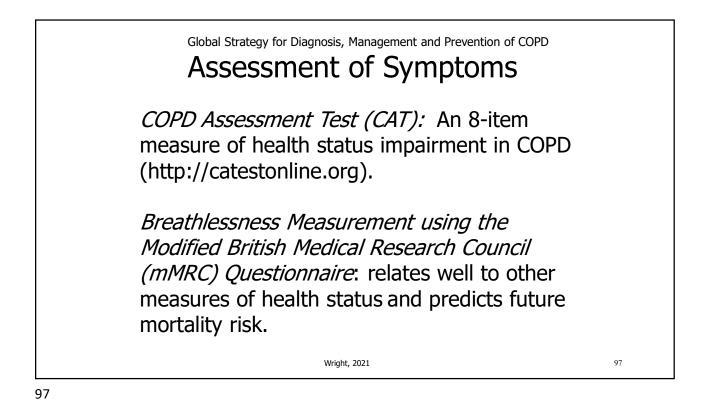




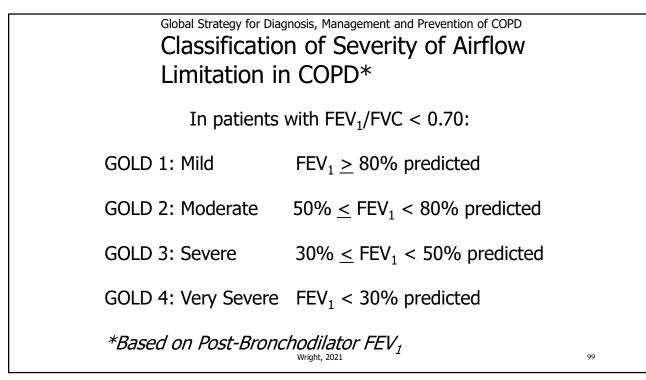


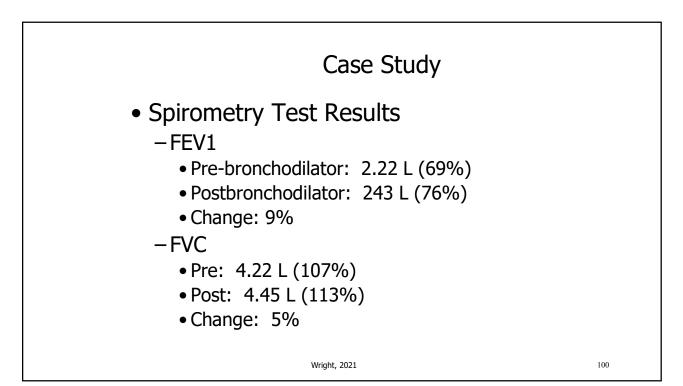


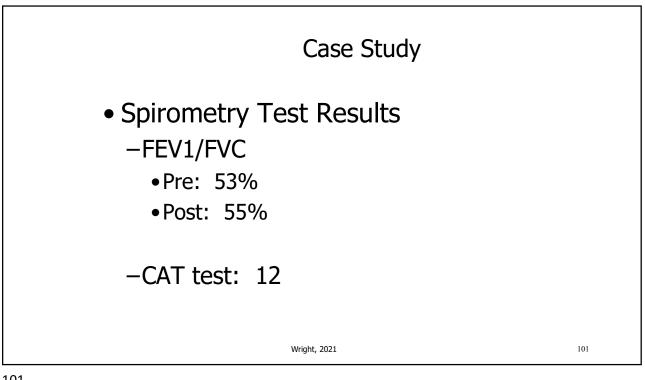


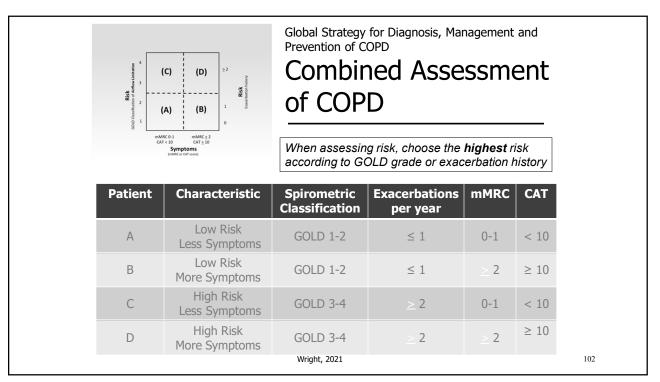


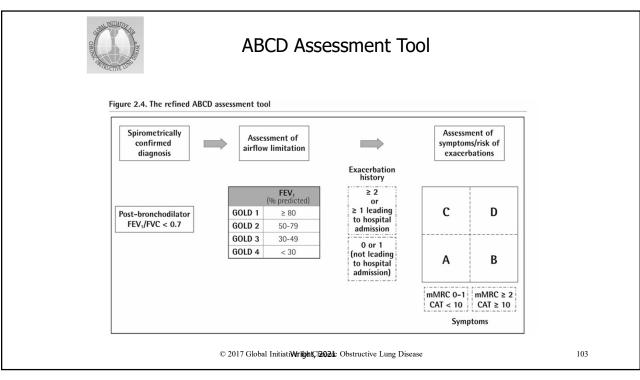
CAT: What are the questions? Example: I am very happy 0 2 3 4 5 I am very sad 0 1 2 3 4 5 I cough all the time I never cough l have no phlegm (mucus) In my chest at all 0 1 2 3 4 5 My chest is completely full of phlegm (mucus) 0 1 2 3 4 5 My chest feels very tight My chest does not feel tight at all When I walk up a hill or one flight of stairs I am 0 1 2 3 4 5 When I walk up a hill or one flight of stairs I am wery breathless am not limited doing ny activities at home I am very limited doing activities at home I am confident leaving my home despite my lung condition 0 1 2 3 4 5 0 1 2 3 4 5 I don't sleep soundly because of my lung condition sleep soundly have lots of energy I have no energy at all TOTAL Reproduced from: COPD Assessment Test Healthcare Professional User Guide Wright, 2021 98

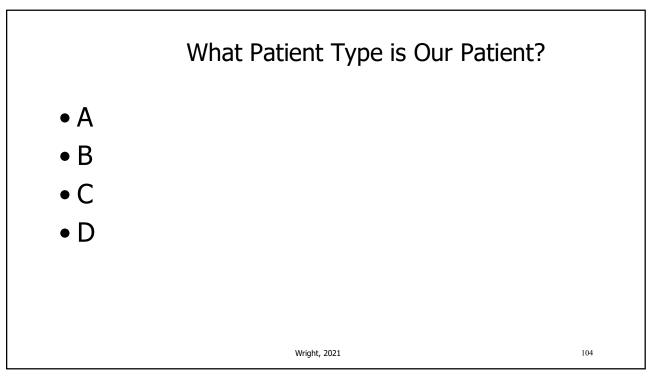


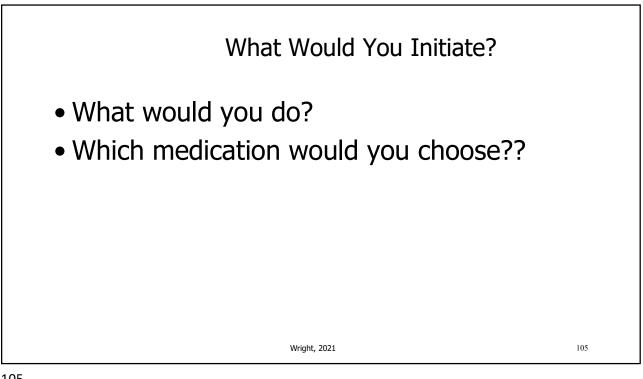


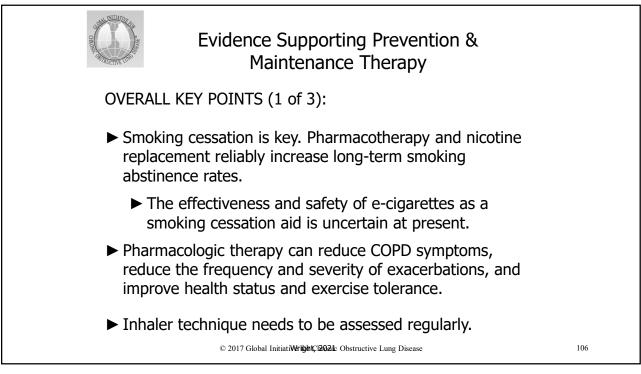


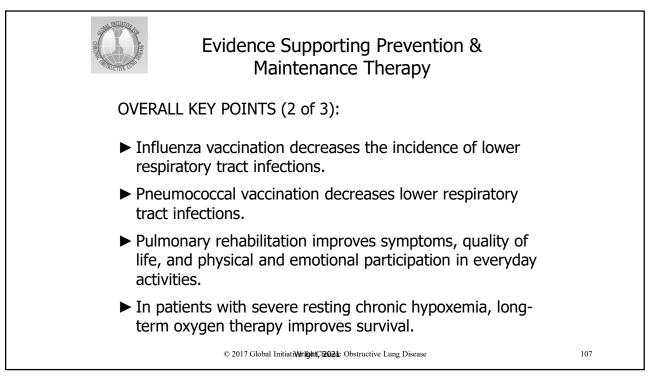


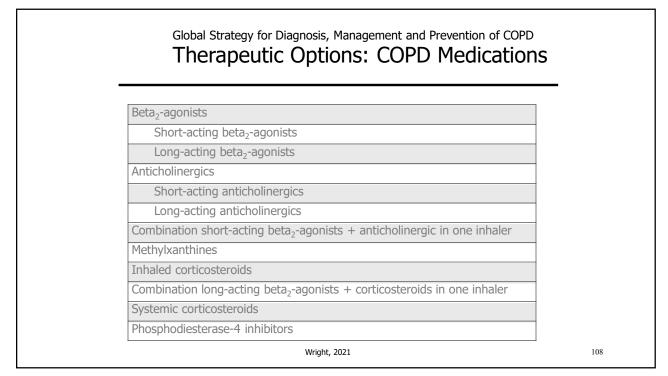




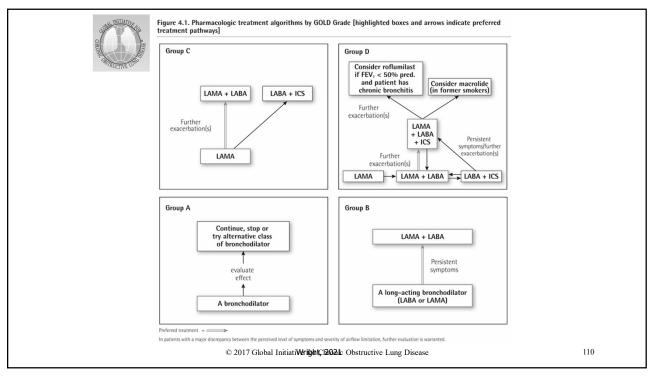


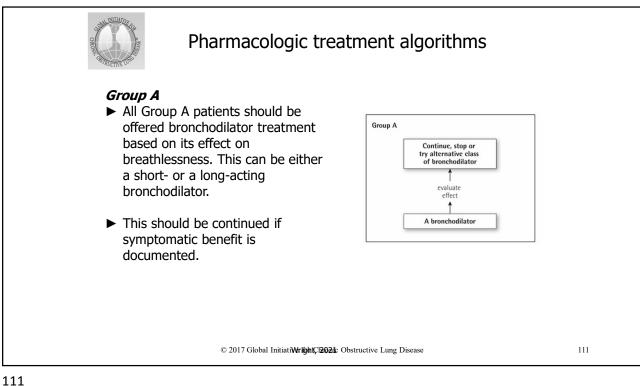




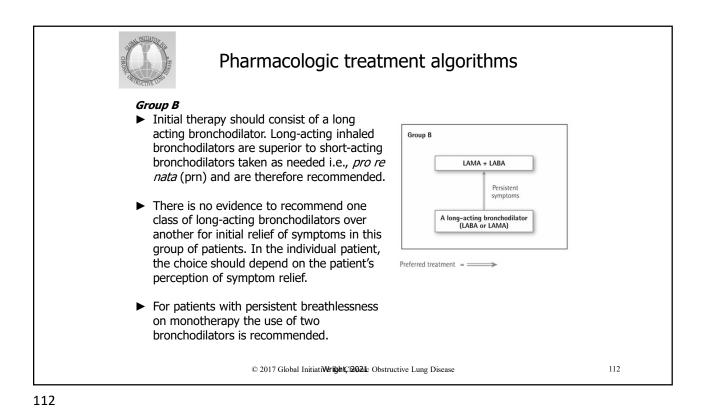


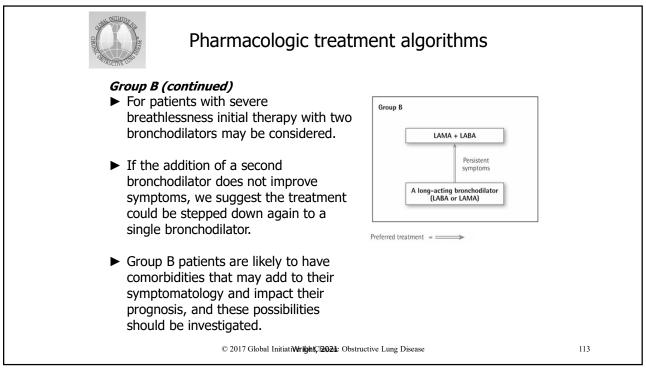
Global Strategy for Diagnosis, Management and Prevention of COPD Manage Stable COPD: Non-pharmacologic			
Patien t Group	Essential	Recommended	Depending on local guidelines
A	Smoking cessation (can include pharmacologic treatment)	Physical activity	Influenza vaccination Pneumococcal vaccination
B, C, D	Smoking cessation (can include pharmacologic treatment) Pulmonary rehabilitation	Physical activity	Influenza vaccination Pneumococcal vaccination
	© 2014 Global Initiatir	Wright, 2021 ve for Chronic Obstructive Lung Disease	

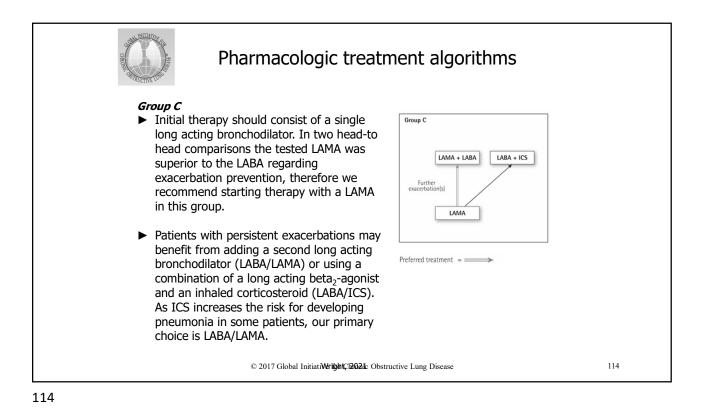


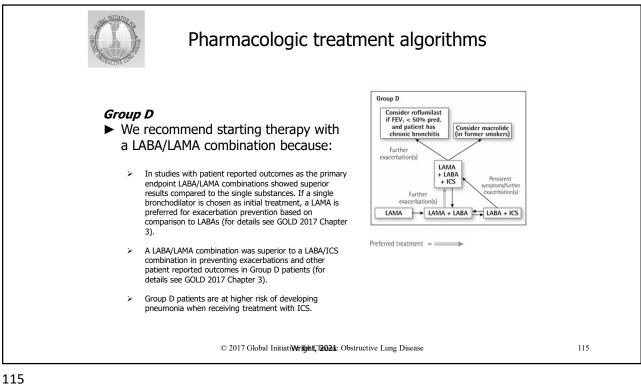




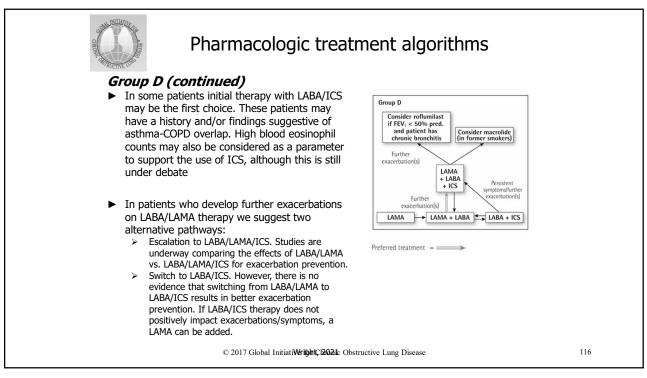


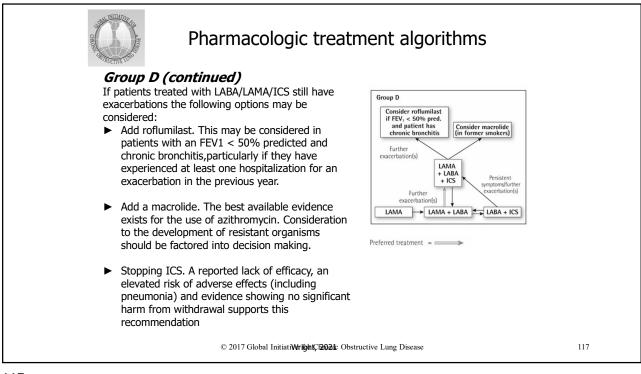


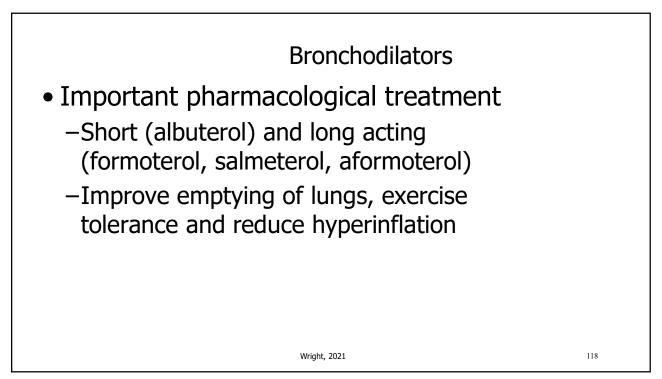


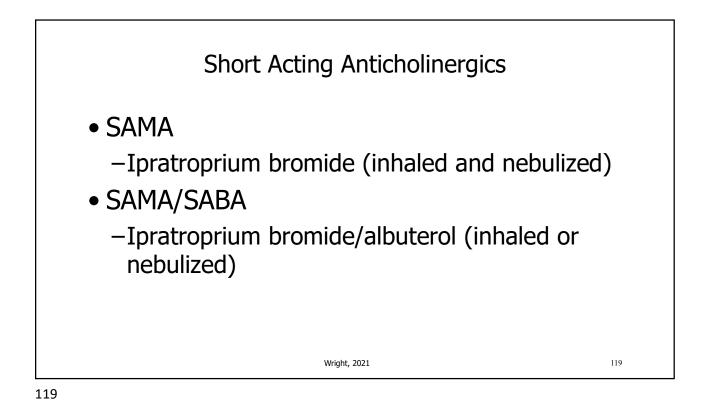


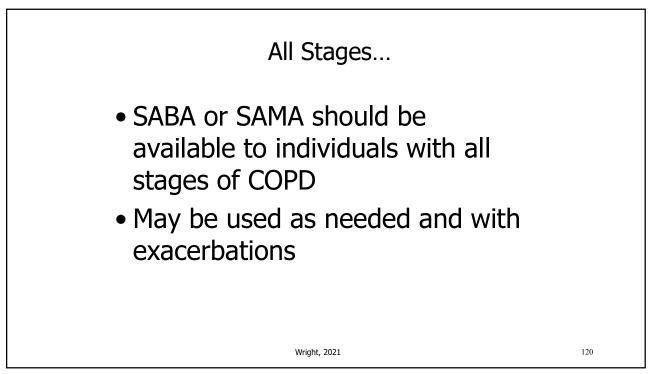


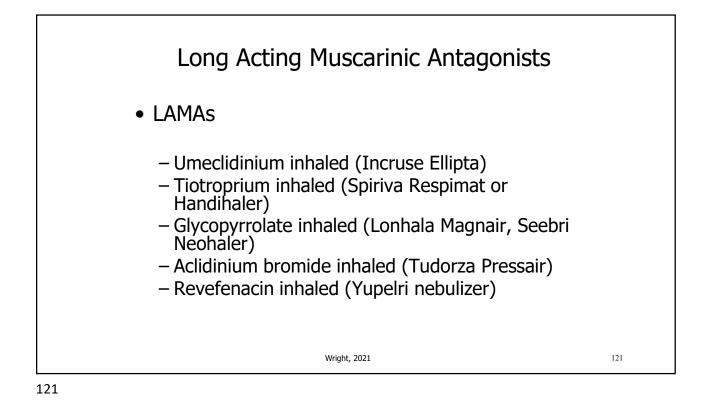


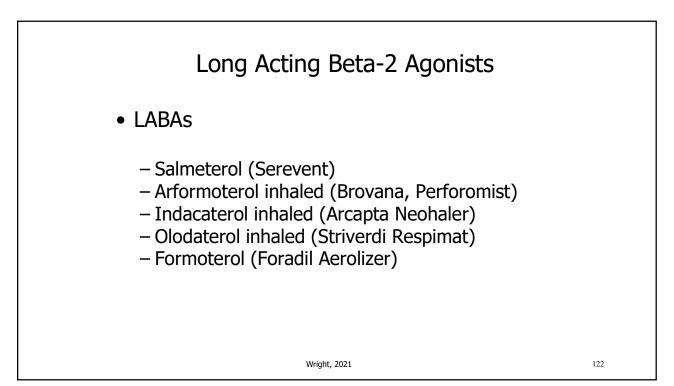


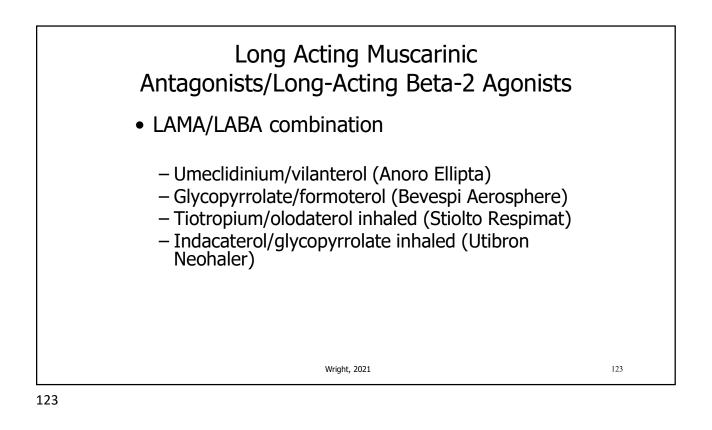


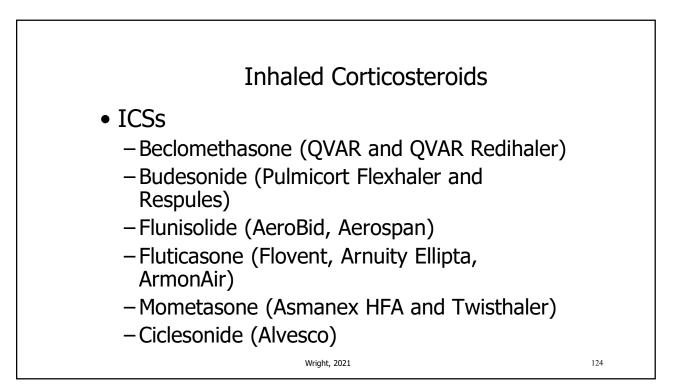


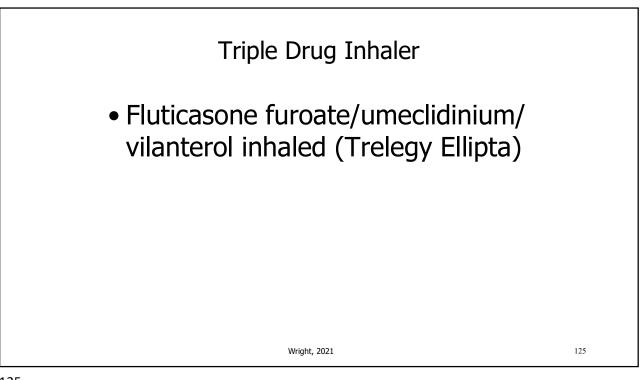


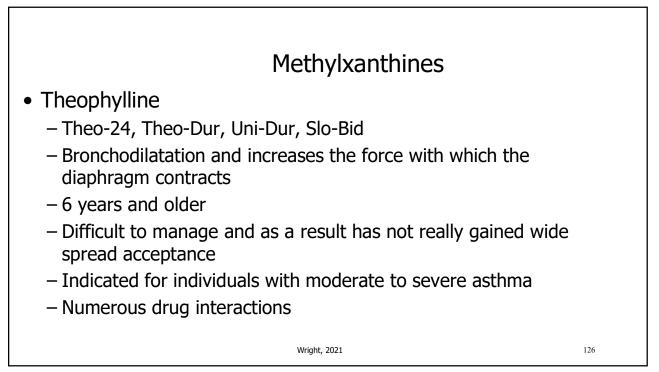


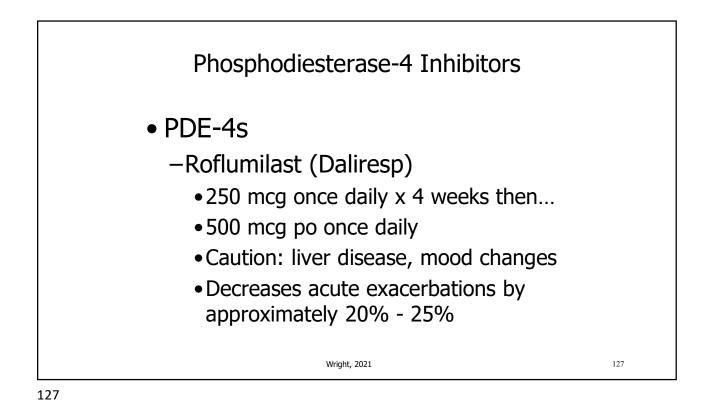


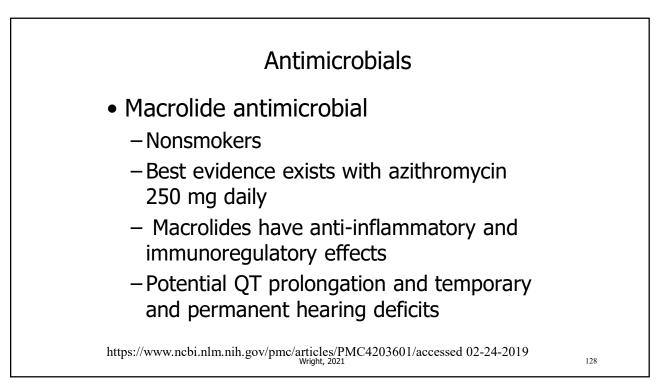


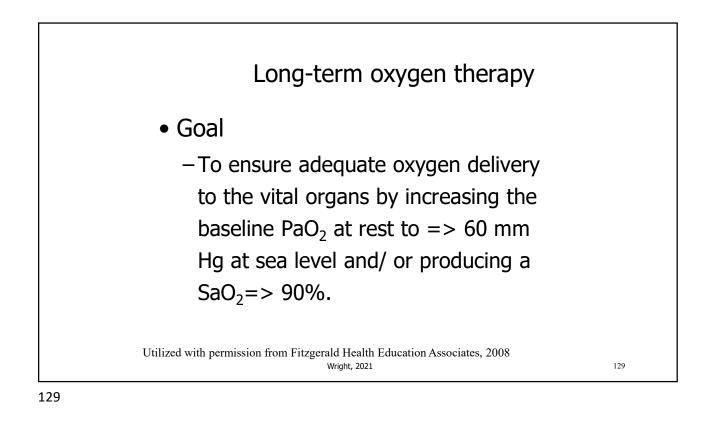


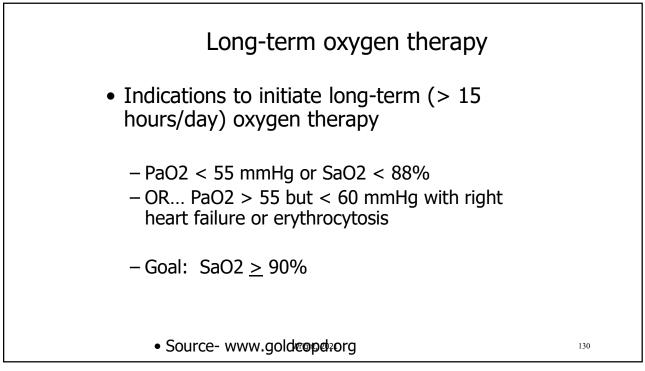


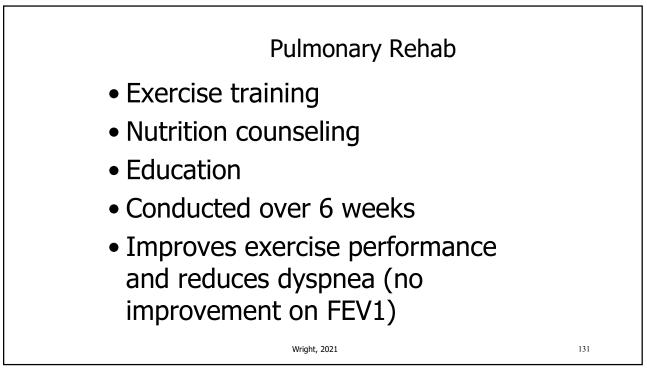


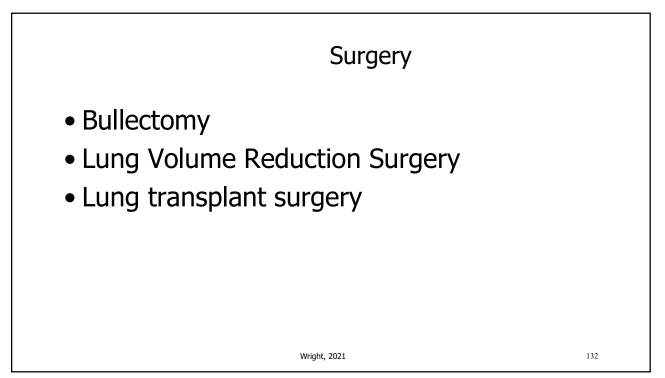


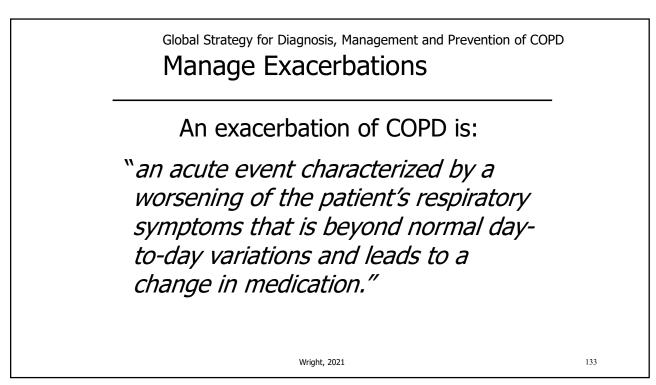


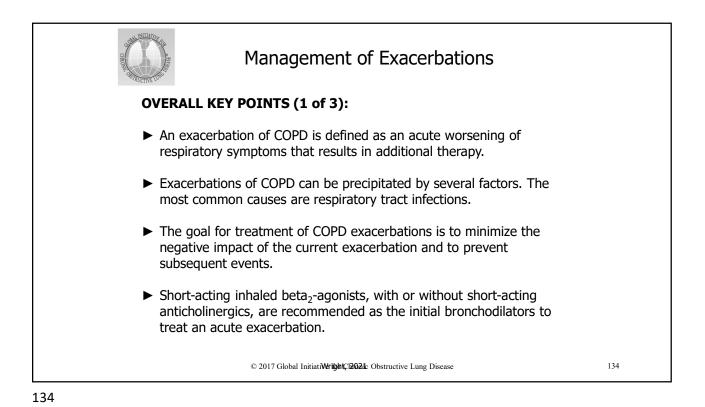


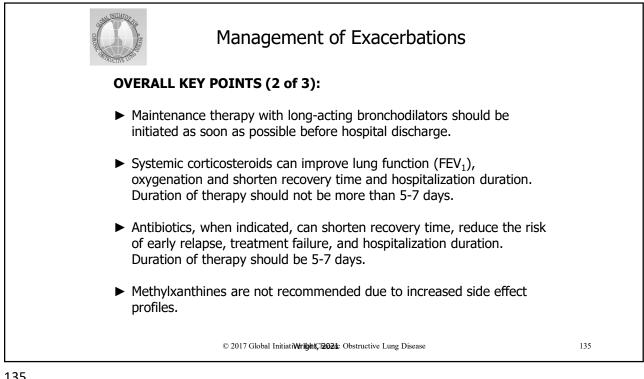


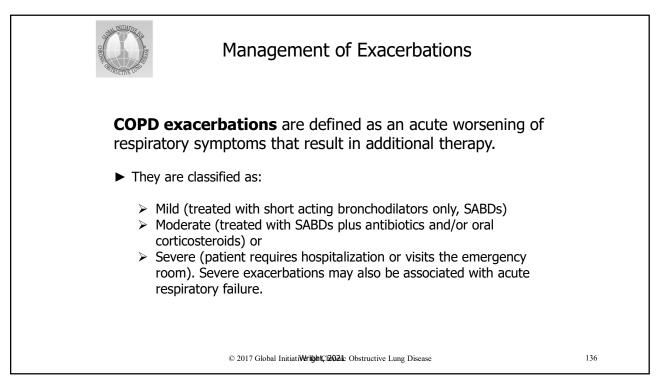


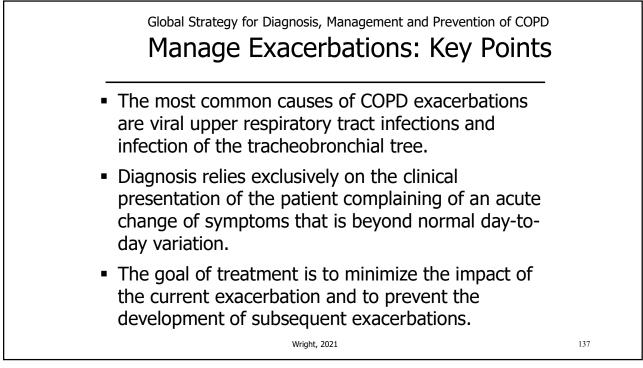


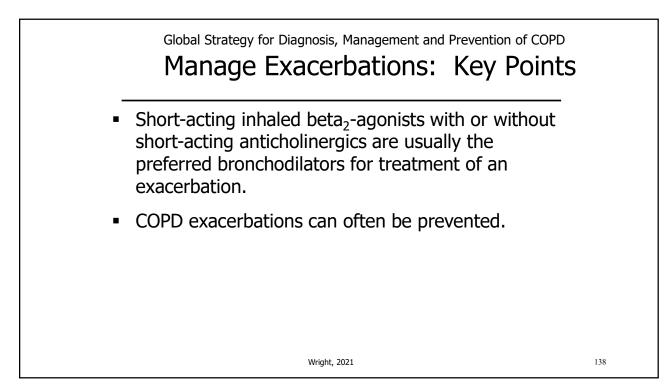


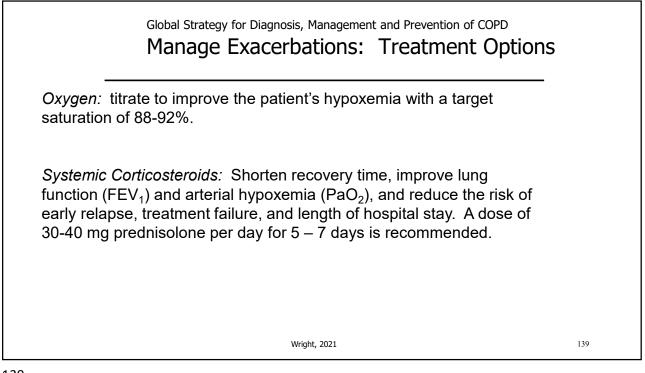


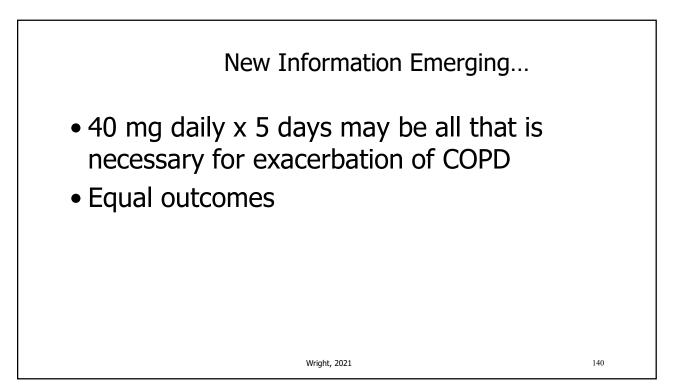


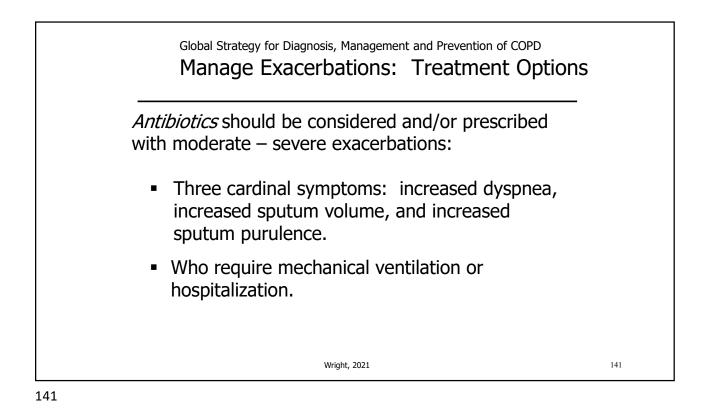












Mild to Moderate Exacerbations Antimicrobial therapy may not be indicated. If prescribed, consider spectrum of antimicrobial activity and side effects)	If prescribed, use one of the following: 1. Amoxicillin 875 mg 1 pill bid x 5 – 7 days 2. TMP-SMX DS 1 pill bid x 5 – 7 days 3. Doxycycline 100 mg 1 pill bid x 5 – 7 days 4. Cephalosporin (cefdinir, cefpodoxime, cefuroxime)
More Moderate - Severe	 <u>Use one of the following</u>: Amoxicillin-clavulanate 875 mg 1 pill
Exacerbations	bid x 5 - 7 days Cephalosporin: 2nd - 3rd generation Azithromycin or clarithromycin Respiratory fluoroquinolone
Severe: hospital admission	(moxifloxacin or levofloxacin)

