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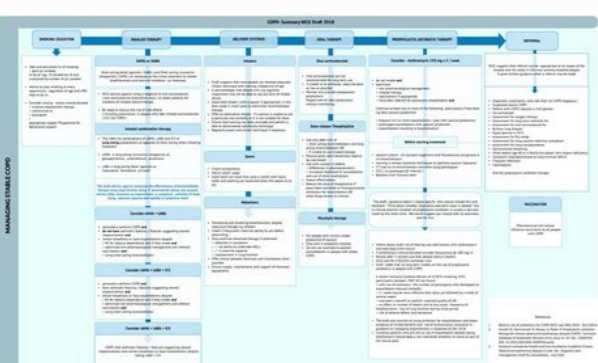
**Next**

**Differentiating COPD from asthma**

Clinical features	COPD	Asthma
Smoker or ex-smoker	Nearly all	Possibly
Symptoms under age 35	Rare	Often
Chronic productive cough	Common	Uncommon
Breathlessness	Profound and progressive	Variable
Night-time waking with breathlessness and/or wheeze	Uncommon	Common
Significant diurnal or day-to-day variability of symptoms	Uncommon	Common

**Table 1: COPD classification by symptoms/disability**

COPD stage <sup>a</sup>	Symptoms	Spirometry
At Risk (not yet COPD)	Asymptomatic smoker or ex-smoker or chronic cough/ sputum	FEV <sub>1</sub> ≥ 80% predicted FEV <sub>1</sub> / FVC ≥ 0.7
Mild	Shortness of breath from COPD with strenuous exercise or while hurrying on the level or walking up a slight hill	FEV <sub>1</sub> 60% - 79% predicted FEV <sub>1</sub> / FVC < 0.7
Moderate	Shortness of breath from COPD causing the patient to walk slower than most people of the same age on the level or stop after walking about 100 m on the level	FEV <sub>1</sub> 40% - 59% predicted FEV <sub>1</sub> / FVC < 0.7
Severe	Shortness of breath from COPD resulting in the patient too breathless to leave the house, or breathless after dressing or undressing or the presence of chronic respiratory failure or clinical signs of right heart failure	FEV <sub>1</sub> 30% - 39% predicted FEV <sub>1</sub> / FVC < 0.7
Very Severe		FEV <sub>1</sub> < 30% predicted FEV <sub>1</sub> / FVC < 0.7



**CLASSIFICATION OF AIRFLOW OBSTRUCTION IN COPD<sup>1,2</sup>**

	Postbronchodilator FEV <sub>1</sub> /FVC	FEV <sub>1</sub> % predicted
<b>Mild* (Stage 1)</b>	<0.7	≥80%
<b>Moderate (Stage 2)</b>	<0.7	50-79%
<b>Severe (Stage 2)</b>	<0.7	30-49%
<b>Very severe (Stage 2)</b>	<0.7	<30%

1. NICE CG101 (2010)  
 2. Global Initiative for Chronic Obstructive Lung Disease, GOLD (2008)  
 \* must also be symptoms to diagnose COPD (NICE)  
 \*\* or FEV<sub>1</sub><50% with respiratory failure (NICE, GOLD)

**Diagnose COPD: assessment of severity**

FEV <sub>1</sub> % predicted	FEV <sub>1</sub> / FVC	Stage
≥80	≥0.7	At Risk (not yet COPD)
60-79	<0.7	Mild
30-49	<0.7	Moderate
<30	<0.7	Very severe

Available from [www.nice.org.uk/ng115](http://www.nice.org.uk/ng115) All rights reserved. Know what investigations to offer patients All patients newly diagnosed with COPD should have a [see NG115; 1.1.15]:1 chest radiograph to exclude other pathologies full blood count in case of anaemia or polycythaemia calculation of body mass index. Know when to refer for possible lung volume reduction The evidence for lung volume reduction (LVR) surgery or endobronchial valve replacement now shows benefit in certain individuals with COPD, with improvements in lung function, exercise capacity, quality of life and long-term mortality.1 At the end of pulmonary rehabilitation and at other reviews, offer a respiratory review for surgery if all the following apply [see NG115; 1.2.88]:1 FEV<sub>1</sub>

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