

Impending Respiratory Failure at first tacchycardia then bradycardia then arrest

Drowsy and confused

Dz sat 6911.

- Thoracoabdominal movement Wheezing may be absent

Asthma Differential Diagnoses

- Vocal cord dysfunction or inducible laryngeal obstruction (ILO): paradoxical adduction of the vocal cords during inspiration, and may disappear with panting, speech, or laughing Direct laryngoscopy during symptomatic periods or after exercise
 - flow-volume loop may also suggest vocal cord dysfunction, but this is only seen in 28% of patients at baseline

The presence of flattening of the inspiratory limb of the

Asthma Workup

- Greater than 4% (blood) supports the diagnosis of asthma

Blood and sputum eosinophilia:

- Its absence does not exclude asthma
- Greater than 8% may be observed in patients with: Atopic dermatitis.
- Allergic bronchopulmonary aspergillosis. **EGPA**
- Eosinophilic pneumonia Use mepolizumab (anti-IL-5 antibody) if counts 150 cells/μL
- or an eosinophil count of 300 cells/µL within the past 12 months Adjust ICS with sputum eosinophilia

Reversibility: increase of 12% and 200 mL after the administration of a short-acting \rightarrow eight in FEV, as the administration of a short-acting

PFT:

the administration of a short-acting

* methadine challenge test > 201. decrease FEU,

* mannitol 11 1/ 1/ > 15% 1/ 1/ 1/

* Peak flow monitoring > 20% variability between morning and night

bronchodilator

- Serum Immunoglobulin E: Total serum immunoglobulin E levels greater than 100 IU are frequently observed in patients experiencing
 - allergic reactions Observed also in: (allergic bronchopulmonary)
 - aspergillosis, EGPA) Normal levels do not exclude the diagnosis of asthma
 - Elevated levels are required for chronic asthma
 - patients to be treated with omalizumab (Xolair) 1 GE+confirmed asthma

د معطو نعایه نوی و نا ب عدا م عدا م عدا م عدا م GINA 2023 guidelines: ? best next step 11 am wilm s - Add Lama GINA 2023 - Adults & adolescents -> CBC to look for easinophilia Symptom control & modifiable 12+ years and IGE to consider biological therapy Personalized asthma management Assess, Adjust, Review > look for uncontalled refly for individual patient needs Symptoms Exacerbations قورسه السلاله واليمايات وعمول Side-effects Treatment of modifiable risk factors Lung function لازم اتآله منصم مني ما الجلع and comorbidities Comorbidities Non-pharmacological strategies Patient satisfaction Asthma medications (adjust down/up/between tracks) next step 1/5 Education & skills training STEP 5 Add-on LAMA STEP 4 Refer for assessment Medium dose STEP 3 **TRACK 1: PREFERRED** of phenotype. Consider maintenance Low dose CONTROLLER and RELIEVER **STEPS 1 - 2** high dose maintenance **ICS-formoterol** maintenance Using ICS-formoterol as the ICS-formoterol, As-needed-only low dose ICS-formoterol ICS-formoterol reliever* reduces the risk of ± anti-IgE, anti-IL5/5R, exacerbations compared with anti-IL4Ra, anti-TSLP using a SABA reliever, and is a See GINA RELIEVER: As-needed low-dose ICS-formoterol* severe simpler regimen asthma guide STEP 5 Add-on LAMA STEP 4 Refer for assessment Medium/high STEP 3 of phenotype. Consider dose maintenance STEP 2 Low dose TRACK 2: Alternative high dose maintenance ICS-LABA maintenance STEP 1 Low dose **CONTROLLER** and **RELIEVER** ICS-LABA, ± anti-lgE, **ICS-LABA** Take ICS whenever maintenance ICS Before considering a regimen anti-IL5/5R, anti-IL4Ra SABA taken* with SABA reliever, check if the anti-TSLP patient is likely to adhere to daily RELIEVER: as-needed ICS-SABA*, or as-needed SABA controller treatment Add azithromycin (adults) or Other controller options (limited Low dose ICS whenever Medium dose ICS, or Add LAMA or LTRA or LTRA. As last resort consider HDM SLIT, or switch to SABA taken*, or daily LTRA. indications, or less evidence for add LTRA, or add adding low dose OCS but or add HDM SLIT high dose ICS efficacy or safety - see text) consider side-effects

Acute Exacerbation

- Short acting bronchodilators . salbytamol · Steroids hydrocortisone IV
- Heliox: 80:20 hiliam +07
- Intubation

e. DLCO

33- What is the best test used for the evaluation of the severity of an asthma attack? a. FEV1 b. FVC c. PEF d. PIF

Answer: C