Risk assessment in asthma; predictors of severe attacks

Maritime Health Seminar



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1

Asthma is a variable condition

2











1976

"These deaths might be prevented by better patient education, a self-admission service for selected asthmatics, and by doctors using objective measurements of severity of asthma for the control of treatment.

The underuse of corticosteroids is an important factor associated with death."

PAPERS AND ORIGINALS known to have occurred from this downer in the CarddT are store 1955. Here we consider the doubt that occurred befor the patient reached herebold.



NRAD 2012-13; asthma deaths

Characteristic*	
Duration of asthma (n=104)	0-62 years (median 11 years)
Age at diagnosis (n=102)	10 months-90 years (median 37 years)
Age at death (n=193)	4–97 years (median 58 years)
Severity of asthma (n=155) ¹	
Mild	14 (9%)
Moderate	76 (49%)
Severe	61 (39%)
Previous hospital admission (n=190)	90 (47%)
Accident and Emergency attendances (n=115)	40 (34%)
Intensive care admissions (n=181)	27 (15%)
Current smokers (n=193)	39 (20%)+
Psychosocial and learning disability factors (n=190)	84 (44%)
Obesity (BMI ≥30 kg·m ⁻² at most recent assessment) (n=121)	38 (31%)
Data are presented as n (%), unless otherwise stated. f: data return i data for each parameter are shown in parentheses. f: classified by cli people (under 20 years-old) were classified with mild or moderate as were exposed to smoke at work.	rom doctors was incomplete; n assessable nicians, 12 out of 28 children and young thma by their clinicians. ": a further 27 (1096)

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NRAD 2012-13



Which of the following are risk factors for asthma attacks

- a. Well controlled asthma
- b. Inadequate use of preventer (controller)
- medication
- c. Poor inhaler technique d. Excess use of SABA
- e. Previous asthma attack





14

Asthma Guidelines 2019 National Clinical Guideline First published 2003 Revision edition July 2019

Rationale

Asthma is common, with significant morbidity and mortality Some of the above relates to poor management or preventative approaches

Formats

Hardcopy Online Patient versions available

15



















Asthma Guidelines 2019

1. Asthma Severity and symptoms Recommends exclusion of various categories; severe childhood, moderate or severe adult asthma

2. Recruitment age and past experience leading to 3 and 4

3. Permits acceptance of stable asthma

4. Permits acceptance of stable exercise induced asthma

5. Permits acceptance of certain stable moderate asthmatics

25



Frequent SABA and infrequent inhaled steroids Older age Female Reduced lung function Obesity Tobacco smoke exposure

Depression

)PD

Asthma caused by work Based only on longitudinal, population based studies Reporting incidence Occupational risk factors 9 studies Incident asthma PAF 16% [95% CI 10-22] [similar to previous estimate] Limited data upon which to draw inference

26

COPD caused by work Based on 7 reviews, 2 metanalyses and 48 papers longitudinal, population based studies Population based or case control studies, occupational risk factors, LLN defined and JEM exposure attribution favoured. Varying smoking strata.

[28 estimates, 26 studies, similar to previous estimates]

Never smoker COPD PAF 31% [95 Cl 18-43] [6 studies]

27





