Setting up Allergy & Asthma Services

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Introduction

• Aim is to offer quality integrated and evidence based care services
  • Allergy diagnosis
  • Treatment
  • Allergen avoidance measures
  • Allergy education
  • Patient advocacy
• Both in and out patient
Spectrum of allergies in children

- Atopic Eczema
- Food Allergy
- Asthma
- Urticaria / angioedema
- Allergic rhinitis & conjunctivitis
- Hymenoptera stings
- Drug hypersensitivity reactions
Requirements

- Human resource
  - Allergy specialist
  - Nurse trained in allergy
  - Lung technician
  - Dietician trained in allergy
Equipment

- Anthropometry
- Vital signs – Temp, HR, BP, Saturations
- Peak flowmeter
- Spirometry
- Spacers, inhalers, training epipens
- Reagents for SPT,
- Microscale for OFC
- Fridge – SPT reagents, fresh foods, biologicals, SIT
- Crash cart
Physical space

- Ideally near casualty or ICU
  - Triage room
  - Consulting rooms
  - Challenge room
  - Treatment room
Protocols

Guidelines from

• Word Allergy Organization (WAO)
• European Academy of Allergy & Clinical Immunology (EAACI)
• American Academy of Allergy Asthma & Immunology (AAAAI)
• American College of Allergy Asthma & Immunology (ACAAI)
• Australasian Society of Clinical Immunology & Asthma (ASCAI)
Referral system

- Patients requiring multidisciplinary care
  - Dietetics
    - Pulmonology
    - Gastroenterology
    - ENT
    - Ophthalmology
    - Dermatology
    - Rheumatology
    - Infectious disease
Challenges

• Knowledge and Skills
  • Number of specialists
  • Inadequate training at MMed level
  • Limited knowledge in practicing pediatricians
  • Dieticians specialized in allergy

• Allergy testing
  • Cost of tests
  • Range of tests available
Challenges 2

• Evidence
  • Allergy prevalence rates
  • Locally relevant allergens
What is feasible at county level

- Mild- moderate asthma
- Mild to moderate AR/ Conjunctivitis
- Mild to moderate atopic eczema
- Chronic urticaria with angioedema
- Anaphylaxis
SAVE THE DATE

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4. Immune dysregulation disorders and the Gastrointestinal system.
5. Immune dysregulation disorders and the Eye.
7. Hot topics in Allergy and the immune system.

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