

Cases for students

Allergic and pulmonary diseases children 0-18 years



Questions for students



Tasks for students in relation to the case

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For the small group sessions, I suggest you prepare a 5-10 min presentation based upon one case.

Each small-group session could include 2 cases (up to one hour each); suggest one case from Cases 1-3 and one case from cases 4-9.



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Case 1

Patient: Jenny 18 months of age

Setting: primary care office

Case 1 *Jenny 18 month old*

Mom comes to your primary care office in February with 18 month-old Jenny.

Mom does not know what to do anymore, as Jenny is “sick all the time”. She has coughed more or less continuously for the last 6 months, often with wheezing. Her nose is always runny. She tends to have fever periodically, but not very high and not very long.

Mom reports that apart from mild atopic eczema when she was younger, Jenny was healthy until about August the previous year.



How would proceed from here?

What may be the underlying diff. diagnoses?

What information do you need to sort out possible causes

How would you manage this case?

Case 1 *Jenny 18 month old*

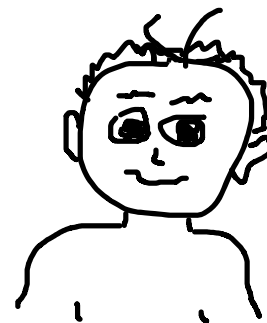


Student tasks:

Outline differential diagnoses. For each diff diagnosis, provide a brief outline of

- information you need for strengthening/reducing you suspicion
- relevant investigations
- Appropriate management

Case 2



Patient: Oliver 25 months of age

Setting: outpatient clinic local hospital

Case 2 *Oliver 25 months of age*



Outpatient clinic dpt of paediatrics February

Referred for consideration of asthma

Last 12 months 4-5 episodes «common colds» with coughing & wheezing
Fine in the summer months.

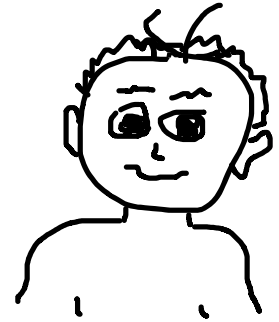
Typical episode: runny nose 1–2 days, some wheezing for 3-4 days, followed by prolonged coughing for 3-4 weeks.

Last 2 months, salbutamol MDI/spacer; some effect, used 2-3 days per week

- Mild eczema from 3 months, breastfed to 11 months.
- Normal growth and psycho-motor development.
- Kindergarten from 12 months
- Generally well until 13 months of age
- Mother: allergic rhinitis, father eczema as a child, a 6-month old brother

Case 2

Oliver 25 months of age



- Does Oliver have asthma?
- Do you need further information?
- What will be your suggested management?

Case 2 *Oliver 25 months of age*



Student tasks:



Outline arguments pro-con Oliver having asthma

Outline your management;

- therapeutic
- General advice
- follow-up and
- Monitoring/adjustment of therapy

Case 3



Patient: Noah 6 months of age

Setting: primary care office

Case 3 *Noah 6 months of age*



Mum asks for emergency consultation in your office.

Noah is not well, he tends to cough, even more than his brother, and he has now had a fever (38.2 °C) for the last 2 days. Additionally, the well-baby nurse asked mum 3 weeks ago to come for weekly weighing.

He was born at term by normal vaginal delivery, BWt 3.56 kg.

Family history: Oliver (Case 2) is his older brother.

He is awake and alert in Mum's arm, but becomes unhappy and cries after coughing.

Case 3

Noah 6 months of age



- What may be the cause of Noah's respiratory problems?
- How would you proceed to help Noah?

Case 3 *Noah 6 months of age*



Student tasks:



Outline

- Differential diagnoses for Noah's respiratory symptoms
- Clinical signs you will particularly look for (hint: think diff. diagnoses)
- Relevant investigations and further management

Cases 4-8

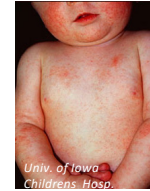
Patients (1/2, 3, 7, 12, 16 years of age)

Setting: primary care office

Cases 4-8

Case:

- 4. 6 mo. old infant, severe eczema not responding to skin treatment**
- 5. 3-yr old child, tummy ache after many meals, episodic flare-ups of atopic eczema**
- 6. 7-year old, violent vomiting, urticaria and coughing after a meal in an Indian restaurant**
- 7. 12-year old, recent birch pollen allergy, oral itch when eating apples, raw carrots and peanuts**
- 8. 16-year old, sudden collapse 15 minutes into a running race, confused, tired & swelling of the lips and eyes**



Cases 4-8



How you would approach the patient?
What are the likely causes
What are potential differential diagnosis



Cases 4-8



Student tasks:

For the case(s) you choose

Outline differential diagnoses.

For each diff diagnosis, provide a brief outline of

- information you need to strengthen/lessen your suspicion
- relevant investigations
- Appropriate management

