

SUPPLEMENTARY MATERIAL

Supplementary File 1. Survey

On behalf of the Paediatric Allergy Committee the Spanish Allergy and Clinical immunology Society. Anaphylaxis Interest Group (Grupo de Trabajo de Anafilaxia. Comité de Alergia Infantil de SEAIC)

National Survey for Paediatric Emergency Department nurses performing triage duties and /or physicians who resolve questions regarding paediatric triage

General questions

- 1. Do you work in a public or private hospital?**
 - a. Public
 - b. Private

- 2. Which is your hospital's category?**
 - a. First level
 - b. Second level
 - c. Third level

- 3. Is there a specific Paediatric Emergency Service?**
 - a. Yes
 - b. No

- 4. Who attends paediatric emergency consultations?**
 - a. Paediatricians
 - b. Family medicine
 - c. Other specialists
 - d. Paediatricians, family doctors and other specialists

- 5. Which health professional performs triage tasks in Paediatric emergencies?**
 - a. Nurse
 - b. Physician
 - c. Other (detail)

- 6. Which Paediatric Triage system is used in your hospital?**
 - a. Andorra/Spanish Triage system
 - b. Manchester Triage System
 - c. Canadian Paediatric Triage System
 - d. Others (detail)
 - e. Own adaptations (detail original system)

- 7. What priority does the patient with anaphylaxis receive in paediatric emergencies according to the triage system applied in your Center?**
- Priority I
 - Priority II
 - Priority III
 - Priority IV
 - Priority V
- 8. What priority does the patient with urticaria or angioedema receive in paediatric emergencies according to the triage system applied in your Center?**
- Priority I
 - Priority II
 - Priority III
 - Priority IV
 - Priority V
- 9. Is dynamic triage performed?**
- Yes
 - No
- 10. Is the Paediatric Assessment Triangle routinely used in triage?**
- Yes
 - No
- 11. Are vital signs taken during triage?**
- Yes
 - No
 - Sometimes
- 12. What equipment does the triage room have?**
- Tensiometer
 - Pulse oximeter
 - Thermometer
 - All the above
- 13. How long does it take on average from the time a child with an anaphylactic reaction arrives at emergency triage until receiving medical attention?**
- Immediate attention
 - 15 minutes
 - 30 minutes
 - 60 minutes
 - 120 minutes
- 14. How long on average does it take from when a child with hives or angioedema arrives at emergency triage until receiving medical attention?**
- 15 minutes

- b. 30 minutes
- c. 60 minutes
- d. 120 minutes

15. Is the patient asked about a history of known allergies in triage?

- a. Yes
- b. No
- c. Sometimes

16. Are the patients asked about the use of medication administered before arriving at the emergency room in triage: antihistamines, corticosteroids or self-injectable adrenaline devices?

- a. Yes
- b. No
- c. Sometimes

17. It is possible to administer any medication to children who arrive with urticaria/angioedema during triage?

- a. Yes
- b. No

18. Where does a patient with anaphylaxis wait to be treated?

- a. Waiting Room
- b. Consult
- c. Resuscitation box
- d. Another specific location at my hospital

19. Where is a patient with anaphylaxis treated?

- a. Consultation area
- b. Resuscitation Box
- c. Intensive Care Unit
- d. Another specific location at my hospital (detail)

20. Are training courses on anaphylaxis provided for personnel in charge of triage in paediatric emergencies?

- a. Yes
- b. No

21. Are anaphylaxis training courses provided to emergency physicians/emergency paediatricians?

- a. Yes
- b. No

22. Are triage-training courses provided to doctors who are/work in the emergency room?

- a. Yes
- b. No

23. Are there any reviews, analysis and error detection carried out periodically in paediatric emergency triage to verify the proper functioning of the system?

- a. Yes
- b. No

Specific questions regarding prior experience or individual training

24. Name your work place

25. Previous experience in Paediatrics

- a. Yes/No
- b. Duration (months, years)

26. Previous experience in Emergency

- a. Yes/No
- b. Duration (months, years)

27. Did you receive specific training in triage?

- a. Yes
- b. No

28. If last answer was affirmative, what type of training?

- a. Only a talk
- b. Specific training course
- c. Recommended book

29. Do you perform triage duties currently?

- a. Yes
- b. No

30. Have you received specific training in anaphylaxis?

- a. Yes
- b. No
- c. I don't remember

Case Simulation

Next, we will propose you a series of real clinical cases of children who have attended the emergency room and we will ask you to carry out the Triage procedure as it is performed in your Work Center.

PATIENT NUMBER 1:

A 9-year-old boy, attends to the emergency room with his parents and tells us the following: “He ate stuffing and had an allergic reaction. He used is ALTELLUS®. He is now asymptomatic. Allergies: yes”.

Step 1: Paediatric Assessment Triangle (PAT): stable

Step 2: Normal vital signs

31. Which priority should this child receive according to PAT results?

- a. I
- b. II
- c. III
- d. IV
- e. V

32. Which priority would you give to this child?

- a. I
- b. II
- c. III
- d. IV
- e. V

33. Where should this child wait to receive medical attention?

- a. Waiting room
- b. Treatment room
- c. Immediate attention in Resuscitation Box or priority consults
- d. A specific location at my emergency room (detail)

PATIENT NUMBER 2:

A child of 2 years is transferred in ambulance from a health center after treatment of an “allergic reaction”. Health care transfer personal tell us the following: 4 puff of albuterol, intramuscular epinephrine were given at the health center before our arrival. Past allergies: yes.

Step 1: Paediatric Assessment Triangle (PAT): stable

Step 2: Normal vital signs

34. Which priority should this child receive according to PAT results?

- a. I
- b. II
- c. III
- d. IV
- e. V

35. Which priority would you give to this child?

- a. I
- b. II
- c. III
- d. IV
- e. V

36. Where should this child wait to receive medical attention?

- a. Waiting room
- b. Treatment room
- c. Immediate attention in Resuscitation Box or priority consults
- d. A specific location at my emergency room (detail)

PATIENT NUMBER 3:

An 11-year-old girl arrives accompanied by her mother. They report “she ate peanuts at 6 p.m. Now stinging rash on face, trunk and back” When asked about previous allergies they say, “yes, to nuts and fruits”.

Step 1: Paediatric Assessment Triangle (PAT): stable

Step 2: Normal vital signs

37. Which priority should this child receive according to PAT results?

- a. I
- b. II
- c. III
- d. IV
- e. V

38. Which priority would you give to this child?

- a. I
- b. II
- c. III
- d. IV
- e. V

39. Where should this child wait to receive medical attention?

- a. Waiting room
- b. Treatment room
- c. Immediate attention in Resuscitation Box or priority consults
- d. A specific location at my emergency room (detail)

PATIENT NUMBER 4:

A 14-year-old boy comes with his mother, who is worried. They comment that “Vomiting and diarrhea have occurred since Friday. Fever. Allergic to milk, has an auto-injector. He ate pizza at the beginning of his symptoms.

Step 1: Paediatric Assessment Triangle (PAT): stable

Step 2: Normal vital signs

40. Which priority should this child receive according to PAT results?

- a. I
- b. II
- c. III
- d. IV
- e. V

41. Which priority would you give to this child?

- a. I
- b. II
- c. III
- d. IV
- e. V

42. Where should this child wait to receive medical attention?

- a. Waiting room
- b. Treatment room
- c. Immediate attention in Resuscitation Box or priority consults
- d. A specific location at my emergency room (detail)

PATIENT NUMBER 5:

His parents, in a private car due to “allergy” bring an 11-year-old boy. They carry him in their arms with a bad appearance, in obvious respiratory distress.

Step 1: PAT: unstable

Step 2: Vital signs: Evident tachypnea, tachycardia, normal blood pressure

43. Which priority should this child receive according to PAT results?

- a. I
- b. II
- c. III
- d. IV
- e. V

44. Which priority would you give to this child?

- a. I
- b. II

- c. III
- d. IV
- e. V

45. Where should this child wait to receive medical attention?

- a. Waiting room
- b. Treatment room
- c. Immediate attention in Resuscitation Box or priority consults
- d. A specific location at my emergency room (detail)

Accepted Article