Anaphylaxis

Et tu Brute?

Roselynn Gentles MD

- https://youtu.be/SdDPoFcBZEY

Definition



Anaphylaxis

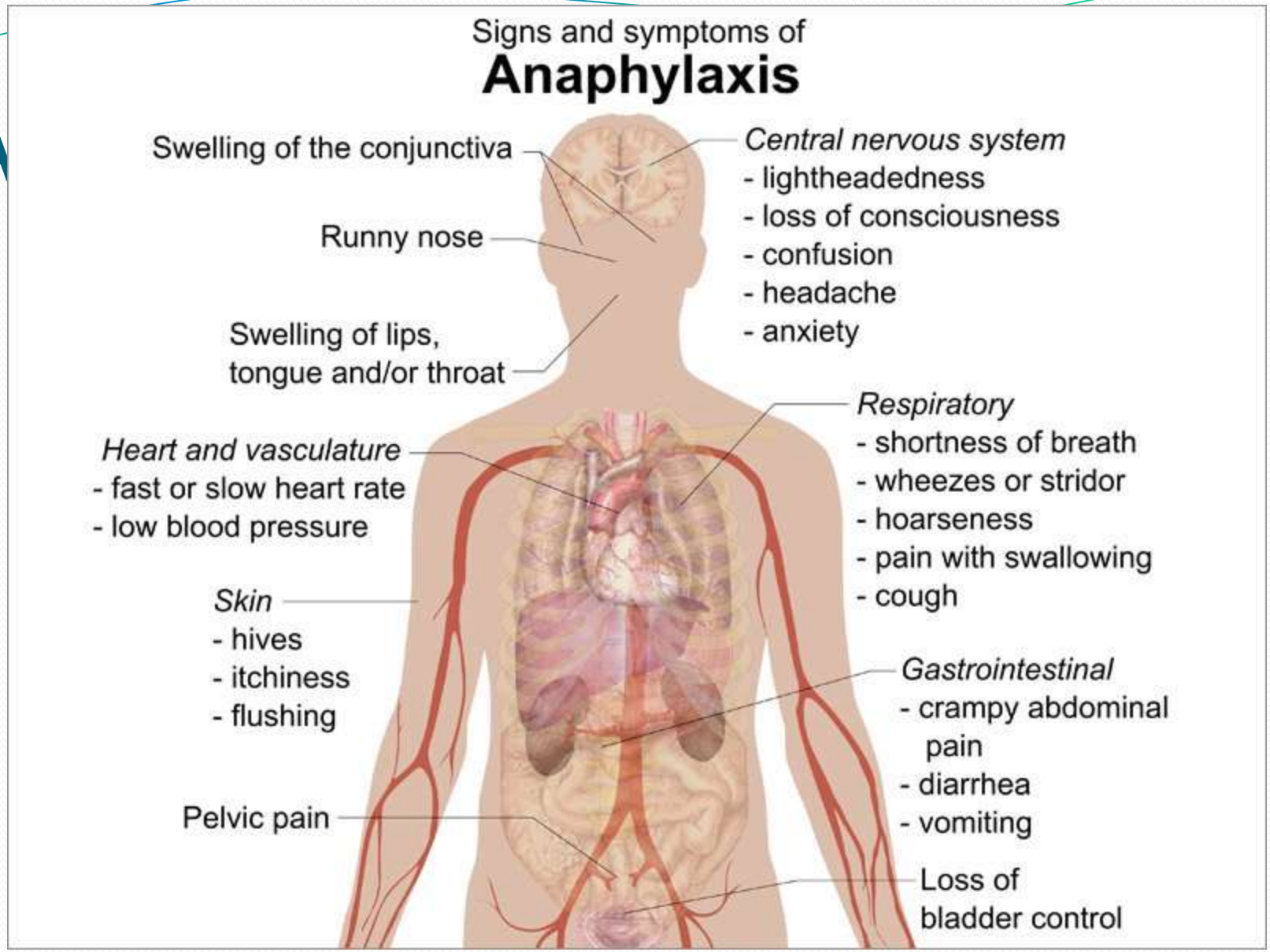
-Allergy





-Anaphylactic shock

A



https://www.medscape.com/viewarticle/835786

The forgotten symptom





https://www.stockunlimited.com/vector-illustration/boy-vomiting_1956701.html
https://www.dogsnaturallymagazine.com/is-your-dog-vomiting-heres-how-to-manage-it/

Triggers



https://www.medicalnewstoday.com/articles/8624.php

Less common triggers













https://www.treehugger.com/animals/do-insects-have-consciousness.html
https://blogs.plos.org/publichealth/2014/11/05/red-meat/

https://www.usatoday.com/story/news/nation-now/2018/06/28/cdc-report-only-23-americans-get-enough-exercise/741433002/
https://www.savage-wear.com/en/gents/latex-tops/sleeveless/321-sparta-latex-top.html#/size-m/color_1-normal_black_0_35mm/color_2-normal_dark_cherry_red_0_35mm/color_3-pearlshee
https://www.medicaldaily.com/sperm-count-test-guys-should-avoid-these-6-things-are-destroying-their-sperm-286504
https://www.usatoday.com/story/news/nation-now/2017/06/21/lone-star-tick-bites-can-cause-rare-meat-allergy-some-people/415809001/

Treatment









http://www.emsstuff.com/epinephrine-1mg-vial-anaphylaxis/
http://www.lifemedsafety.com/certa-dose-epinephrine-convenience-kit/

https://www.britannica.com/science/epinephrine/media/190049/232382
https://www.wric.com/news/fda-epinephrine-in-short-supply/1093644296

Epi video

- https://www.facebook.com/wildmedadventures/videos/642598582860756/

Rebound



Cases

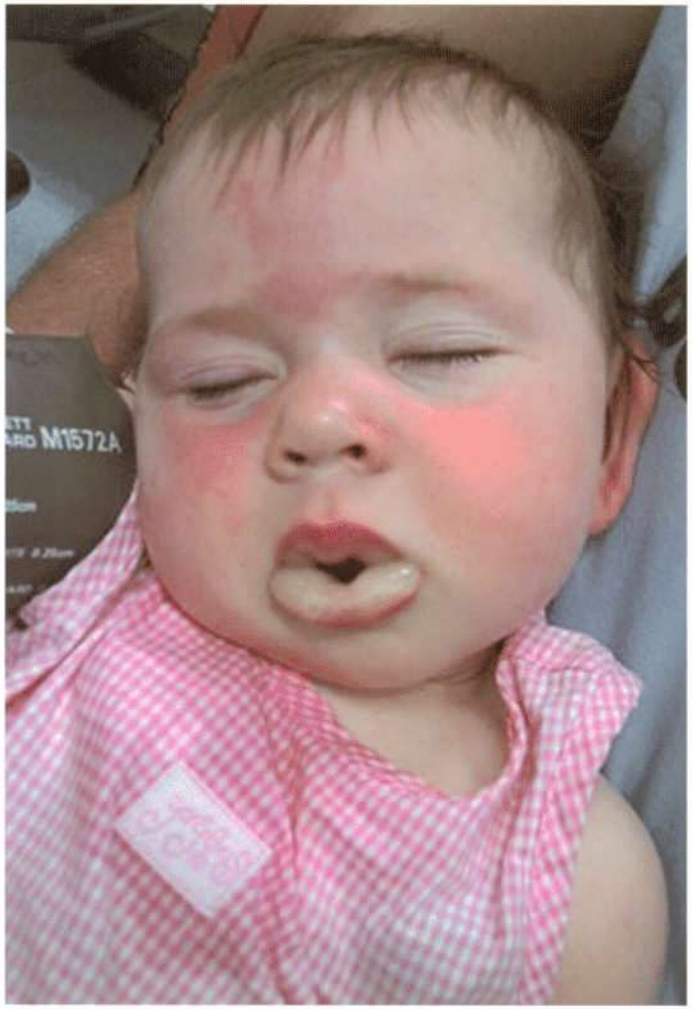
- 5 month old presents to ED via POV with mom screaming in lobby about baby choking
- Infant limp, struggling to breathe, flushed face and cold arms
- Quick look shows no FB
- Calmed mom down enough to hear child had been fine before being out of sight for a minute with toddler sibling. Mom assumed toddler had given baby something when she found him choking. Had already tried to remove any FB

- No FB visualized…look with Miller???

- Abrupt onset
- Red face
- Cold arms
- Airway distress

Infant Anaphylaxis

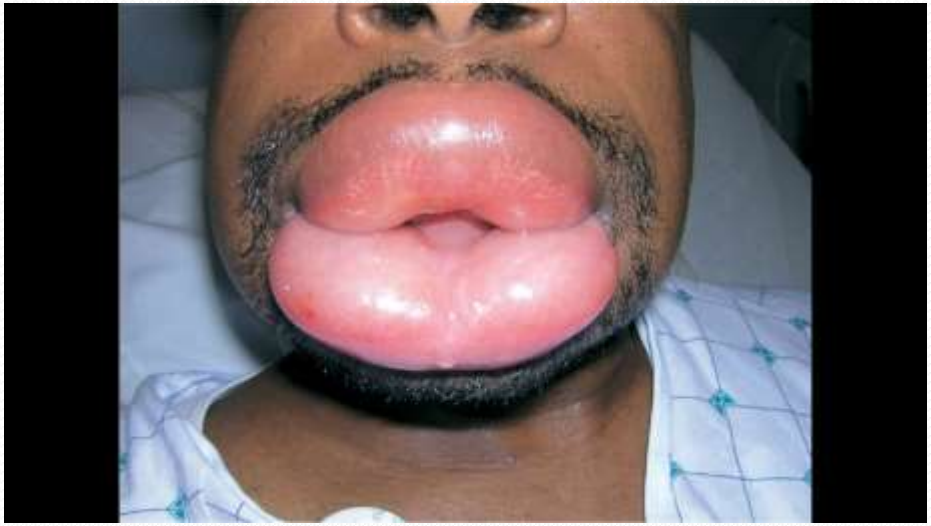
- Had presented to UC last month with a brief rash/vomiting episode
- Given epinephrine, immediate response, started crying and peripheral pulses returned within minutes



https://nabilsamirn.wordpress.com/what-does-anaphylaxis-look-like/

Mimics





https://www.google.com/search?q=angioedema&rlz=1C1GGRV_enUS808US817&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj3hp6i
fgAhUIvZ4KHZmXAzEQ_AUIDigB&biw=1920&bih=938#imgrc=alTKgywxqfEkFM:

https://www.google.com/search?q=angioedema&rlz=1C1GGRV_enUS808US817&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj3hp6i
fgAhUIvZ4KHZmXAzEQ_AUIDigB&biw=1920&bih=938#imgrc=B7kdK9v2QZSB8M:

References

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- Gentles, Mellick, Disease Presentations of the Uvula, AHC Relias Media, 2013
- Kalambay, J et al. Pathogenesis of Drug Induced Non-allergic Angioedema: A Review of Unusual Etiologies. Cureus 9(8) e1598DOI10.7759
- Grunau BE et al. Incidence of Clinically Important Biphasic Reactions in Emergency Department Patients With Allergic Reactions or Anaphylaxis. Ann Emerg Med. 2013 Nov 13. pii: S0196-0644(13)01536-9.
- Lieberman PL. Recognition and first line treatment of anaphylaxis. Am J Med. 2014 Jan; 127 (1 Suppl): S6-11
- Mason, Pensa. Exercise Induced Asthma, EMRAP October 2018