

# Asthma, Anaphylaxis and Adrenaline

H.D.Solomons

P.O.Box 64203, Highlands North, 2037. South Africa.

**\*Corresponding Author:** H.D.Solomons, P.O.Box 64203, Highlands North, 2037. South Africa.

**Received date: January 17, 2023; Accepted date: May 05, 2023; Published date: August 10, 2023**

**Citation:** H.D.Solomons, (2023), Asthma, Anaphylaxis and Adrenaline, *International Journal of Clinical Therapeutics*, 2(4);

**DOI:**10.31579/2834-5010/022

**Copyright:** © 2023, H.D.Solomons. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

## Abstract

The article gives an in depth view of how aliquots of adrenaline can be used in the treatment of anaphylaxis and asthma.

The bronchospasm in asthma and anaphylaxis is similar.

The adrenaline or epinephrine is a sympathomimetic agent and reverses the bronchospasm.

Thus the treatment of asthma and anaphylaxis is aliquots of adrelin in saline.

**Keywords:** asthma; oxygen; breathing

The article describes the use of adrenaline in the treatment of anaphylaxis and asthma.

The article gives an in depth view of how aliquots of adrenaline can be used in the treatment of anaphylaxis and asthma.

The bronchospasm in asthma and anaphylaxis is similar.

The adrenaline or epinephrine is a sympathomimetic agent and reverses the bronchospasm.

Thus the treatment of asthma and anaphylaxis is aliquots of adrelin in saline.

Adrenaline (epinephrine) intramuscularly (IM) in the anterolateral aspect of the middle third of the thigh (safe, easy effective);

Rapid assessment;

Airways; look for and relieve airway obstruction; call for help early if there are signs of obstruction.

Remove any traces of allergen remaining (eg, nut fragments, caught in teeth, with a mouthwash; bee stings without compressing any venom sacs.)

Breathing; look for and treat bronchospasm and signs of respiratory distress.

Circulation; colour, pulse or BP.

Disability; assess whether responding or unconscious.

Exposure; assess skin with adequate exposure, but avoid excess heat loss.

Always give oxygen and lay the patient flat.

Adult IM dose 0.5mg IM.

Child IM dose 1;1000 adrenaline

- 12 years 0,5 mgs IM
- 6-12 years 0,3 ml
- < 6 years 0,15 mls
- IM adrenaline should be repeated after 5 minutes
- Either IM or intravascularly!

Intravenous adrenalin (epinephrine) should only be administered by those with the necessary training and experience; such as anaesthetists, intensivist and emergency department physicians. It can be administered as a bolus dose or an infusion.

Patients requiring repeat bolus dosing should commence an infusion of adrenaline (epinephrine.)

Half doses of adrenaline (epinephrine) may be safer for patients on amitriptyline, imipramine, monoamine-oxidase inhibitors (MAOI) or beta-blocker!

**Ready to submit your research? Choose ClinicSearch and benefit from:**

- fast, convenient online submission
- rigorous peer review by experienced research in your field
- rapid publication on acceptance
- authors retain copyrights
- unique DOI for all articles
- immediate, unrestricted online access

**At ClinicSearch, research is always in progress.**

Learn more <https://clinicsearchonline.org/journals/international-journal-of-clinical-therapeutics>



© The Author(s) 2024. **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.