

Spider Bites & Scorpion Stings, an Emergency Medical Services Perspective

presented 26th March 2025

Jonathan is Southern Africa's leading authority on spider bites and scorpion stings. He is a best selling author, international speaker and award-winning conservationist. Jonathan consults for poison information helplines, medical organisations and academic institutions, and speaks and is a panel member at medical conferences. His work has inspired a generation, and has shaped our understanding of spider bites and scorpion stings across southern Africa.

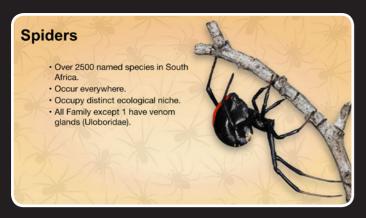


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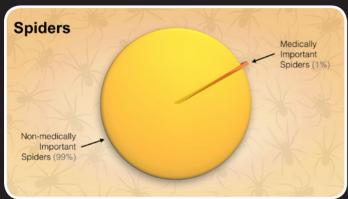
































Management Button Spider Bites · Avoid opioids & benzodiazepines (may worsen respiratory depression). • Latrodectus antivenom (5-10 ml IV –) 1-2 ampoules) if systemic symptoms present; be prepared for anaphylaxis. Do not give IM adrenaline prophylactically (worsens autonomic effects). · Observe asymptomatic patients for 6 hours post-













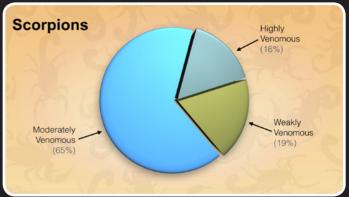


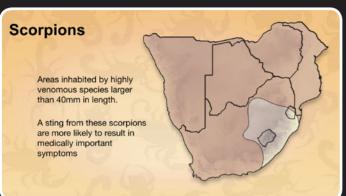




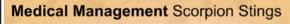












- · Avoid atropine for secretions worsens tachycardia.
- · Tetanus prophylaxis (if >5 years since last dose).
- Pain relief: Paracetamol; IV calcium gluconate (muscle cramps).
- · No alcohol post-envenomation.
- Monitor: Cardiac dysrhythmias & pancreatitis development.

Patients should be hospitalized, and special care should be taken with children, with admissions for at least 12 hours post sting in asymptomatic children.















Thank You!

A big thank you for attending my online presentation on the 26th March 2025. I hope it developed a deeper understanding and sparked an interest for venomous animal bites and stings. I mentioned some links to further resources during my presentation. Please see below for these links.

- Spider bite & scorpion sting resources https://scorpions.co.za/eswatini/
- Spdier bite & scorpion sting best practices https://scorpions.co.za/snakebite-resources/
- FREE online Essential Scorpion Sting First Response Short course https://scorpions.co.za/scorpion-sting-first-response-short-course/
- Essential Scorpion Sting Flrst Response Book overview and resources https://scorpions.co.za/scorpion-sting-first-response-book/

I would love to hear your comments. Please send them to lnfo@JonathanLeeming.com

