

# Dyshemoglobinemias

Brenna M. Farmer

Lewis S. Nelson

## REFERENCES

1. Percy MJ, McFerran NV, Lappin TR: Disorders of oxidised haemoglobin. *Blood Rev* 19: 61, 2005. [PMID: 15603910]
2. Umbreit J: Methemoglobin—it's not just blue: a concise review. *Am J Hematol* 82: 134, 2007. [PMID: 16986127]
3. Guay J: Methemoglobinemia related to local anesthetics: a summary of 242 episodes. *Anesth Analg* 108: 837, 2009. [PMID: 19224791]
4. Khan R, Kuppaswamy BS: Cetacaine induced methemoglobinemia: overview of analysis and treatment strategies. *WV Med J* 109: 24, 2013. [PMID: 23798277]
5. Taleb M, Ashraf Z, Valavoor S, Tinkel J: Evaluation and management of acquired methemoglobinemia associated with topical benzocaine use. *Am J Cardiovasc Drugs* 13: 325, 2013. [PMID: 23696166]
6. Barclay JA, Ziembra SE, Ibrahim RB: Dapsone-induced methemoglobinemia: a primer for clinicians. *Ann Pharmacother* 45: 1103, 2011. [PMID: 21852596]
7. Bradberry SM, Aw TC, Williams NR, Vale JA: Occupational methaemoglobinemia. *Occup Environ Med* 58: 611, 2001. [PMID: 11511749]
8. Pollack ES, Pollack CV: Incidence of subclinical methemoglobinemia in infants with diarrhea. *Ann Emerg Med* 24: 652, 1994. [PMID: 8092592]
9. Skold A, Cosco DL, Klein R: Methemoglobinemia: pathogenesis, diagnosis, and management. *South Med J* 104: 757, 2011. [PMID: 22024786]
10. Henretig FM, Gribetz B, Kearney T, et al: Interpretation of color change in blood with varying degree of methemoglobinemia. *J Toxicol Clin Toxicol* 26: 293, 1988. [PMID: 3193485]
11. Chan ED, Chan MM, Chan MM: Pulse oximetry: understanding its basic principles facilitates appreciation of its limitations. *Respir Med* 107: 789, 2013. [PMID: 23490227]
12. Feiner JR, Bickler PE, Mannheimer PD: Accuracy of methemoglobin detection by pulse CO-oximetry during hypoxia. *Anesth Analg* 111: 143, 2010. [PMID: 20007731]
13. Feiner JR, Bickler PE: Improved accuracy of methemoglobin detection by pulse CO-oximetry during hypoxia. *Anesth Analg* 111: 1160, 2010. [PMID: 20841412]
14. Ng BK, Cameron AJ: The role of methylene blue in serotonin syndrome: a systematic review. *Psychosomatics* 51: 194, 2010. [PMID: 20484716]
15. Harangi M, Matyus J, Nagy E, et al: Identification of sulfhemoglobinemia after surgical polypectomy. *Clin Toxicol (Phila)* 45: 189, 2007. [PMID: 17364641]
16. Gopalachar AS, Bowie VL, Bharadwaj P: Phenazopyridine-induced sulfhemoglobinemia. *Ann Pharmacother* 39: 1128, 2005. [PMID: 15886294]
17. Kermani TA, Pislaru SV, Osborn TG: Acrocyanosis from phenazopyridine-induced sulfhemoglobinemia mistaken for Raynaud phenomenon. *J Clin Rheumatol* 15: 127, 2009. [PMID: 19300288]
18. Policastro MA, Otten EJ: Case files of the University of Cincinnati fellowship in medical toxicology: two patients with acute lethal occupational exposure to hydrogen sulfide. *J Med Toxicol* 3: 73, 2007. [PMID: 18072164]
19. Noor M, Beutler E: Acquired sulfhemoglobinemia. An underreported diagnosis? *West J Med* 169: 386, 1998. [PMID: 9866446]
20. Aravindhan N, Chisholm DG: Sulfhemoglobinemia presenting as pulse oximetry desaturation. *Anesthesiology* 93: 883, 2000. [PMID: 10969324]
21. Demedts P, Wauters A, Wattle M, Neels H: Pitfalls in discriminating sulfhemoglobin from methemoglobin. *Clin Chem* 43: 1098, 1997. [PMID: 9191578]

## USEFUL WEB RESOURCES

- Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention. Management guidelines for aniline exposure, 2011—<http://www.atsdr.cdc.gov/mmg/mmg.asp?id=448&tid=79>
- U.S. Food and Drug Administration. FDA Drug Safety Communication: Serious CNS reactions possible when methylene blue is given to patients taking certain psychiatric medications—<http://www.fda.gov/Drugs/DrugSafety/ucm263190.htm>