



POISONING, SNAKE BITES, BEE STINGS, DRUG OVERDOSE

Emergency and Critical Care



Objectives

- Describe sign and symptoms, management of the patient with Steven Johnson's syndrome and Drug Overdose.



Steven Johnson Syndrome

- Read Cooper, K.L. (2012). Drug Reaction, Skin Care, Skin Loss. *Critical Care Nurse* 32: 52-59.
 - Define Steven Johnson Syndrome
 - List Priorities of nursing care



Steven-Johnson Syndrome

- Necrosis of epidermal cells from a drug reaction
 - Skin
 - GI tract
 - Eye
 - GU system
 - Tracheobronchial tree
- Easy to misdiagnose
- Diagnostic testing
 - Allergy patch
 - Skin biopsy
- Common medications
 - Allopurinol
 - Antibiotics
 - Anticonvulsants
 - Antiviral
 - Carvedilol
 - Cimetidine
 - Clofibrate
 - Mefloquine
 - NSAID's



Steven-Johnson Syndrome

- Potentially fatal
- Treatment
 - Discontinue causative medications
 - Supportive treatment
 - Maintain ABC
 - Prevent infection and sepsis
 - Ensure nutrition to promote wound healing
 - Replace fluid and electrolytes
 - Control environment
 - Wound care
 - Pain management



Local Event

- The Malay woman, after taking Flutulang, developed a rash on her neck and thighs, which progressed to toxic epidermal necrolysis — a life-threatening skin reaction characterized by widespread blistering or peeling of the skin due to separation of the skin's top layer from its lower layers.



<http://jakartaglobe.beritasatu.com/archive/singaporean-woman-dies-after-taking-herbal-drug-from-indonesia/>



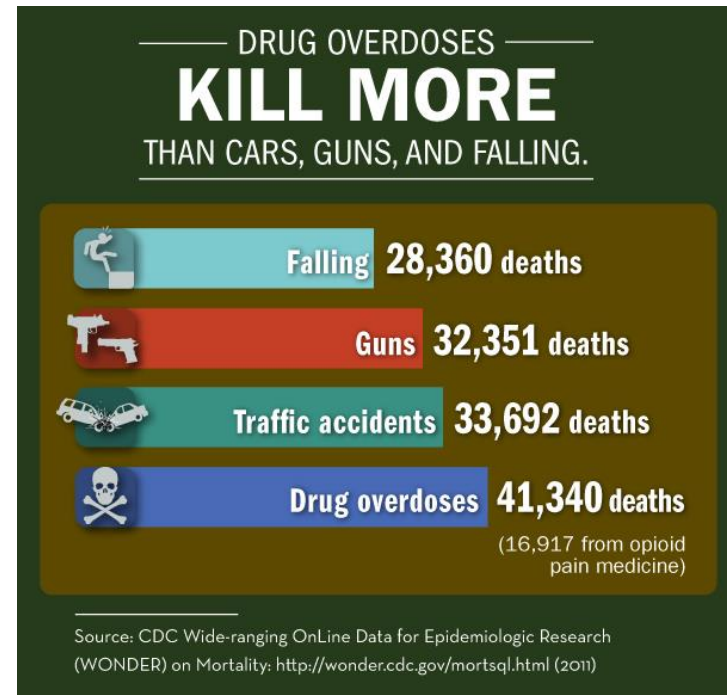
Drug Overdose

Sign and Symptoms:

Dizziness, diarrhea, nausea vomiting, hallucination, short of breath, pinpoint pupils (opioid overdose), coma

Reasons for overdose:

- accidental
- intentional misuse



Drug Overdose

Assessment:

- ABC's
- Primary and secondary survey
- History taking : SAMPLE/KOMPAK
- Diagnostic: Blood test, toxicity level

Nursing problem: ABC's, based on symptoms

Nursing Management:

Collaboration -> Oxygen, gastric lavage, HD, Naloxone



References

- American red cross. (2017). Poisoning Safety & First Aid retrieved from <http://www.redcross.org/get-help/how-to-prepare-for-emergencies/types-of-emergencies/poisoning>
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- http://www.who.int/ipcs/publications/training_poisons/guidelines_poison_control/en/index3.html
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- <https://www.betterhealth.vic.gov.au/health/healthyliving/drug-overdose>

