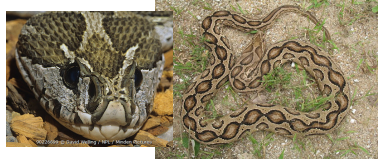


Identification Of Medically Important Land Snakes In Sri Lanka



Russell's viper (*Daboia russellii*)

- Inverted "V" shaped mark at dorsal head
- 3 longitudinal rows of dark brown oval patches along the body



Saw-scaled viper (*Echis carinatus*)

- Bird foot mark in the dorsal head
- Saw scaled brownish snake



Cobra (*Naja naja*)

- Expandable hood with 2 black spots in ventral side, dorsal side with spectacle marking
- No enlarged hexagonal vertebral scales
- Subcaudals divided



Common krait (*Bungarus caeruleus*)

- Enlarged Hexagonal vertebral scale
- Shiny black dorsum with narrow paired white bands with white ventral side



Ceylon krait (*Bungarus ceylonicus*)

- Enlarged Hexagonal vertebral scale
- Shiny black dorsum with wide single white bands with brown white ventral side



Hump nosed viper-*Hypnale* species (*Hypnale hypnale*, *Hypnale zara*, *Hypnale nepa*)

- Hump at the tip of the snout
- Brown colour triangular head covered with large scales
- A pit between eye and nostril



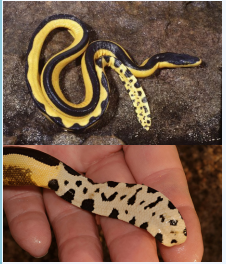
Green pit viper (*Craspedocephalus trigonocephalus*)

- Bright green colour body, black corrugated appearance in the dorsum
- Triangular head with loreal pit
- Head covered with numerous small scales

- Sri Lanka, being a tropical island, harbours approximately 107 species of snakes.
- According to the World Health Organization (WHO) classification, 10 medically important land snake species have been identified in Sri Lanka.
- Each year, an estimated 40,000 snakebite cases are reported, resulting in approximately 100 deaths annually.

Sea snakes

- Main identification feature is peddle shape tail
- Approximately 15 species of sea snakes have been reported in Sri Lankan coastal waters.
- All are highly venomous



Peddle

Management of Snake Bite Envenoming

1) Triage & Stabilization (ABCDE approach)

2) Monitor parameters

Level of consciousness.
Oxygen saturation.
Urine output and fluid balance

Pulse rate.
Temperature.

Blood pressure
Respiratory rate& tidal volume

3) Asses the signs of envenomation

Local effects	Systemic-nonspecific	Systemic-specific
Local pain	Abdominal pain	Neurotoxicity
Swelling	Nausea & vomiting	Nephrotoxicity
Blistering	Significant headache	Spontaneous bleeding / Coagulopathy
Compartment syndrome		Rhabdomyolysis with myoglobinuria
Tissue necrosis		Cardiac toxicity

4) Identification of the snake

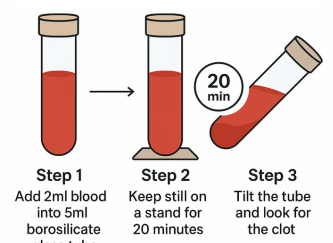
Dead/live specimen.
Photo/videograph.
Syndromic approach

5) Investigations

- 20 minute whole blood clotting test (20MBCT)
- PT/INR & clotting profile
- Serum Creatinine, Serum Electrolytes
- Liver profile (ALT,AST)
- WBC-Polymorphonuclear leukocytosis
- ECG etc

If there is a clot can't rule out coagulopathy.
Need to look for clinical and laboratory evidence

20 Minutes Whole Blood Clotting Test



No clot

Positive

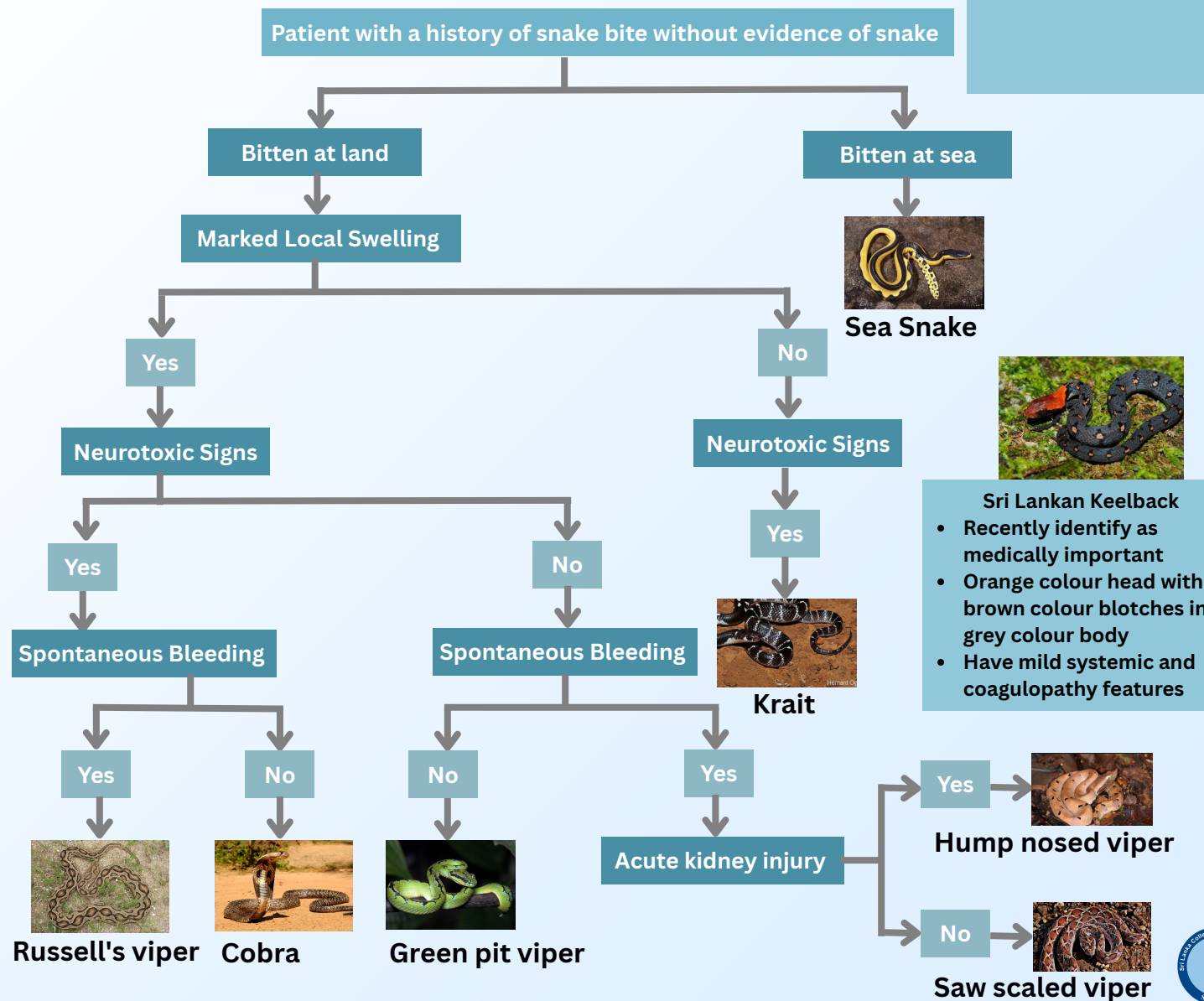
Need AVS

Clot formed

Negative

Can't rule out coagulopathy

Syndromic Approach Of Snake Identification



Antivenom Treatment

