Antivenom Selection Flowchart: INDOPACOM

Contact **DoD ADVISOR** toxicology consult at **+1 (833) 238-7756** for pre-mission planning / antivenom questions or active bite consultations.

Follow list of steps outlined in CPG: **Universal Approach to Snakebite Assessment, Diagnosis, and Treatment**

NOTE:
Yellow background indicates that a product meets both criteria below:
1) *broad-spectrum regional coverage*
2) *freeze-dried / field-stable*

Patient with S/Sx of envenomation?

- NO → Follow Asymptomatic Algorithm for assessment and disposition guidance.
- YES ↓

Venom ophthalmia? (spitting cobras)

- YES → NO ANTIVENOM for venom in eyes. Antivenom used for bites, not for ocular exposure.
  Irrigate extensively and treat like a chemical exposure. See Venom Ophthalmia section in CPG.
- NO ↓

Sea snake bite? (rare)

- YES → **1st line = CSL-SS**
  Sea snakes only (neurotoxic bite in marine environment)
  High dose = 3 vials
  Low dose = 2 vials
- NO ↓

Rhabdophis tigrinus or other Asian keelback species?

- YES → **1st line = JSI-AYA**
  Asian keelback monovalent (hemotoxic without cytotoxic)
  High dose = 2 vials
  Low dose = 1 vial
- NO ↓

Region?

- Maluku Islands / W Papua Islands → **Maluku & W. Papua Islands**
  East of Wallace's Line
  Geographic transition to Australian elapids, CSL-P becomes 1st line here.
  1st line = CSL-P
  Neurotoxic +/- hemotoxic snakes (E of Wallace's line)
  High dose = 3 vials
  Low dose = 1 vial
- **SOUTHEAST ASIA**
  Except Maluku & West Papua Islands (East of Wallace's Line)
  Syndrome?
  - **HEMOTOXIC** / **CYTOTOXIC** → **1st line = TRC-HPAV**
    REGIONAL COVERAGE FOR HEMO / CYTO
    High dose = 10 vials
    Low dose = 5 vials
    Treatment failure? → Request toxicology consult via DoD ADVISOR: +1 (833) 238-7756
  - **NEUROTOXIC** → **1st line = TRC-NPAV**
    REGIONAL COVERAGE FOR NEURO
    High dose = 10 vials
    Low dose = 5 vials
    Treatment failure? → Request toxicology consult via DoD ADVISOR: +1 (833) 238-7756
- **EAST ASIA**
  Syndrome?
  - **NEUROTOXIC** → Region?
    - **SE CHINA / N VIETNAM / LAOS** → **1st line = TRC-NPAV**
      REGIONAL COVERAGE FOR NEURO
      High dose = 10 vials
      Low dose = 5 vials
    - **TAIWAN** → **1st line = NIPM-NBB**
      Covers all COBRA & KRAIT bites in Taiwan
      High dose = 5 vials
      Low dose = 3 vials
      Note - Taiwan cobras may be CYTO only
    - **JAPAN** → **NEURO bites rare in Japan but no specific regional AV.** Request Toxicology consult from DoD ADVISOR: +1 (833) 238-7756
  - **HEMOTOXIC** / **CYTOTOXIC** → Region?
    - **SE CHINA / N VIETNAM / LAOS** → **1st line = TRC-HPAV**
      Unknown Snake HEMO/CYTO
      High dose = 10 vials
      Low dose = 5 vials
      If treatment failure with HPAV and/or Sharp-Nosed Viper suspected? → **NIPM-SNV**
      Taiwan Sharp-Nosed Viper Monovalent
      Snake ID needed
      High dose = 4 vials
      Low dose = 2 vials
    - **JAPAN**
      - Okinawa Region → **1st line Habu: CSTRI-HABU**
        REGIONAL COVERAGE: Japanese Habu (*Protobothrops*)
        High dose = 2 vials
        Low dose = 1 vial
      - Not in Okinawa → **1st line Mamushi: CSTRI-MAMU**
        REGIONAL COVERAGE: Japanese Mamushi (*Gloydius*)
        High dose = 2 vials
        Low dose = 1 vial
    - **KOREAN PENINSULA / NE CHINA** → **KOVAX-AKA**
      REGIONAL COVERAGE: Korean Mamushi (*Gloydius*)
      High dose = 2 vials
      Low dose = 1 vial
    - **TAIWAN**
      - Suspected Sharp-Nosed Viper (Rocky slopes, Montane forest 100m -1500m) → **NIPM-SNV**
        Taiwan Sharp-Nosed Viper Monovalent
        Snake ID needed; Venom Detection Kits used locally
        High dose = 4 vials
        Low dose = 2 vials
      - Habu/Green Viper or Unknown Viper (Widespread distribution) → **NIPM-PTBV**
        Taiwan HABU / GREEN TREE VIPER Bivalent
        Snake ID needed; Venom Detection Kits used locally
        High dose = 4 vials
        Low dose = 2 vials
      - Suspected Russels Viper (South & East Taiwan Coastal Zone) → **NIPM-RV**
        Taiwan RUSSELS VIPER Monovalent
        Snake ID needed; Venom Detection Kits used locally
        High dose = 4 vials
        Low dose = 2 vials
      - CYTO without HEMO from fast, slender, dark snake? → **CYTOTOXIC ONLY?**
        Consider Chinese cobra bite → **1st line = NIPM-NBB**
        Covers all COBRA bites in Taiwan
        High dose = 5 vials
        Low dose = 3 vials
        Note - Taiwan cobras may be CYTO only

Coagulopathy / bleeding refractory to TRC-HPAV?
Consider JSI-AYA keelback AV
High dose = 2 vials
Low dose = 1 vial