Snakebite in pandemic covid 19 in Indonesia

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Indonesia
Total snake species: 370.
Venomous snake species:
- Elapidae: 55
- Viperidae: 21
- Colubridae: 1
Problems

• Data: 135,000/year incidence,
• Mortality over 50-100 people per year
• First Aids
• Indonesia guideline
• Doctors and nurses skills (A, B, C)
• Antivenom availability
• Transportation
Problem in pandemic

- Lockdown and no transportation make antivenom not available and delay have medication in hospital or mini hospital
- People afraid come to hospital or minihospital because covid
- no money (many people no job in pandemic) make many cases about delay have medication in hospital and cases snakebites caused attraction or show
- Stay at home and closed school many cases snakebites about children looked you tube and tv programme
- Focus government in covid pandemic and little focus to snakebites
Snake antivenom in Indonesia

- SABU covers 3 venomous snakes
  1. Agkistrodon rhodostoma
  2. Naja sputatrix
  3. Bungarus fasciatus

- Bio SAVE (Serum Anti Bisa ular polivalen)
  Produsen: PT. Bio Farma (Persero)

- Polyvalent Snake Antivenom (Australian-PNG)
  Produsen: bioCSL

Komposisi:
Bahan aktif:
- 1,000 unit antibisa Brown Snake (Pseudonaja textilis)
- 3,000 unit antibisa Tiger Snake (Notechis scutatus)
- 6,000 unit antibisa Death Adder (Acanthophis antarcticus)
- 12,000 unit antibisa Taipan (Oxyuranus scutellatus)
- 18,000 unit antibisa Black Snake (Pseudechis australis)
Snakebite January until June 2020

- Indonesia toxinology data: 170 cases
- Mortality: 25%, 90% snakebite show, 10% farmer and child, woman
- 2 cases in pregnancy: life
- 60%: Trimeresurus sp
- 20%: Cobra (Naja spurtatix)
- 10%: King cobra
- 5%: Bungarus (death in child)
- 2%: Caloselesma (in pregnancy)
- 1%: Rhabdophis
- 1%: Calliophis
- 1%: Non venomous
Death case
King cobra bite
Retic bites

Trimeresurus bite

Daboia siamensis bite in lembata east nusa tenggara
Snakebite in child
Chaloselesma bite and cobra bite (naja spurtatix and sumatrana)
Snakebite in woman

Caloselesma rhodostoma bite in pregnancy
Show
Bungarus bite

T. Puneceus bite
Training health worker online 100%

Consultation online to doctors and nurses in snakebites cases >95% collaboration with Indonesia toxinology in Whatsapp and application PSC119(public safety center)

Antivenom not available about lockdown and no transportation (education true first aid , give information about anticholinesterase and CPR high quality, management airway and ambulance protocol in emergency(covid and snakebites)

Collaboration with government and association doctors and nurses to build programme snakebites management and first aid

Komision IX DPRRI Indonesia and ministry of health, biopharma will build poison center and programme toxinology especially snakebites in 2020
Together reduction covid and snakebites
The story of survivor doctors Covid-19, 'A simple thing to inspire the lives of patients with Covid-19'

an hour ago

Netralnews.com - The Covid-19 Volunteer Doctor Who Willingly Stayed amid PPE Shortage
It has never occurred that the movie Contagion which Dr. dr. Tri Maharani
en.netralnews.com