



#### ***Poisonous animals 4.1 Sting Ray :***

**Scientific name** : Myliobatoidei

**Other common name** : Ray fish

#### **Identification :**

1. Stingrays (ie, elasmobranchs) are bottom-dwelling cartilaginous fish that have a **flattened body, one or more stout spines on the tail, gill slits on the lower surface of the head, teeth modified into 2 large crushing plates**, and no dorsal fin.
2. Stingray injuries (eg, puncture wounds, lacerations, envenomations) tend to have good outcomes.

#### **Nature of venom :**

1. **Neurotransmitter serotonin and two enzymes; 5-nucleotidase, and phosphodiesterase.**
2. Serotonin is responsible for the intense pain associated with the sting and the 5-nucleotidase and phosphodiesterase enzymes cause intense tissue necrosis