Ciguatera Poisoning: A Fishy Food Chain

Toxins from algae



(Credit: PureStock/Alamy Stock Photo) The plague of blood being enacted from the 1956 blockbuster movie "The Ten Commandments".

Capta in James Cook's crew was poisoned in 1786.

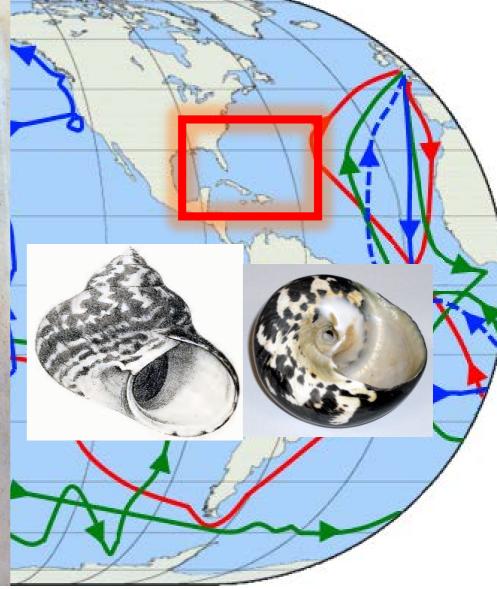
We were poisoned!

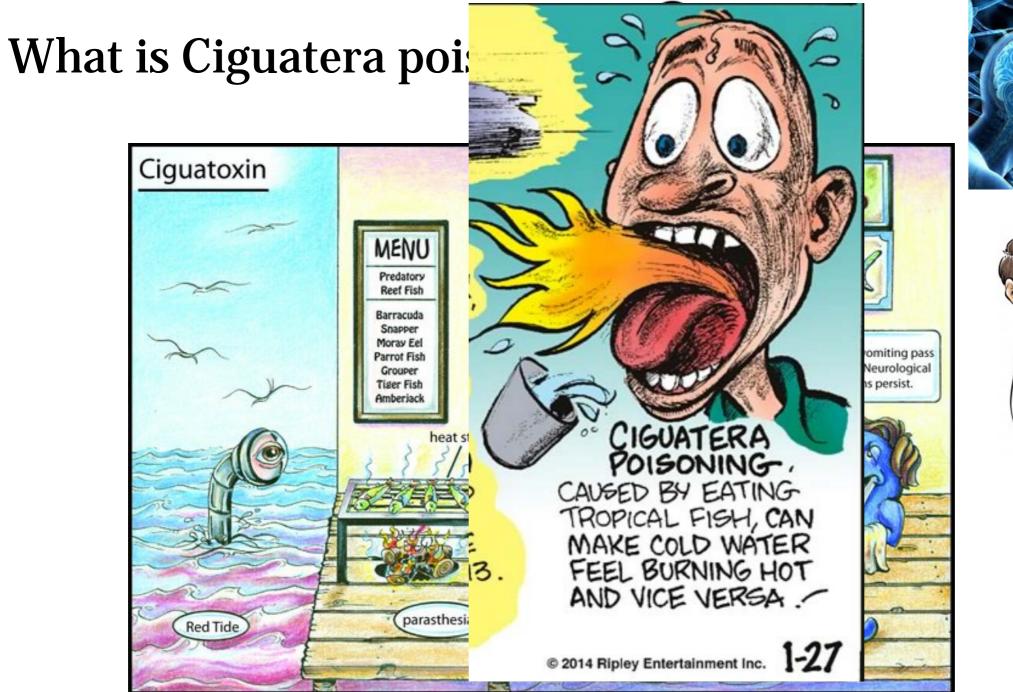
DE DIFERENTES PIEZAS DE HISTORIA NATURAL LAS MAS DEL RAMO MARITIMO, REPRESENTADAS EN SETENTA Y CINCO LAMINAS. SU AUTOR Don Antonio Parra.



EN LA HAVANA AÑO DE 1787.

CON LAS LICENCIAS NECESARIAS. En la Imprenta de la Capitanía General.







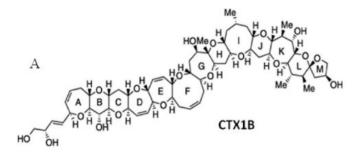


The source of ciguatera - ciguatoxins



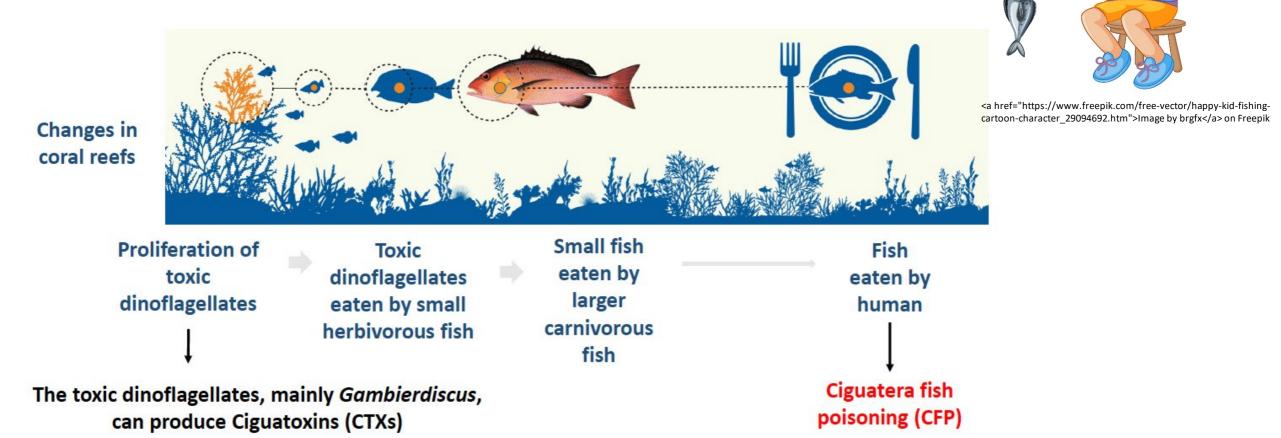




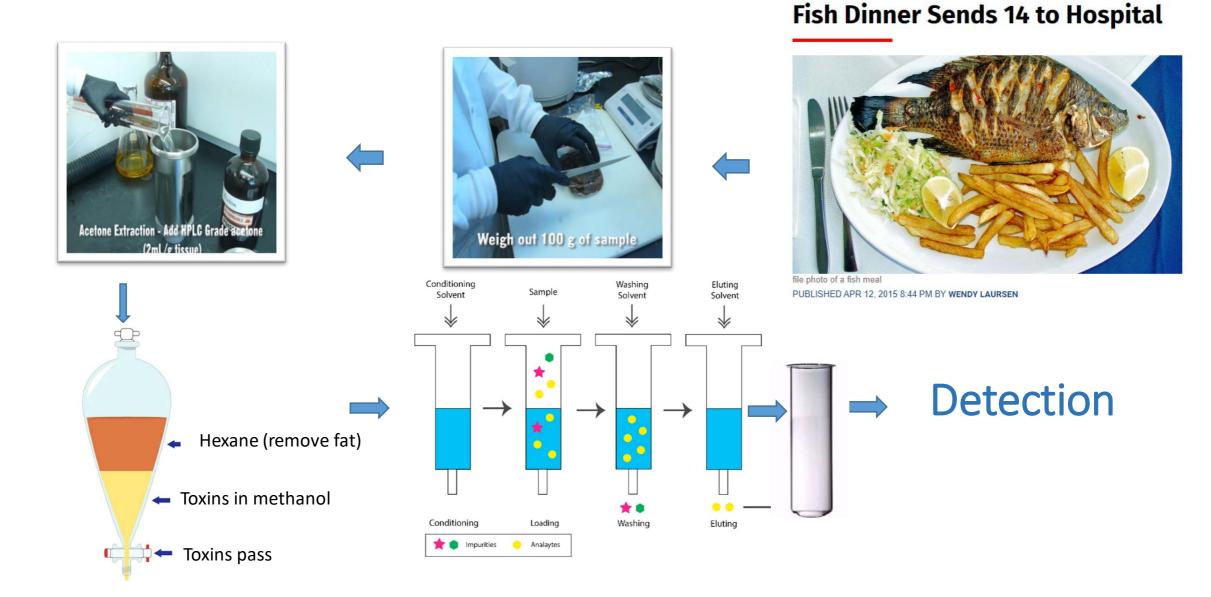




Food web contamination (simplified)



Ciguatoxin extraction

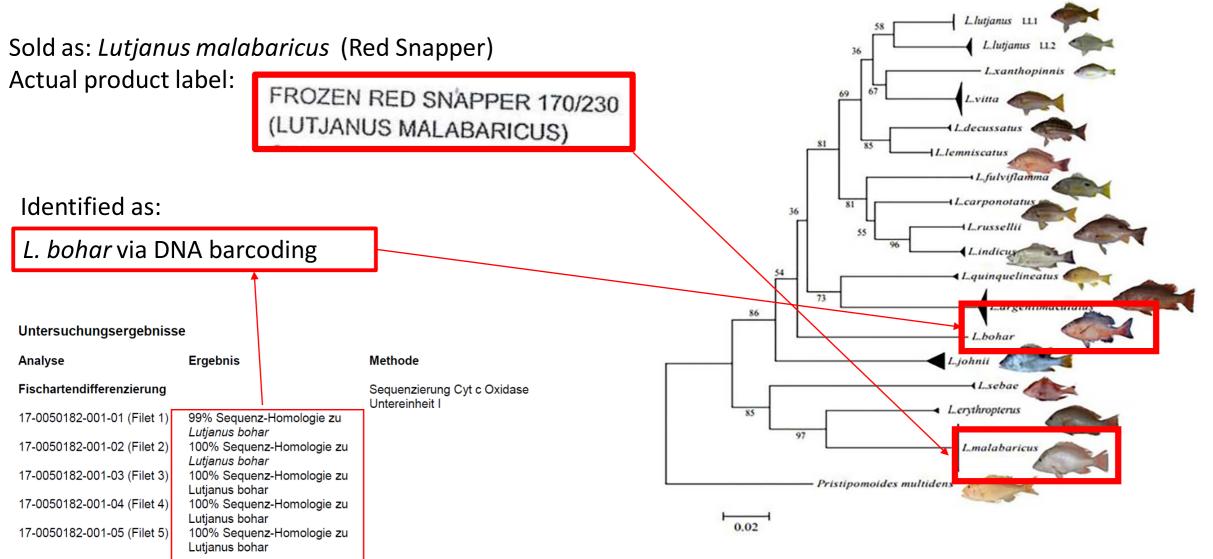


Analysis: Two-tiered approach



But wait there's more!

2017 outbreak in Germany: 'Label might not match your meat'



Legende: 375 - Molekularbiologie F&E (OSH), verantwortlich Dr. Ingrid Huber;

Considerations for consumers

- 1. Be careful ask locals
- 2. Avoid the head, eggs, liver
- 3. If poisoned seek medical help
- 4. Support science!



Fish Dinner Sends 14 to Hospital



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http://www.famous-explorers.com/picture/picture-of-vasco-da-gama-portuguese-explorer/ © 2022 - Famous Explorers

Thank you!





Christopher Loeffler @TravelOceans











