

# Supplementary Materials: Palytoxin-Containing Aquarium Soft Corals as an Emerging Sanitary Problem

Marco Pelin, Valentina Brovedani, Silvio Sosa and Aurelia Tubaro \*

Figure A1: Draft chart for palytoxin/s poisonings associated with soft corals

Date.....

Identification of the patient (first two letters of Name and Surname)

Date of birth:	Sex:	Date of onset of symptoms:
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## 1. Case Definition:

<b>Inhalational exposure</b>	• soft coral eradication by boiling water and/or by brushing of the coral
	• cleaning of the aquarium using hot water
	• seeking medical care
	• presence of at least two of the following signs/symptoms: cough, dyspnea, fever $\geq 38\text{ }^{\circ}\text{C}$ , tachycardia, leukocytosis, and chest pain
<b>Cutaneous exposure</b>	• contact with aquarium water in presence of <i>Palythoa</i> and/or <i>Zoanthus</i> soft corals
	• skin contact with <i>Palythoa</i> and/or <i>Zoanthus</i> soft corals
	• presence of at least two of the following signs/symptoms: erythema, edema, paresthesia, ECG alterations
<b>Ocular exposure</b>	• eye contact with <i>Palythoa</i> and/or <i>Zoanthus</i> soft corals' secretions
	• eye contact with hands after <i>Palythoa</i> and/or <i>Zoanthus</i> soft corals manipulation
	• presence of at least two of the following signs/symptoms: ocular irritation, punctate epitheliopathy, photophobia, conjunctival hyperemia

	Inhalational Exposure	Cutaneous Exposure	Ocular Exposure	Other
Location of exposure				
Date of exposure				
Duration of exposure				
Latency btw onset of symptoms and exp				

## 2. Signs and Symptoms

	YES	NO	YES	NO
Fever $\geq 38\text{ }^{\circ}\text{C}$				
Cough				
Headache				
Dyspnea				
Sore throat				
Rhynorrhea				
Chest pain				
Tachycardia				

Pre-Existent Pathologies and Medical Conditions:

Asthma and other chronic pulmonary disease	Dermatitis
Rhinitis	Ocular pathologies (specify)
Seasonal allergies	Contact lenses
Influenza	Other (specify)
Cardiovascular diseases (specify)	

Drugs used at the moment of the exposure or before

**3. Diagnostic Examinations**

Blood	YES (Indicate Values and Lab-Range)	NO
Blood Count		
Leukocyte count		
CPK		
LDH		
AST		
ALT		
C-reactive protein		
Na <sup>+</sup>		
K <sup>+</sup>		
.....		
.....		
URINE	YES (Indicate Values and Lab-Range)	NO
Color		
Myoglobinuria		
K <sup>+</sup>		
.....		
.....		
Other	YES (Indicate Observations)	NO
ECG		
Chest X-rays		
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.....		

**4. Therapy**

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 .....  
 .....

**5. ACCESS to Emergency Department**      NO      YES

**Hospitalization**      NO      YES

Day of admission: .....

Day of discharge: .....

Time after exposure: .....      Time of recovery: .....

**6. Laboratory Analysis for Pltx/s Identification**

Raw material for analysis: .....

If possible, please specify the soft coral species.....

	Soft coral	Aquarium water	Other *
HPLC analysis			
LC/MS analysis			
Hemolysis neutralization assay			
ELISA method			
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\* Please specify.....

**7. Notes**

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