Mar. Drugs 2016, 14, 33 S1 of S2

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

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

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H1011TP	$\Delta \mathbf{I} \cdot$	I)ratt	chart	tor no	a I wto	VIN/C	noiso:	nings	associated	TA71†h	entt	corale
IIguic.	4 3 4 •	Diant	cmart	TOT P	ur y to	AIII (3	POISO.	1111153	associated	AATCIL	JUIL	corars

riguie Ai. Di	iait cliait ioi paryti	oxiii/s poisoiiiii	gs associa	ied with soft cor	115				
					Date				
T. 1	6.1	1 (2)	1.0	, [
Identification o	of the patient (first tw	o letters of Name	and Surna	me)					
Date of birth:		Sex:		Date of	onset of sympton	ms:			
1. Case Defin	ition:								
	soft coral erace	lication by boiling	water and	or by brushing of	the coral				
Turbalatian al		e aquarium using		<i>,</i> , , , , ,					
Inhalational	seeking medical care								
exposure	• presence of at least two of the following signs/symptoms: cough, dyspnea, fever ≥ 38 °C,								
	tachycardia, leukoc	cytosis, and chest	pain						
		•	•	of <i>Palythoa</i> and/or Z	oanthus soft cora	ls			
Cutaneous		rith <i>Palythoa</i> and/o							
exposure	*	least two of the fo	ollowing sig	gns/symptoms: eryt	hema, edema, pa	aresthesia,			
	ECG alterations								
	•	v		soft corals' secretion					
Ocular	•			or Zoanthus soft cor	•				
exposure	•		_	gns/symptoms: ocu	lar irritation, pu	nctuate			
	epitheliopathy, pho	otophobia, conjuc	tival hyper	emia					
		Inhala	ntional	Cutaneous	Ocular				
		Expo	sure	Exposure	Exposure	Other			
Loca	ntion of exposure								
Da	ate of exposure								
Dura	ation of exposure								
Latency btw o	nset of symptoms an	d exp							
2. Signs and S	Symptoms								
		YES NO)		Y	ES NO			
Fever ≥ 38 °C			ECG alt	erations					
Cough			Erythen	na					
Headache			Edema						
Dyspnea			Paresth						
Sore throat			Myalgia						
Rhynorrhea			Ocular i	rritation					

Photophobia

Conjunctivitis

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)

Chest pain

Tachycardia

Drugs used at the moment of the exposure or before

Mar. Drugs **2016**, 14, 33

3. Diagnostic Examinations

_		YES (Indicate Values and Lab-Range)	
	Blood Count		
	Leukocyte count		
	CPK		
	LDH		
	AST		
	ALT		
	C-reactive protein		
	Na ⁺		
	K ⁺		
-	•••••		
,			
	URINE	YES (Indicate Values and Lab-Range)	NO
	Color		
	Myoglobinuria		
	K ⁺		
	••••••		
-			
	Other	YES (Indicate Observations)	NO
	ECG		
	Chest X-rays		
-			
4. Therapy	Emergency Department	NO YES	
5. ACCESS to			
5. ACCESS to	n NO	NO YES YES	
5. ACCESS to Hospitalization Day of admission	n NO on:		
5. ACCESS to	n NO on:		
5. ACCESS to Hospitalization Day of admission Day of discharg	n NO on:ge:	YES	
5. ACCESS to Hospitalization Day of admission Day of discharg	n NO on:	YES	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo	n NO on: ge: sure:	YES Time of recovery:	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo	n NO on:ge:	YES Time of recovery:	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo	n NO on: ge: sure: Analysis for Pltx/s Identi	YES Time of recovery:	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	n NO on: ge: sure: Analysis for Pltx/s Identi	YES Time of recovery:	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	n NO on: ge: sure: Analysis for Pltx/s Identi	YES Time of recovery:	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	n NO on: ge: sure: Analysis for Pltx/s Identi	YES Time of recovery:	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	n NO on: ge: sure: Analysis for Pltx/s Identi or analysis: se specify the soft coral speci	YES Time of recovery:	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	NO on: ge: Analysis for Pltx/s Idention analysis: se specify the soft coral specific the specific the soft coral specific the	YES Time of recovery:	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	Analysis for Pltx/s Idention analysis: See specify the soft coral specific the specific through the specific thro	YES Time of recovery: Ification ies. Soft coral Aquarium water	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	Analysis for Pltx/s Idention analysis: HPLC analysis LC/MS analysis neutralization a	YES Time of recovery: Ification ies. Soft coral Aquarium water	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	Analysis for Pltx/s Idention analysis: See specify the soft coral specific the specific through the specific thro	YES Time of recovery: Ification ies. Soft coral Aquarium water	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for	Analysis for Pltx/s Idention analysis: HPLC analysis LC/MS analysis neutralization a	YES Time of recovery: Ification ies. Soft coral Aquarium water	
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for If possible, plea	Analysis for Pltx/s Idention analysis: HPLC analysis LC/MS analysis Hemolysis neutralization a ELISA method	Time of recovery:	Other *
5. ACCESS to Hospitalization Day of admission Day of discharg Time after expo 6. Laboratory Raw material for If possible, plea	Analysis for Pltx/s Idention analysis: HPLC analysis LC/MS analysis Hemolysis neutralization a ELISA method	YES Time of recovery: Ification ies. Soft coral Aquarium water	Other *
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for If possible, plea	Analysis for Pltx/s Idention analysis: HPLC analysis LC/MS analysis Hemolysis neutralization a ELISA method	Time of recovery:	Other *
5. ACCESS to Hospitalization Day of admission Day of discharg Time after expo 6. Laboratory Raw material for If possible, plea	Analysis for Pltx/s Idention analysis: HPLC analysis LC/MS analysis Hemolysis neutralization a ELISA method	Time of recovery:	Other *
5. ACCESS to Hospitalization Day of admissic Day of discharg Time after expo 6. Laboratory Raw material for If possible, plea	Analysis for Pltx/s Idention analysis: HPLC analysis LC/MS analysis Hemolysis neutralization a ELISA method	Time of recovery:	Other *