

Rickettsia sibirica mongolitimonae Infection, France, 2010–2014

Technical Appendix

Technical Appendix Table 1. Epidemiologic, clinical, and microbiological characteristics associated with patients infected with *Rickettsia sibirica mongolitimonae*

Case	Sex	Age	Animal contact	Fever	Lymphadenopathy	Eschar	Laboratory data	Other	Serology (IgM/IgG)		Treatment
									First serum	Convalescence	
1	M	50	Dogs	Yes (2 weeks)	No	Left Hand	ALT: 79 IU/L; AST: 70 IU/L; platelets: 59x 10 ⁹ /L	Intensive care unit hospitalization	Negative	Positive (64/128)	Doxycycline (2 weeks)
2	M	36	Horses	Yes	Inguinal	Left foot	NP	Cough, rope-like lymphangitis	Negative	NR	Doxycycline (10 d)
3	M	30	No	Yes	No	Right leg	ALT: 61 IU/L; AST: 54 IU/L; platelets: 107x 10 ⁹ /L	No	NR	NR	Doxycycline (1 week)
4	F	58	Dogs	Yes (10 d)	Cervical	Neck	ALT: 50 IU/L; AST: 47 IU/L; platelets: 137x 10 ⁹ /L; Stp: 56 g/L	Confusion	Negative	NR	Doxycycline (1 week)
5	M	31	No	Yes	Axillary and cervical	Back	NP	Rope like lymphangitis	NR	NR	Doxycycline (1 week)
6	M	17	Dogs	Yes	Cervical	Neck	NP	No	Negative	Positive (128/128)	Amox and then doxy
7	F	50	No	Yes	Inguinal	Thigh	NP	No	Negative	Negative	Doxycycline (1 week)
8 (1)	M	19	Dogs	Yes (4 d)	Cervical	Eyelid	NP	No	Negative	Positive (128/64)	Doxycycline (1 week)
9	F	29	No	Yes	Inguinal	Righ foot	NP	Rope like lymphangitis	NR	NR	Pristinamycine (7 d)
10	M	70	No	Yes	Axillary	Left hypochondrium	NP	No	Negative	NR	Doxycycline (1 week)
11	M	67	Dogs	Yes (10 d)	Cervical	Neck	NP	No	Negative	NR	Doxycycline (10 d)
12	F	63	No	Yes (7 d)	Axillary	Left Hand	NP	No	Negative	Positive (128/32)	Doxycycline (1 week)
13	F	40	No	Yes (15 d)	No	Right costal	ALT: 45 IU/L; AST: 49 IU/L; platelets: 97x 10 ⁹ /L; Stp: 58 g/L	No	Positive (128/32)	NR	Doxycycline (2weeks)

Case	Sex	Age	Animal contact	Fever	Lymphadenopathy	Eschar	Laboratory data	Other	Serology (IgM/IgG)		Treatment
									First serum	Convalescence	
14	F	76	No	Yes	No	Neck	NP	No	NR	NR	Doxycycline (1 week)
15	M	47	No	Yes (7 d)	Cervical	Left Hand	NP	Rope like lymphangitis	Negative	NR	Doxycycline (1 week)
16	M	57	No	Yes	No	3 eschars in the hand	NP	No	Negative	NR	Doxycycline
17 (2)	F	67	No	Yes	No	Left leg	NP	Rope like lymphangitis	Positive (64/64)	NR	Doxycycline (1 week)
18	M	28	No	Yes	No	Chest	ALT: 55 IU/L; AST: 48 IU/L; platelets: 115x 10 ⁹ /L	Rope like lymphangitis	NR	NR	Doxycycline (1 week)
19	M	2	No	Yes	No	Ear	NP	No	NR	NR	Doxycycline (1 week)
20	F	10	No	Yes	Popliteal	Left leg	NP	Rope like lymphangitis	NR	NR	Doxycycline (1 week)

*NR, not received; NP, not provided; ALT, alanine aminotransferase; AST, aspartate aminotransferase; Stp, serum total protein.

Technical Appendix Table 2. Previous reported cases of *Rickettsia sibirica mongolotimonae**

Year- Reference	Number of cases	Country	Rope-like lymphangitis (No. cases, %)	Eschar (No. cases, %)	Rash (No. cases, %)	Other
1996 - (1)	1	France	No	Yes (1, 100%)	Yes (1, 100%)	
2000 - (2)	1	France	Yes (1, 100%)	Yes (1, 100%)	No	
2004 - (3)	1	South Africa	Yes (1, 100%)	Yes (1, 100%)	No	
2005 - (4)	7	France	Yes (3, 43%)	Yes (6, 86%)	Yes (6, 86%)	
2005 - (5)	1	Greece	No	Yes (1, 100%)	Yes (1, 100%)	
2006 - (6)	1	Portugal	No	Yes (1, 100%)	Yes (1, 100%)	
2008 - (7)	1	Spain	No	Yes (1, 100%)	No	
2008 - (8)	1	Portugal	Yes (1, 100%)	Yes (1, 100%)	Yes (1, 100%)	
2008 - (9)	1	France	Yes (1, 100%)	Yes (1, 100%)	Yes (1, 100%)	Retinal vasculitis
2010 - (10)	1	Egypt	No	Yes (1, 100%)	No	
2011 - (11, 12)	2	Spain	No	Yes (2, 100%)	Yes (1, 100%)	
2012 - (13)	2	Algeria	NP	NP	NP	
2012 - (11)	1	Spain	No	Yes (1, 100%)	Yes (1, 100%)	septic shock
2013 - (14)	6	Spain	Yes (3, 50%)	Yes (6, 100%)	Yes (4, 67%)	
2013 - (15)	2	France	Yes (1, 50%)	Yes (2, 100%)	Yes (1, 50%)	
2014 - (16)	1	France	No	Yes (1, 100%)	No	
Total	30		11 (37%)	27 (90%)	18 (60%)	

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