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SCHOOL OF MEDICINE
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Department of Internal Medicine
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January 21, 1980

*Friday's: (203) 436-0984
Lab Rheumatologic*

Dr. Robert N. Philip
National Institute of Allergy
and Infectious Diseases
Rocky Mountain Laboratory
Hamilton, Montana 59840

(203) 785-9459/11

Dear Dr. Philip:

I apologize for the delay in writing you about the results of the second set of sera that you tested. As shown in the enclosed data sheet, the second set of sera were not suggestive of rickettsial infection in Lyme arthritis patients. The only person who had results like those seen in the first set was Michael Joy, who had no antibody detected in the acute phases and did in the convalescent phase. In contrast, Andy Main's sera showed low titers against SH130 before infection and in acute and convalescent sera. In his case there were no changes in titer. Control patients generally had titers like those seen in case patients. Both data sheets are enclosed so that you might peruse them again, but I would interpret these data now as being against a rickettsial etiology of Lyme disease. Willie Bergdorfer and Lou Magnarelli's data are still outstanding; I will be interested to see what they find.

Thank you very much for your hospitality to Bob Grodzicki. He arrived back safely with all of the samples. We repeated sera from both the first and the second set so that I could get an idea of how the slides look, but we are not currently pushing ahead with these studies. If you think we should reconsider, please let me know.

With best wishes.

Sincerely yours,

Allen Steere

Allen C. Steere, M.D.
Assistant Professor of Medicine
and Epidemiology

ACS/etd
Enclosures

Handwritten notes: (203) 785-9459/11 Inform

Key for Organisms Tested

1. Sh130 - 369C-like agent recovered from *D. andersoni* in Montana.
Viable rickettsiae cultivated in vero cells
2. Co146 - *R. rhipicephali*-like agent recovered from *D. andersoni* in Montana. Viable rickettsiae cultivated in vero cells
3. Co147 - *R. montana*-like agent recovered from *D. andersoni* in Montana.
Viable rickettsiae cultivated in vero cells
4. Swiss Agent - Unclassified SFG agent recovered from *I. ricinus* in Switzerland (Burgdorfer et al - in press). Viable rickettsiae cultivated in vero cells
5. Conn1542 - *R. montana*-like rickettsia from *D. variabilis* collected in Connecticut. Viable rickettsiae cultivated in vero cells.
6. Conn1606 - Ibid
R. montana-like rickettsia. Probably the same organism as Conn1542

FIRST DATA SET

Name	Date	Type of Sera	Code	Co 146	Co 147	Swiss Agent	Conn 1542	Conn 1606
Thomas Bacon	7/17/78	acute	1	0	0	0	16	16
	8/3/78	early conv	3	0	0	0	16	16
	4/23/79	late conv	5	128	128	32	32	32
Elaine Burke	6/27/78	acute	10	0	0	0	0	0
	12/15/78	late conv	2	0	0	0	16	16
Ruth Ciucius	7/11/78	acute	11	0	0	tr	tr	tr
	1/21/78	late conv	9	0	0	16	0	tr
Maxine Ewankow	7/15/77	acute	14	tr	tr	tr	tr	tr
	5/24/78	late conv	17	64	128	32	32	32
Vinc Barba	7/26/76	acute	22	0	0	0	0	0
	6/7/77	late conv	8	0	0	tr	16	16
Fred Barber	7/21/78	acute	15	128	128	64	64	64
	2/2/79	late conv	13	128	128	128	128	128
Robert Brokaw	8/3/77	acute	20	64	64	32	32	32
	4/14/78	late conv	18	0	tr	16	16	16
Laura Banks	11/27/78	late conv	6	128	128	64	64	64
Brad Beckham	12/28/77	late conv	16	0	tr	32	32	32
David Bingham	4/13/78	late conv	7	128	128	32	32	32
<u>Controls</u>								
Allen Steere	4/24/78	control	12	0	tr	32	32	32
Henry Sprance	9/24/79	control	4	0	0	0	0	0
Bob Bovini	9/17/76	control	21	0	0	0	0	0
Eric Berquist	3/10/77	control	19	0	0	0	0	0

