

May 23, 1984

Drs. P. K. Pybus and
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Dear Doctors,

Thank you for your letter of May 15. As I have been communicating with Mr. Chapdelaine, I have examined 23 samples so far but have not found any amoebae. Samples collected after drug treatments did not produce any viable cells: only a few samples that had been collected have produced some viable cells. (before drug administration)

At the present time, I have two cultures going that have several cell types; some squamous, those with spikes, others with many granules, and still others with round pseudopodia apparently crawling over other flattened cells. The last group seems to represent macrophages, although I am not very positive. I plan to obtain expert opinion from researchers at the hospital. So, it is possible to culture macrophages from synovial fluids. By the way, these two cultures have been going for 4 weeks, and the cells have been definitely multiplying. I have been renewing the culture medium every 3 or 4 days.

It seems that some researchers have already tested the effect of some anti-protozoal drugs on cultured macrophages. However, if you think that more work should be done, I will be happy to cooperate. First, I will have to separate the different cell types and characterize them.

With best wishes,

Yours sincerely,

Kwang W. Jeon
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c.c. Mr. P. A. Chapdelaine

In their letter of 5/15, 84, that they concluded the "moving objects" in synovial fluids to be macrophages and not amoebae. KWS.