



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

February 6, 2024

A. Rachel Leheny, Ph.D.
Chief Executive Officer
CalciMedica, Inc.
505 Coast Boulevard South, Suite 307
La Jolla, CA 92037

Re: CalciMedica, Inc.
Registration Statement on Form S-3
Filed January 31, 2024
File No. 333-276793

Dear A. Rachel Leheny:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Tyler Howes at 202-551-3370 with any questions.

Sincerely,

Division of Corporation Finance
Office of Life Sciences

cc: Carlos Ramirez, Esq.