

April 8, 2024

Oren Gilad, Ph.D.
President and Chief Executive Officer
Aprea Therapeutics, Inc.
3805 Old Easton Road
Doylestown, PA 18902

Inc.

Statement on Form S-3

Re: Aprea Therapeutics,

Registration

Filed April 3, 2024

File No. 333-278485

Dear Oren Gilad:

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 Chris Edwards at 202-551-6761 with any questions.

Sincerely,

Division of Corporation Finance

Office of Life Sciences

cc:

Fahd M.T. Riaz, Esq.