

October 11, 2022

Ivana Magovevi-Liebisch
Chief Executive Officer
Vigil Neuroscience, Inc.
1 Broadway, 7th Floor, Suite 07-300
Cambridge, MA 02142

Inc.

Statement on Form S-1
2022

Re: Vigil Neuroscience,
Registration
Filed September 30,
File No. 333-267672

Dear Ivana Magovevi-Liebisch:

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.

Hagius at 202-551-7967 with any questions.

Please contact Dillon

Sincerely,

Division of Corporation Finance

Office of Life Sciences

cc:

Gabriela Morales-Rivera