



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 3030

June 15, 2017

Via E-mail

Amir Avniel
Chief Executive Officer
AIT Therapeutics, Inc.
2 Ilan Ramon, Science Park
Ness Ziona, 7403635 Israel

**Re: AIT Therapeutics, Inc.
Registration Statement on Form S-1
Filed June 9, 2017
File No. 333-218626**

Dear Mr. Avniel:

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 Tom Jones at (202) 551-3602 with any questions.

Sincerely,

/s/ Tom Jones for

Amanda Ravitz
Assistant Director
Office of Electronics and Machinery

cc: Robert L Grossman, Esq.