January 16, 2024

R. Michael Dudley Chief Executive Officer Transcode Therapeutics, Inc. 6 Liberty Square, #2382 Boston, MA 02109 Re: Transcode Therapeutics, Inc. Registration Statement on Form S-1 Filed January 11, 2024 File No. 333-276467 Dear R. Michael Dudley: 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 Tim Buchmiller at 202-551-3635 with any questions.

Sincerely,

Division of Corporation Finance

Office of Life Sciences