

TransEnterix, Inc.
635 Davis Drive, Suite 300
Morrisville, North Carolina 27560

May 16, 2017

Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549
Attention: Tom Jones

Re: TransEnterix, Inc. Registration Statement
on Form S-3 (File No. 333-217865)

Ladies and Gentlemen:

We respectfully request that the Commission, acting pursuant to Section 8(a) of the Securities Act of 1933, as amended, and pursuant to Rule 461(a) promulgated thereunder, enter an appropriate order declaring the above-captioned Registration Statement on Form S-3 effective as of 4:00 p.m., May 19, 2017, or as soon thereafter as practicable.

Please direct any questions regarding the Registration Statement or this request to the undersigned at the Company at (919) 596-8400, to Joshua Weingard, Chief Legal Officer of the Company, at (305) 575-4602 or to Mary J. Mullany at Ballard Spahr LLP at (215) 864-8631.

Sincerely,

/s/ Joseph P. Slattery

Joseph P. Slattery

Executive Vice President, Chief Financial Officer