

Accepted Manuscript

Amlexanox enhances premature termination codon read-through in *COL7A1* and expression of full length type VII collagen: potential therapy for recessive dystrophic epidermolysis bullosa

Velina S. Atanasova, Qiujie Jiang, Marco Prisco, Christina Gruber, Josefina Piñón Hofbauer, Mei Chen, Cristina Has, Leena Bruckner-Tuderman, John A. McGrath, Jouni Uitto, Andrew P. South

PII: S0022-202X(17)31550-6

DOI: [10.1016/j.jid.2017.05.011](https://doi.org/10.1016/j.jid.2017.05.011)

Reference: JID 883

To appear in: *The Journal of Investigative Dermatology*

Received Date: 15 December 2016

Revised Date: 20 April 2017

Accepted Date: 6 May 2017

Please cite this article as: Atanasova VS, Jiang Q, Prisco M, Gruber C, Piñón Hofbauer J, Chen M, Has C, Bruckner-Tuderman L, McGrath JA, Uitto J, South AP, Amlexanox enhances premature termination codon read-through in *COL7A1* and expression of full length type VII collagen: potential therapy for recessive dystrophic epidermolysis bullosa, *The Journal of Investigative Dermatology* (2017), doi: [10.1016/j.jid.2017.05.011](https://doi.org/10.1016/j.jid.2017.05.011).

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Amlexanox enhances premature termination codon read-through in *COL7A1* and expression of full length type VII collagen: potential therapy for recessive dystrophic epidermolysis bullosa

Velina S. Atanasova¹, Qiujie Jiang¹, Marco Prisco¹, Christina Gruber², Josefina Piñón Hofbauer², Mei Chen³, Cristina Has⁴, Leena Bruckner-Tuderman⁴, John A. McGrath⁵, Jouni Uitto¹, Andrew P. South^{1*}

¹Department of Dermatology and Cutaneous Biology, Thomas Jefferson University, Philadelphia, PA, USA

²Department of Dermatology and EB House Austria, Paracelsus Medical University, Salzburg, Austria

³Department of Dermatology, University of Southern California, Los Angeles, CA, USA

⁴Department of Dermatology, Medical Center, University of Freiburg, Freiburg, Germany

⁵St. John's Institute of Dermatology, King's College London (Guy's Campus), UK

* Correspondence: Department of Dermatology & Cutaneous Biology, Thomas Jefferson University, 406 BLSB, Philadelphia, PA 19107. Andrew.South@Jefferson.edu

Short Title: Amlexanox for read-through therapy in RDEB

Abbreviations used: EB, epidermolysis bullosa; RDEB, recessive dystrophic epidermolysis bullosa; NMD, nonsense mediated mRNA decay; PTC, premature termination codon; BMZ, basement membrane zone; DEJ, dermal-epidermal junction.

Key words: recessive dystrophic epidermolysis bullosa, premature termination codon, amlexanox, read-through, type VII collagen

Download English Version:

<https://daneshyari.com/en/article/5649184>

Download Persian Version:

<https://daneshyari.com/article/5649184>

[Daneshyari.com](https://daneshyari.com)