

Accepted Manuscript

Title: Stromal cells/telocytes and endothelial progenitors in the perivascular niches of the trigeminal ganglion<!--<RunningTitle>The telocytes of the trigeminal ganglion</RunningTitle>-->

Authors: M.C. Rusu, V.S. Mănoiu, D. Crețoiu, S.M. Crețoiu, A.D. Vrapciu

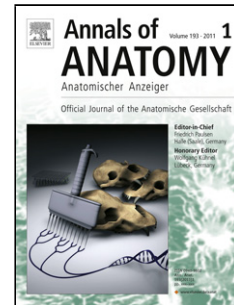
PII: S0940-9602(18)30050-5
DOI: <https://doi.org/10.1016/j.aanat.2017.12.016>
Reference: AANAT 51253

To appear in:

Received date: 14-11-2017
Revised date: 10-12-2017
Accepted date: 15-12-2017

Please cite this article as: Rusu, M.C., Mănoiu, V.S., Crețoiu, D., Crețoiu, S.M., Vrapciu, A.D., Stromal cells/telocytes and endothelial progenitors in the perivascular niches of the trigeminal ganglion. *Annals of Anatomy* <https://doi.org/10.1016/j.aanat.2017.12.016>

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.



Stromal cells/telocytes and endothelial progenitors in the perivascular niches of the trigeminal ganglion

Running title: **The telocytes of the trigeminal ganglion**

Rusu MC^{1*}, Mănoiu VS², Crețoiu D³, Crețoiu SM⁴, Vrapciu AD⁵

¹ MD, PhD, Dr.Hab.,Dr.Biol.,Prof., (a) Division of Anatomy, Faculty of Dental Medicine, “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania; (b) MEDCENTER – Center of Excellence in Laboratory Medicine and Pathology

² PhD – Department of Cellular and Molecular Biology, National Institute of Research and Development for Biological Sciences, Bucharest, Romania

³ Division of Cellular and Molecular Biology and Histology, Department 2 Morphological Sciences, Faculty of Medicine, “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania

⁴ Division of Cellular and Molecular Biology and Histology, Department 2 Morphological Sciences, Faculty of Medicine, “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania

⁵ MD, Ph.D., Lect., Division of Anatomy, Faculty of Dental Medicine, “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania

*Corresponding Author

Work Address: “Carol Davila” University of Medicine and Pharmacy, 8 Eroilor Sanitari Blvd., RO-76241, Bucharest, Romania, mugurel.rusu@umfcd.ro

PHONE: +40722363705

E-mail address: anatomon@gmail.com (M.C.Rusu)

ABSTRACT

Stromal cells/telocytes (SCs/TCs) were recently described in the human adult trigeminal ganglion (TG). As some markers are equally expressed in SCs/TCs and endothelial cells, we hypothesized that a subset of the TG SCs/TCs is in fact represented by endothelial progenitor cells of a myelomonocytic origin. This study aimed to evaluate whether the interstitial cells of the human adult TG correlate with the myelomonocytic lineage. We used primary antibodies for c-erbB2/HER-2, CD31, nestin, CD10, CD117/c-kit, von Willebrand factor (vWF), CD34, Stro-1, CD146, α -smooth muscle actin (α -SMA), CD68,

Download English Version:

<https://daneshyari.com/en/article/8460300>

Download Persian Version:

<https://daneshyari.com/article/8460300>

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