

Paraneoplastic thrombocytosis in gastrointestinal cancer - DTU Orbit (09/11/2017)

Paraneoplastic thrombocytosis in gastrointestinal cancer

It has been demonstrated recently in several solid tumors that thrombocytosis at diagnosis may correlate with tumor invasion, metastatic progression and worse outcome. Several details of the pathomechanism of the relationship of thrombocytosis and cancer have been elucidated; however, the complete process is not clearly understood. Several hypotheses have been proposed. Recently, it was suggested that in ovarian cancer elevated IL-6 production by the tumor may induce increased megakaryopoiesis via hepatic thrombopoietin production leading to thrombocytosis. The importance of the prognostic power of elevated platelet count is still debated in gastrointestinal cancer. The aims of this review were to evaluate the prognostic significance of thrombocytosis in gastrointestinal cancer, to see whether clinical practice confirmed the hypotheses and to reveal the causes of the inconsistent findings.

General information

State: Published

Organisations: Department of Systems Biology, Center for Biological Sequence Analysis, Cancer Systems Biology, Semmelweis University, Flór Ferenc Hospital, HDF Medical Centre

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Number of pages: 7

Pages: 269-275

Publication date: 2016

Main Research Area: Technical/natural sciences

Publication information

Journal: Platelets (London)

Volume: 27

Issue number: 4

ISSN (Print): 0953-7104

Ratings:

BFI (2017): BFI-level 1

Web of Science (2017): Indexed Yes

BFI (2016): BFI-level 1

Scopus rating (2016): SJR 0.753 SNIP 0.754 CiteScore 1.66

Web of Science (2016): Indexed yes

BFI (2015): BFI-level 1

Scopus rating (2015): SJR 0.809 SNIP 0.842 CiteScore 1.78

BFI (2014): BFI-level 1

Scopus rating (2014): SJR 0.764 SNIP 0.878 CiteScore 1.64

BFI (2013): BFI-level 1

Scopus rating (2013): SJR 0.757 SNIP 0.811 CiteScore 1.99

BFI (2012): BFI-level 1

Scopus rating (2012): SJR 0.709 SNIP 0.718 CiteScore 1.92

BFI (2011): BFI-level 1

Scopus rating (2011): SJR 0.777 SNIP 0.716 CiteScore 2.03

BFI (2010): BFI-level 1

Scopus rating (2010): SJR 0.785 SNIP 0.587

BFI (2009): BFI-level 1

Scopus rating (2009): SJR 0.811 SNIP 0.727

BFI (2008): BFI-level 1

Scopus rating (2008): SJR 0.726 SNIP 0.636

Scopus rating (2007): SJR 0.705 SNIP 0.735

Scopus rating (2006): SJR 0.509 SNIP 0.62

Scopus rating (2005): SJR 0.633 SNIP 0.686

Scopus rating (2004): SJR 0.604 SNIP 0.562

Scopus rating (2003): SJR 0.699 SNIP 0.562

Scopus rating (2002): SJR 0.513 SNIP 0.504

Scopus rating (2001): SJR 0.374 SNIP 0.316

Scopus rating (2000): SJR 0.366 SNIP 0.591

Scopus rating (1999): SJR 0.408 SNIP 0.357

Original language: English

Gastrointestinal tumors, Paraneoplastic, Prognosis, Survival, Thrombocytosis

DOIs:

10.3109/09537104.2016.1170112

Source: FindIt

Source-ID: 2304057414

Publication: Research - peer-review › Journal article – Annual report year: 2016