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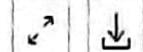
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Compare and contrast: **pediatric cancer** versus adult malignancies.

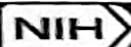
1 Kattner P, Strobel H, Khoshnevis N, Grunert M, Bartholomae S, Pruss M, Fitzel R, Halatsch ME, Schilberg

Cite K Siegelin MD, Peraud A, Karpel-Massler G, Westhoff MA, Debatin KM.

Cancer Metastasis Rev. 2019 Dec;38(4):673-682. doi: 10.1007/s10555-019-09836-y.

Share PMID: 31832830 Review.

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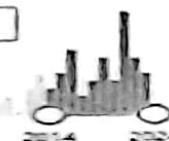
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### Beyond Hemostasis: Platelet Innate Immune Interactions and Thromboinflammation.

Mandal A, Casari M, Stepanian M, Martynov A, Depetrillo MC

Int J Mol Sci. 2022 May 8;13(10):6658. doi: 10.3390/ijms13106658 PMID: 35409226 Free PMC article. Review

There is accumulating evidence that platelets play roles beyond their traditional functions in thrombosis and hemostasis, e.g., in inflammatory processes, infection and cancer, and that they interact, stimulate and regulate cells of the innate immune system such as neutrophils, monocytes, macrophages, dendritic cells, T cells, B cells, natural killer cells, and natural killer T cells. In addition, platelets have been implicated in the pathophysiology of various diseases, including cardiovascular diseases, stroke, diabetes, and cancer. This review highlights the latest findings on the role of platelets in these diseases and discusses the underlying mechanisms. It also provides an overview of the therapeutic potential of platelets and their products in the treatment of these diseases.



2

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### Systemic interventions for treatment of Stevens-Johnson syndrome (SJS), toxic epidermal necrolysis (TEN), and SJS/TEN overlap syndrome.

Jacobson A, Chiba B, Langley A, Bowcock A, Munro E, Shelley A, Morley B, Ramsay T, Szekely A, Parker R, Stewart F, Pardo Pardo A

Centaur Database Syst Rev. 2022 May 11;3(3):CD014193. doi: 10.1002/14651858.CD014193.pub2 PMID: 35274741 Free PMC article. Review

Two studies were set in burn units, two in dermatology wards, one in an intensive care unit, one in a paediatric ward, and three in unspecified inpatient units. Seven studies reported a mean age, which ranged from 29 to 56 years. Two studies included paediatric patients.



3

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### Challenges in the diagnosis of hemophagocytic lymphohistiocytosis: Recommendations from the North American Consortium for Histiocytosis (NACHO).

Jordan MG, Allen CE, Greenberg I, Henry M, Hermiston ML, Kumar A, Hines M, Edelson D, Lachapelle S, Nichols KE, Rodriguez-Galancho C, Witzighausen B, McClain KL

Pediatr Blood Cancer. 2019 Nov;66(11):e27929. doi: 10.1002/pbc.27929. Epub 2019 Jul 24.

PMID: 31319283 Free PMC article. Review



4

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### Sepsis: Recognition, Assessment and Early Management.

National Guideline Centre (UK)

London: National Institute for Health and Care Excellence (UK); 2019 Jun



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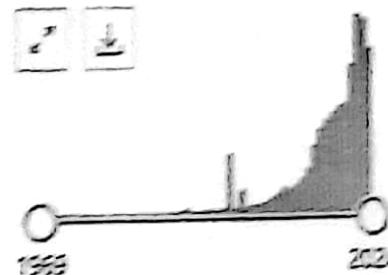
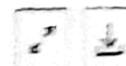
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## Recent Advances in Pediatric Cancer Research

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Cite Cancer Res. 2021 Dec 16;12(25):5795-5796. doi: 10.1158/0008-5410.CAN-21-1193

PMID: 34561234 | Free PMC article | Review

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led to new and exciting findings that have relevance beyond pediatric malignancies. Here we present



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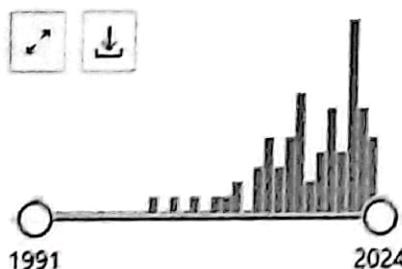
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- Beyond Hemostasis: Platelet Innate Immune Interactions and Thromboinflammation.



Mandel J, Casari M, Stepanyan M, Martyanov A, Deppermann C.

Int J Mol Sci. 2022 Mar 31;23(7):3868. doi: 10.3390/ijms23073868.

PMID: 35409226 [Free PMC article.](#) [Review.](#)

There is accumulating evidence that platelets play roles beyond their traditional functions in thrombosis

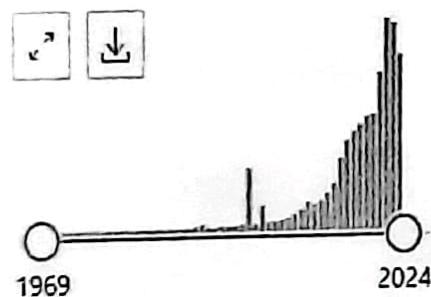
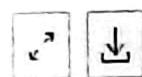
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- Recent Advances in **Pediatric Cancer** Research.

1 McEachron TA, Helman LJ.

Cite Cancer Res. 2021 Dec 1;81(23):5783-5799. doi: 10.1158/0008-5472.CAN-21-1191. Epub 2021 Sep 24. PMID: 34561271 [Free PMC article](#) Review.

**Pediatric cancer** has experienced a shift in momentum, and this has shifted beyond **pediatric malignancies**. Here we present

McEachron, T. A., & Helman, L. J. (2021).  
Recent Advances in Pediatric Cancer  
Research. *Cancer research*, 81(23), 5783-  
5799. <https://doi.org/10.1158/0008-5472.CAN-21-1191>

immunogenomics.

10.1016/j.gde.2022.101918. Epub 2022 May 23.

ers established the importance of multiple platforms to gain a complete molecular landscape of these **cancers**. [Activate VI](#)  
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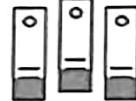
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- Pediatr Blood Cancer. 2018 Nov; 65(Suppl 2): e27455. Published online 2018 Sep 21. doi: 10.1002/pbc.27455

PMCID: PMC7167781

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Scott L. Weiss, Mark J. Peters, Waleed Alhazzani, Michael S. D. Agus, Heidi R. Flori, David P. Inwald, Simon Nadel, Luregn J. Schlapbach, Robert C. Tasker, Andrew C. Argent, Joe Brierley, Joseph Carcillo, Enitan D. Carroll, Christopher L. Carroll, Ira M. Cheifetz, Karen Choong, Jeffry J. Cies, Andrea T. Cruz, Daniele De Luca, Akash Deep, Saul N. Faust, Claudio Flauzino De Oliveira, Mark W. Hall, Paul Ishimine, Etienne Javouhey, Koen F. M. Joosten, Poonam Joshi, Oliver Karam, Martin C. J. Kneyber, Joris Lemson, Graeme McLaren, Nilesh M. Mehta, Morten Hylander Möller, Christopher J. L. Newth, Trung C. Nguyen, Akira Nishisaki, Mark E. Nunnally, Margaret M. Parker, Raina M. Paul, ...

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