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Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 54582

Manuscript Type: LETTER TO THE EDITOR

Acquired aplastic anemia: is bystander insult to autologous hematopoiesis driven by immune surveillance on malignant cells?

²
Xi-Chen Zhao, Xiao-Yun Sun, Bo Ju, Fan-Jun Meng, Hong-Guo Zhao

Abstract

We previously reported a serendipitous finding from a patient with refractory severe aplastic anemia who had gotten an unexpected hematological response to treatment with gut-cleansing preparations (GCP). This patient experienced 3 recurrences over the

Acquired aplastic anemia: hematopoietic damage may result from



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Acquired Aplastic Anemia as a Clonal Disorder of ...

https://www.researchgate.net/publication/340512604_Acquired_Aplastic_Anemia_a_s_a...

Acquired aplastic anemia (aAA) is an **acquired** deficiency of early **hematopoietic cells**, characterized by inadequate blood production, and a predisposition to ...

Hematopoietic cell destruction by immune mechanisms in ...

https://www.researchgate.net/publication/12638348_Hematopoietic_cell_destruction_by...

In most cases of **Aplastic anemia**, bone marrow failure is believed to **result** from immunologically mediated destruction of primitive **hematopoietic** stem and progenitor **cells**[25,26].

Aplastic anemia | Request PDF

https://www.researchgate.net/publication/5460372_Aplastic_anemia

Most **acquired aplastic anemia** is the **result** of immune-mediated destruction of **hematopoietic** stem **cells** causing pancytopenia and an empty bone ...

Molecular pathogenesis of acquired aplastic anemia - Boddu ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/ejh.13182>

Oct 31, 2018 · 1 INTRODUCTION. **Acquired aplastic anemia** (AA) is characterized by a hypoplastic marrow and bone marrow failure, leading to decreased peripheral blood counts. 1 Application of next-generation sequencing (NGS) has allowed for a comprehensive genetic characterization of AA and suggested a paradigm shift in AA pathophysiology from solely immune-mediated bone marrow (BM) **hematopoietic** ...

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[Recent advances in understanding clonal haematopoiesis in ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5435524)

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Acquired aplastic anaemia (AA) is an **immune-mediated bone marrow failure disorder inextricably linked to clonal haematopoiesis**. The majority of AA patients have somatic mutations and/or structural chromosomal abnormalities detected as early as at diagnosis.

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[The Pathophysiology of Acquired Aplastic Anemia: Current ...](https://europepmc.org/article/MED/30047412)

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May 08, 2018 · The authors review the literature and propose that the major driver of **acquired aplastic anemia** is a combination of hematopoietic stem and progenitor **cells** intrinsic defects and an inappropriately activated **immune** response in the setting of a viral infection.

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[Clinical significance of acquired somatic mutations in ...](#)

<https://link.springer.com/content/pdf/10.1007/s12185-016-1972-8.pdf>

Clinical significance of **acquired** somatic mutations in **aplastic** anaemia 161 1 3 were detected in 72 %, most frequently involved in **immune** escape (PIGA, LOH6p) and signal transduction (STAT5B, CAMK2G), and MDS-associated SM were found in only 9 % of patients [25].

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Author: Judith Marsh, Ghulam Mufti

Publish Year: 2016