

## Alloimmunization in Thalassemia Patients

Dear Editor,

We read the publication on “Alloimmunization in thalassemia patients” with a great interest. Davoudi-Kiakalayeh *et al.* concluded that “blood matching for Rh and K antigens in patients with transfusion-dependent thalassemia could reduce the rate of red blood cell alloimmunization.”<sup>[1]</sup> We would like to share ideas and experience from our setting in Indochina where the prevalence of transfusion-dependent thalassemia is very high. In our setting, the blood matching for Rh and K antigens is routinely done in big blood bank centers. Nevertheless, the high rate of alloimmunization among the patients is still observed.<sup>[2]</sup> The problem might be due to the limitation of the availability of minor blood group matching feasibility among small blood banks in remote areas where many thalassemia patients live. According to a recent report by Jansuwan *et al.*, it was found that “splenectomy is associated with increased alloantibody formation.”<sup>[2]</sup> It might be an additional clue that there is a requirement for special minor blood group matching for the thalassemia patients with postsplenectomy status.

### Financial support and sponsorship

Nil.

### Conflicts of interest

There are no conflicts of interest.

**Beuy Joob, Viroj Wiwanitkit<sup>1,2</sup>**

<sup>1</sup>Sanitation Medical Academic Center, Bangkok, Thailand, <sup>1</sup>Department of Tropical Medicine, Hainan Medical University, Haikou, China,

<sup>2</sup>Department of Biological Science, Joseph Ayo Babalola University, Osun State, Nigeria

*Address for correspondence:*

Dr. Beuy Joob,

Sanitation 1 Medical Academic Center, Bangkok, Thailand.

E-mail: [beuyjoob@hotmail.com](mailto:beuyjoob@hotmail.com)

**Received:** 06 Jan 18 **Accepted:** 08 Feb 18

**Published:** 07 Jun 19

### References

1. Davoudi-Kiakalayeh A, Mohammadi R, Pourfathollah AA, Siery Z, Davoudi-Kiakalayeh S. Alloimmunization in thalassemia patients: New insight for healthcare. *Int J Prev Med* 2017;8:101.
2. Jansuwan S, Tangvarasittichai O, Tangvarasittichai S. Alloimmunization to red cells and the association of alloantibodies formation with splenectomy among transfusion-dependent  $\beta$ -thalassemia major/HbE patients. *Indian J Clin Biochem* 2015;30:198-203.

This is an open access article distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as the author is credited and the new creations are licensed under the identical terms.

### Access this article online

#### Quick Response Code:



#### Website:

[www.ijpvmjournal.net/www.ijpm.ir](http://www.ijpvmjournal.net/www.ijpm.ir)

#### DOI:

10.4103/ijpvm.IJPVM\_10\_18

**How to cite this article:** Joob B, Wiwanitkit V. Alloimmunization in thalassemia patients. *Int J Prev Med* 2019;10:90.

©2019 International Journal of Preventive Medicine | Published by Wolters Kluwer - Medknow