

Extended typing and confirmatory typing from Brazilian donors to international patients in 2017

Tavares N.S.; Arrais P. S. N.; Vidmontiene, D.; Cardoso, J. F.; Almada, J.; Oliveira D.

REDOME / Instituto Nacional de Câncer José Alencar Gomes da Silva

AIM

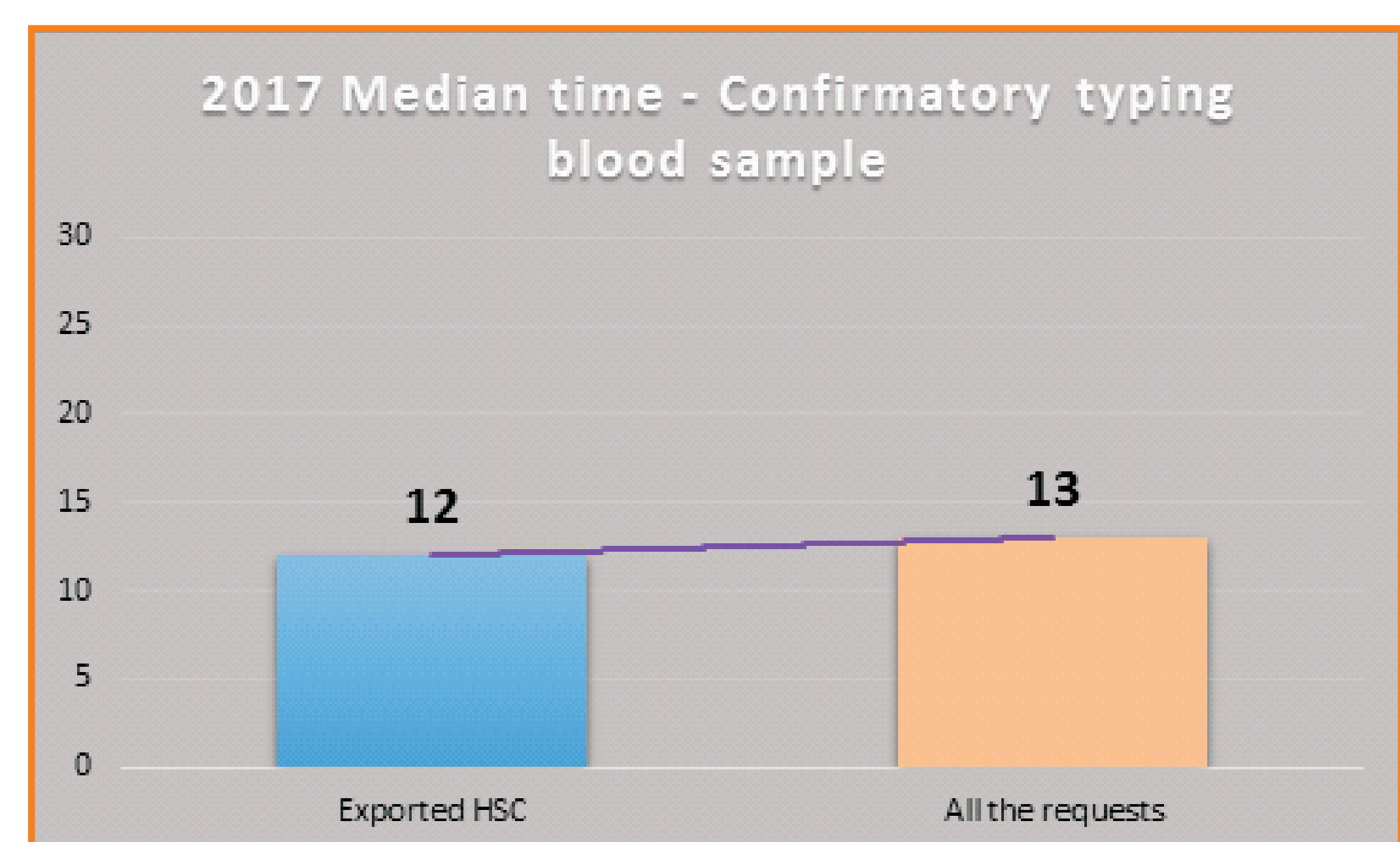
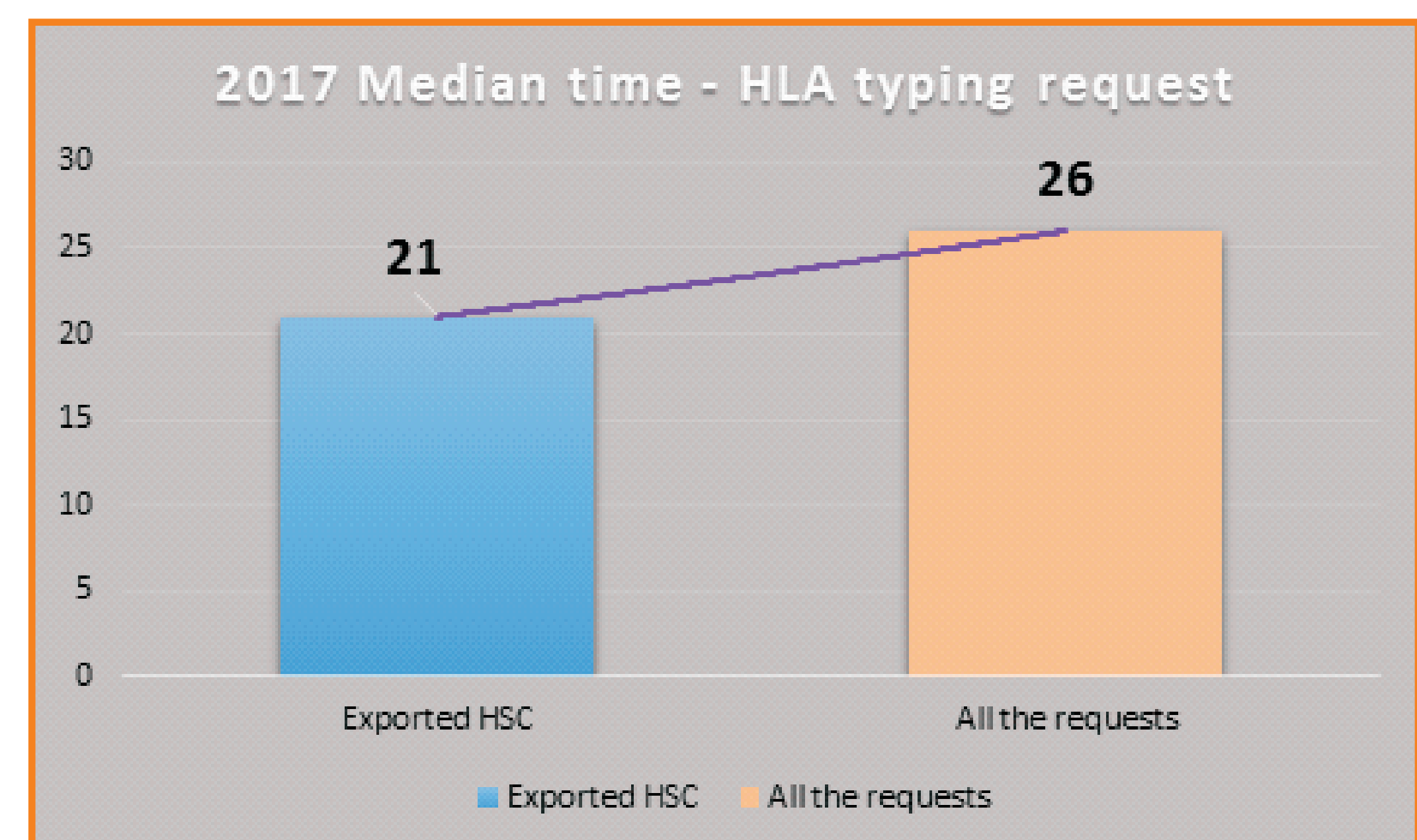
The aim of this study was to demonstrate how long it takes between the request date and result date for HLA extended typing and confirmatory typing from Brazilian REDOME donors to international patients in 2017.

METHODS

For this analysis, we selected all 88 donors that had their Hematopoietic Stem Cells (HSCs) exported in 2017 and all HLA extended typing and confirmatory typing requested in the same year, comparing the median between these two scenarios.

RESULTS

Considering the 88 donors only 32% were required to perform HLA extended typing and 68% were straight to confirmatory typing. The median time, from the date request arrive at register until result date, for HLA extended typing results was 21 days while the median time including all HLA extended typing requests in 2017 (n=2825) was 26 days, thus a disparity of 5 days. In the confirmatory testing phase, again considering request date until result date, requests were dealt on a median time of 12 days and 2% of these requests included confirmatory typing along with the workup phase due to the urgent nature of patient. Comparing these data with the 1168 CT requests in 2017, the median time was 13 days, so a difference of only 1 day was found between the first and the second scenario.



CONCLUSIONS

To sum up, this survey has demonstrated that the study of each phase of the process of HSC donation highlights the major challenges and opportunities to improvement. In this context, we can quote the delay of HLA extended typing result, compared to World Marrow Donor Association (WMDA) recommendation of 15 days which can justify the fact that majority of donor requests included CT tests directly. In addition, our great challenge is to understand the reason for such lag (21 and 26 days) always considering the main objective of REDOME, offer high quality services to our network in Brazil and abroad, as well as to patients waiting for HSC transplantation.