

OPTN/UNOS Policy Notice

Amending Unacceptable Antigens Used for CPRA

Sponsoring Committee: OPTN/UNOS Histocompatibility Committee
Policy/Bylaws Affected: OPTN/UNOS Policy 4.10: Reference Tables of HLA Antigen Values and Split Equivalences
Public Comment: No
Effective Date: January 17, 2019

Problem Statement

Recent changes to OPTN/UNOS *Policy 4.10: Reference Tables of HLA Antigen Values and Split Equivalences* were implemented adding additional alleles for DR 51, 52, and 53 to *Table 4-15: Additional Unacceptable Antigen Equivalences to be used in the Calculated Panel Reactive Antibody (CPRA) Only*. The OPTN discovered unintended results for the CPRA of transplant candidates with some DR 51, 52, or 53 alleles. Including these additional alleles in *Table 4-15* resulted in an artificially elevated CPRA for candidates with these alleles.

Summary of Changes

Some allele level specificities for DR 51, 52, 53 (5*01:01, 5*01:02, 5*02:02, 3*01:01, 3*02:01, 3*02:02, 3*03:01, 4*01:01, and 4*01:03) have been removed from Table 4-15. This will prevent kidney, kidney-pancreas, or pancreas transplant candidates from having an artificially elevated CPRA. The changes were effective as of January 17, 2019.

Important note: These DR 51, 52, and 53 alleles will still be available options to select as unacceptable antigens when registering or updating transplant candidate information, but will not be used in the calculation of the CPRA.

What Members Need to Do

Members are not required to take any direct action as a result of this change. Members should be familiar with the function of the CPRA calculator as it pertains to their area of clinical practice.

The OPTN will contact members who have affected transplant candidates to make them aware how the policy changes will impact these candidates.

Affected Policy Language

New language is underlined (example) and language that is deleted is struck through (~~example~~).

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Table 4-15: Additional Unacceptable Antigen Equivalences to be used in the Calculated Panel Reactive Antibody (CPRA) Only

Locus	Patient Unacceptable Antigen	Unacceptable DR antigen equivalences used for CPRA calculation
DR51	5*01:01	2, 15, 16
	5*01:02	2, 15, 16
	5*02:02	2, 15, 16
	51	2, 15, 16
DR52	3*01:01	3, 5, 6, 11, 12, 13, 14, 17, 18
	3*02:01	3, 5, 6, 11, 12, 13, 14, 17, 18
	3*02:02	3, 5, 6, 11, 12, 13, 14, 17, 18
	3*03:01	3, 5, 6, 11, 12, 13, 14, 17, 18
	52	3, 5, 6, 11, 12, 13, 14, 17, 18
DR53	4*01:01	4, 7, 9
	4*01:03	4, 7, 9
	53	4, 7, 9

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