Epitope in Matching in Kidney Allocation Polling

The results of the following live polls and the correct answers have been made available for your review:

01.) FUNCTIONAL EPITOPES ARE COMPOSED OF RESIDUES THAT ….

- If altered will cause a major loss in antibody activity – **63%**
- If altered will NOT cause a major loss in antibody activity - **7%**
- If altered will cause an increase in antibody activity - **32%**

Correct Answer: If altered will cause a major loss in antibody activity

02.) ASSUME YOUR KIDNEY TRANPLANT CENTER IS COMFORTABLE WITH CROSSING DSAs AS LONG AS VIRTUAL CROSSMATCH NEGATIVE. YOUR DONOR IS ASIAN AND B*46:01/C*01:02. YOU WOULD ….

- Assume VXM-negative and OK transplant w/o physical XM. No need to change DSA monitoring schedule. - **0%**
- Assume VXM-negative, OK transplant w/o physical XM and monitor closely post-transplant for DSAs. - **25%**
- Not believe the result and decline donor due to strong Bw6 donor-specific antibody (DSA). - **0%**
- Accept ONLY after physical XM and monitor closely for DSAs. – **75%**

Correct Answer: Accept ONLY after physical XM and monitor closely for DSAs.

03.) YOU ARE CALLED FOR A VXM. THE PATIENT HAS THIS DQ7 PATTERN AND YOUR DONOR IS ASIAN DQB1*03:01/DQA1*03:XX. IN YOUR OPINION ….

- The XM will be negative; the donor is acceptable (VXM-negative) – **32%**
- Not believe the pattern and decline donor due to the presence of a strong DQ7 DSA (VXM-positive) -**11%**
- Not trust the pattern and perform a physical XM before accepting or declining the donor (VXM-indeterminate) - **58%**

Correct Answer: The XM will be negative; the donor is acceptable (VXM-negative).

Speaker Comment: This is true as long as you know that no signal inhibition is occurring.