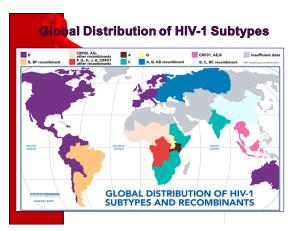
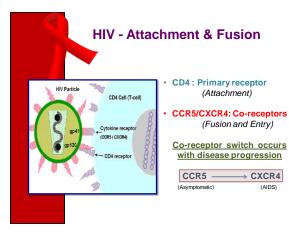
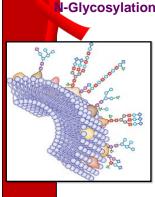


Abhilasha Mathur (University of Delhi, India)



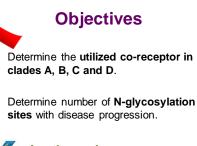






I-Glycosylations & HIV Progression

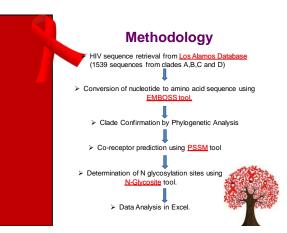
- Glycosylation refers to Addition of Glycosyl Group to N atom of asparagine residue.
- Helps virus to escape immune response.
- Number of these sites
 <u>increases with progression</u>
 <u>to AIDS</u>.

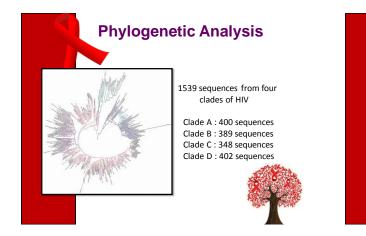


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Are these changes clade specific?







Clade B

98.90%

16.90%

AIDS

2.00%

CCR5

120%

100% 80%

60%

40%

20%

0%

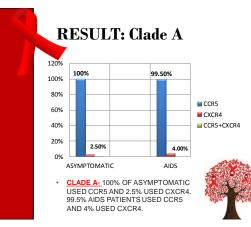
99%

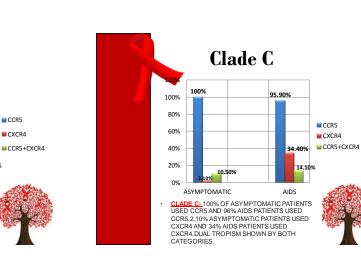
9.70%

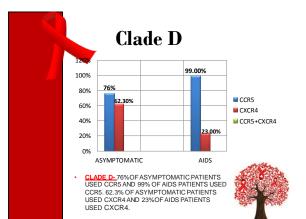
ASYMPTOMATIC

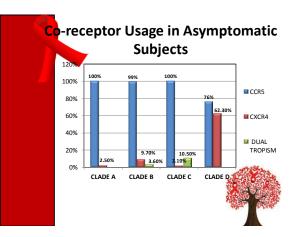
3.60%

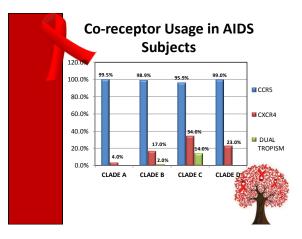
CLADE B- 99.4% OF ASYMPTOMATIC PATIENTS USED CCR5 AND 9.7% USED CXCR4. 98.9% OF AIDS PATIENTS USED CCR5 AND17% OF AIDS PATIENTS USED CXCR4. 3.6% OF THE ASYMPTOMATIC PATIENTS SHOWED DUAL TROPISM WHILE IN AIDS ONLY 2%.

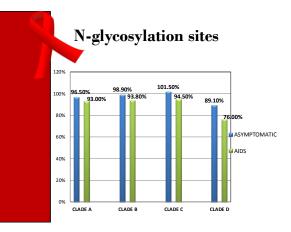


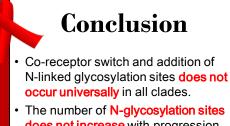












 The number of N-glycosylation sites does not increase with progression of disease.





