## A family of matched parent-child HLA haplotypes: A case study from Bahrain

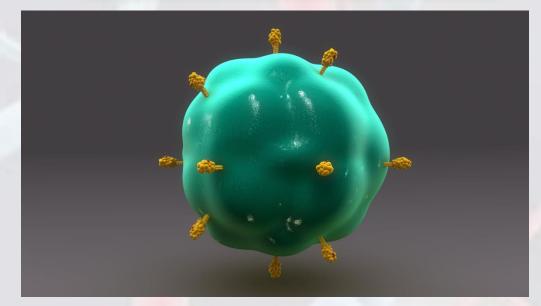
GCC Forensics Conference & Exhibition 14.Nov.2019

> Mariam Fida, MD, PhD Director | PGD Consultant | Medical Genetics



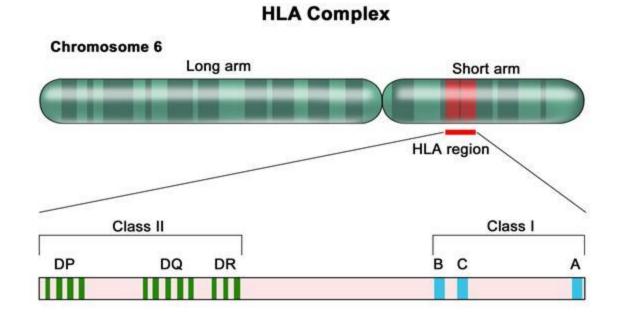


Match patient & donors for bone marrow, cord blood or organ transplants





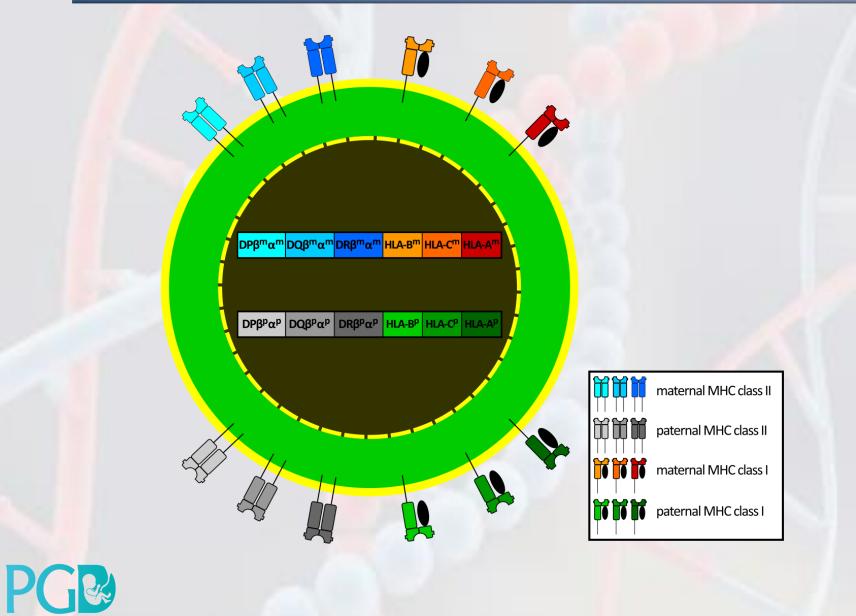




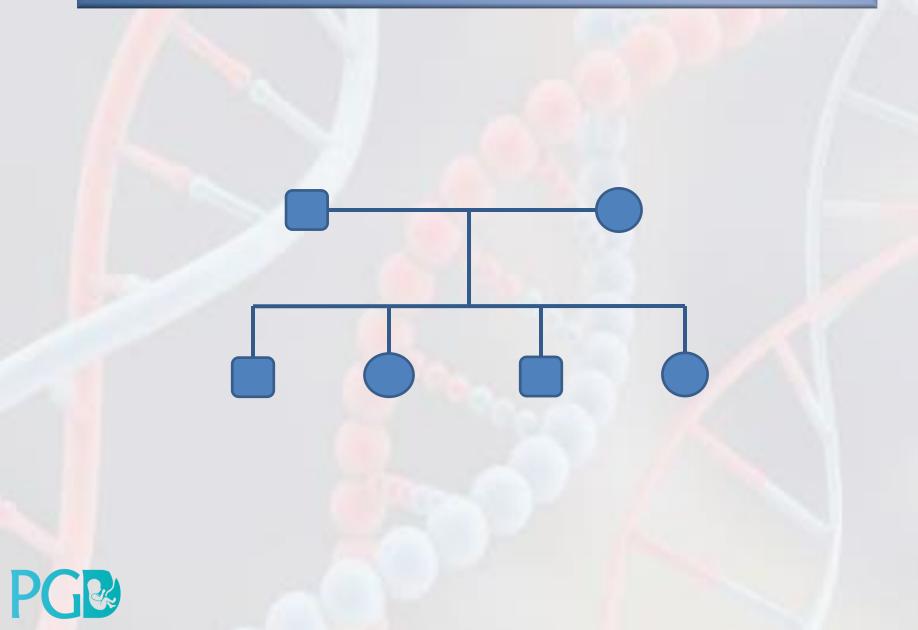
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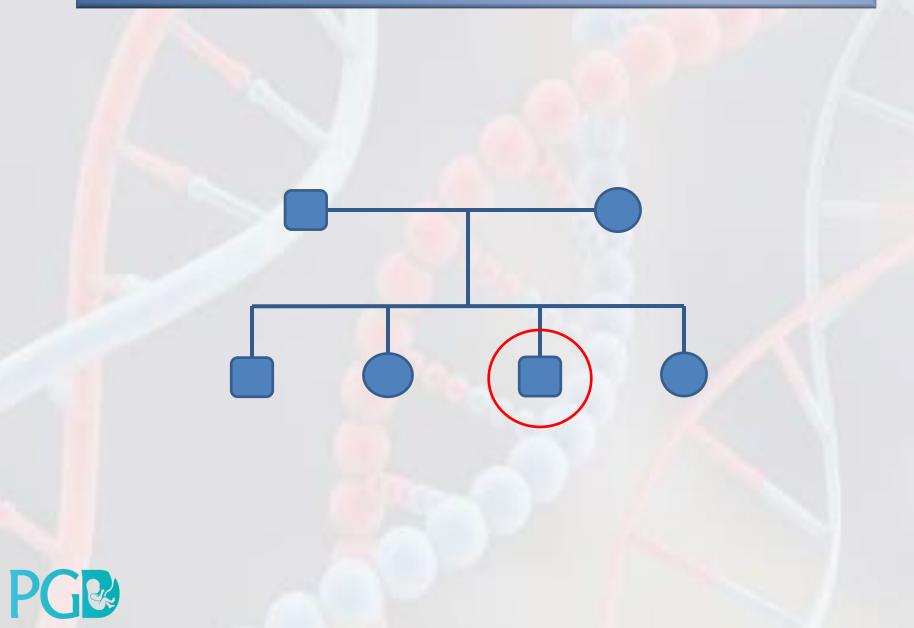




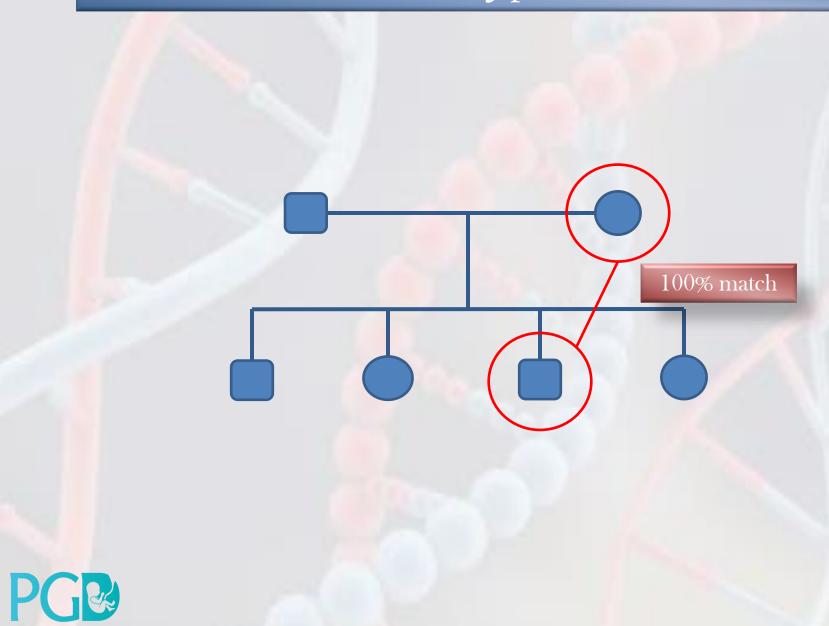
### Relatives of patient



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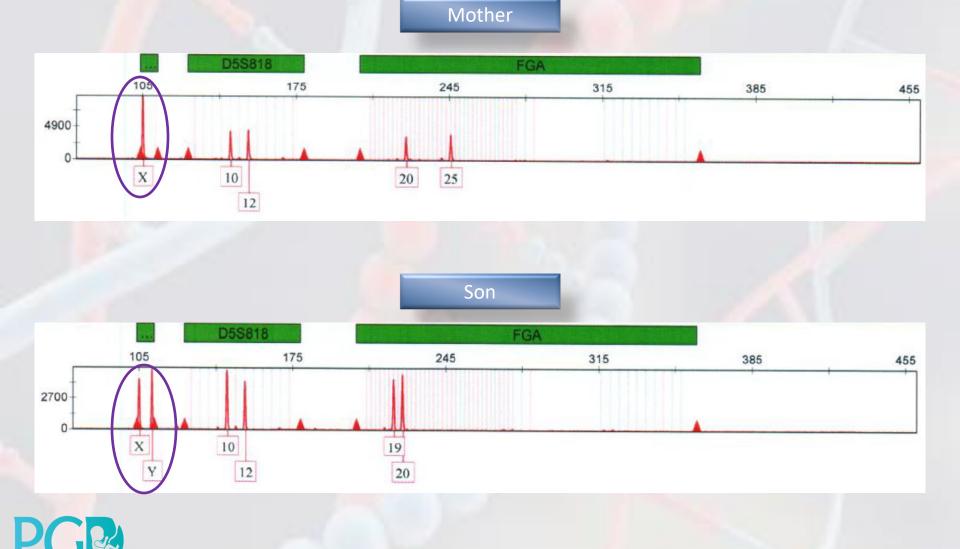


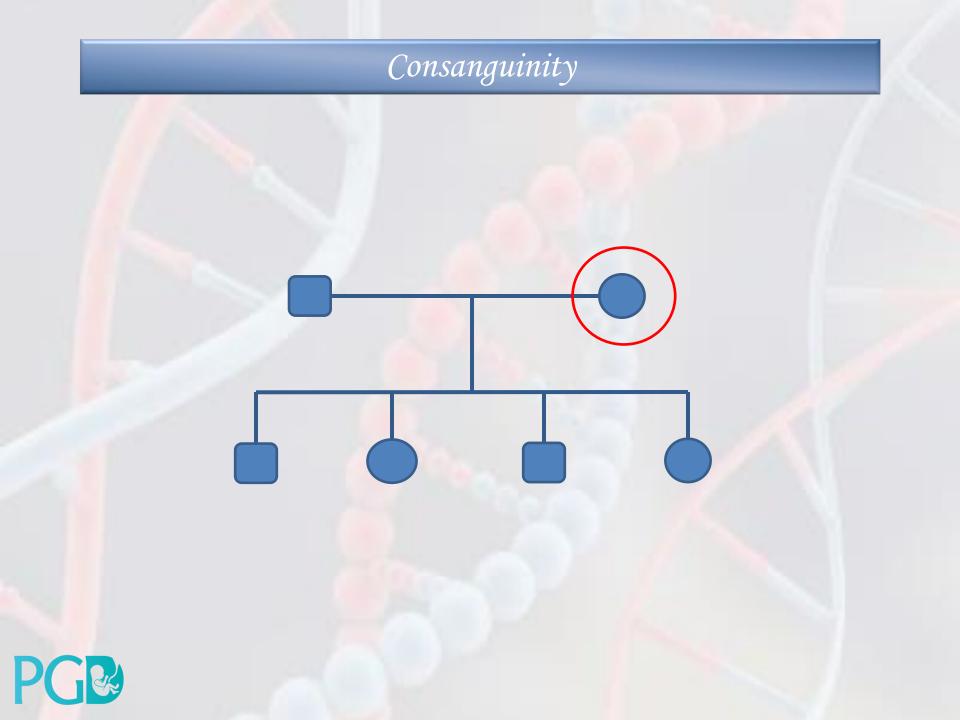
### Human Identification Test



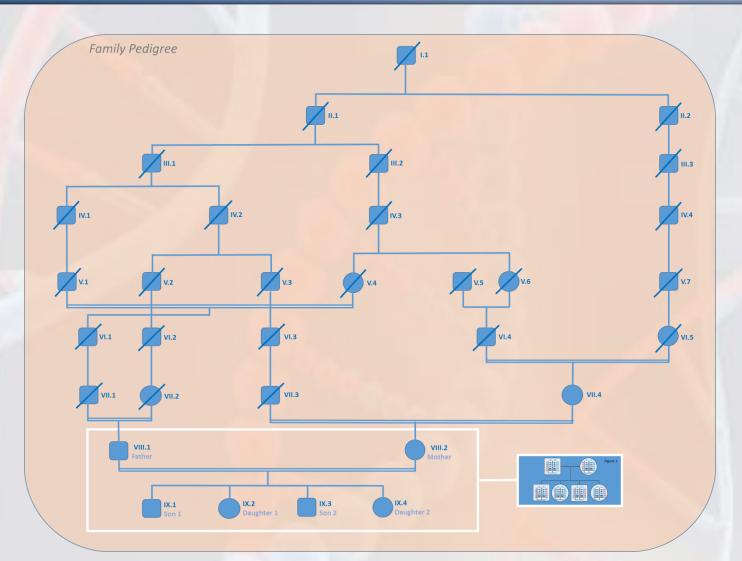


#### Human Identification Test



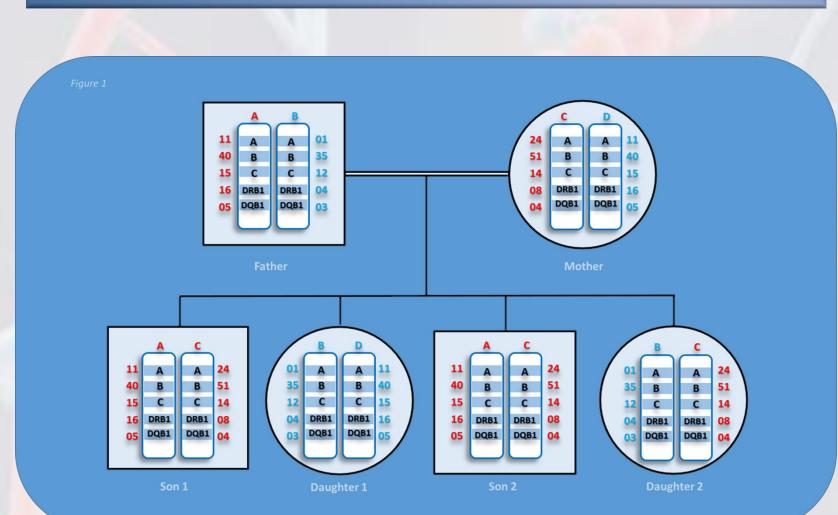


#### Extended family pedigree





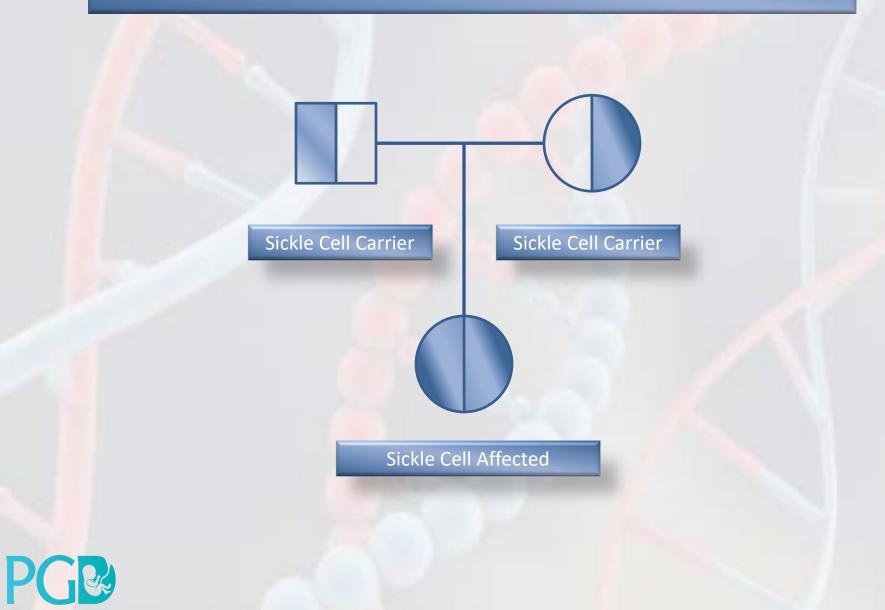
#### Family Haplotypes

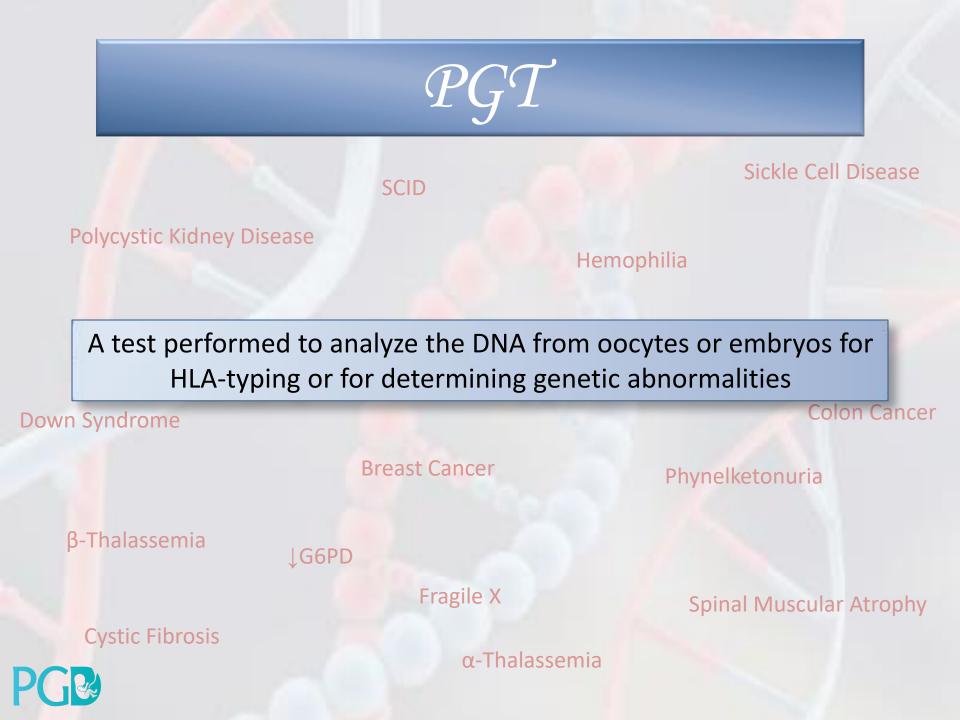


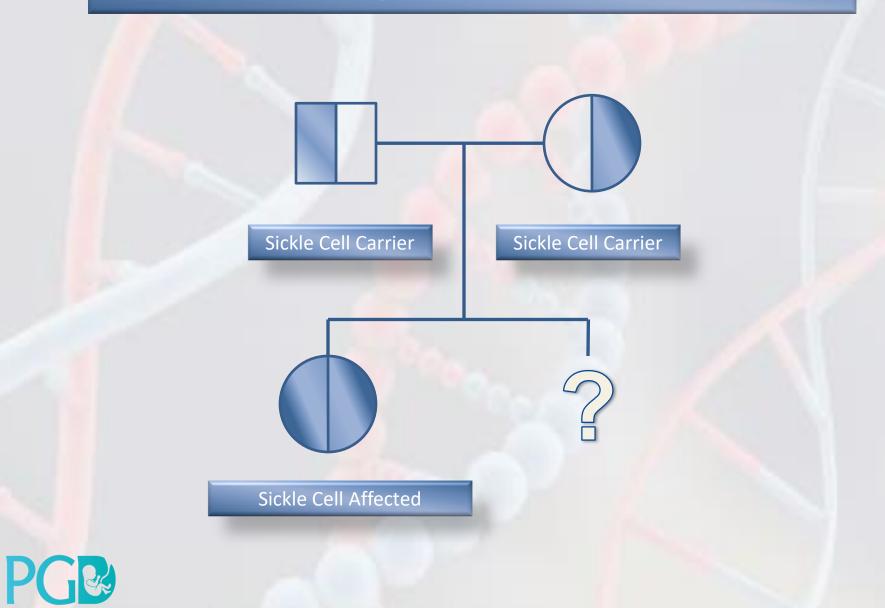


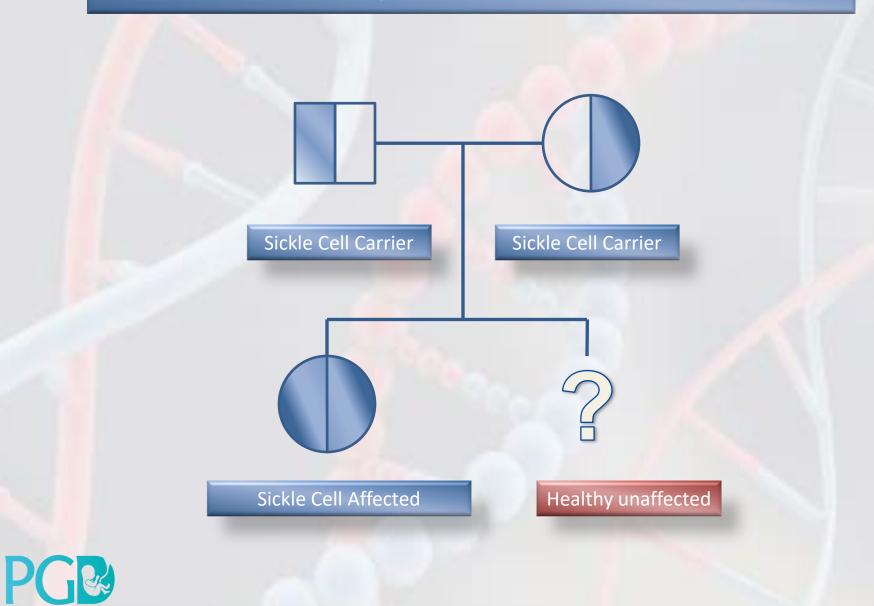
### Conclusion

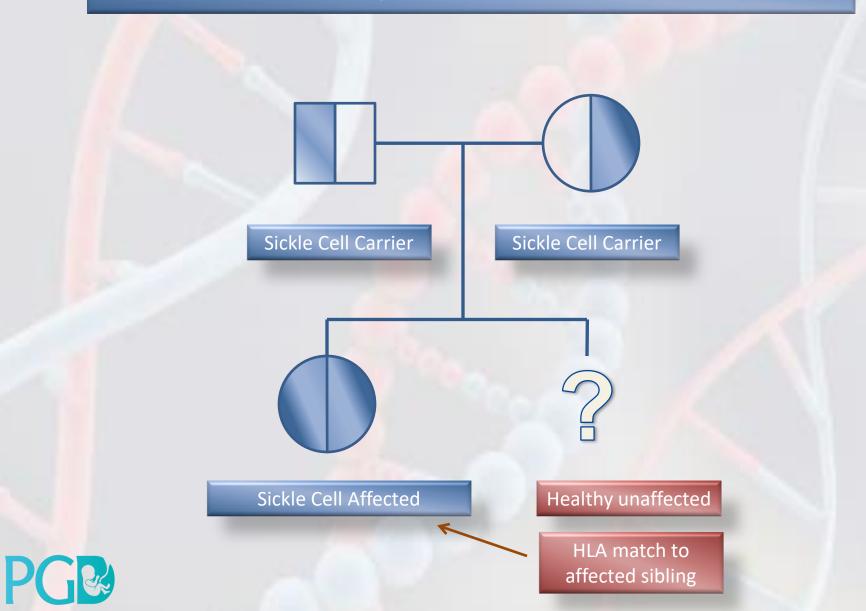




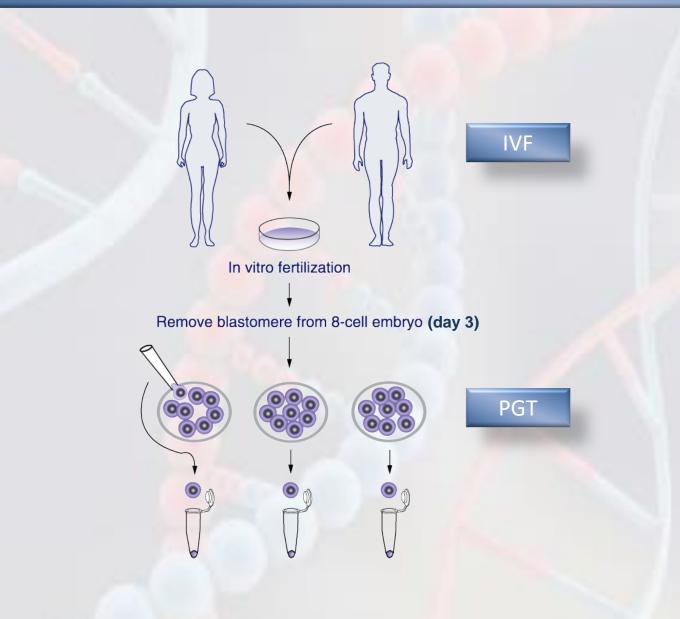






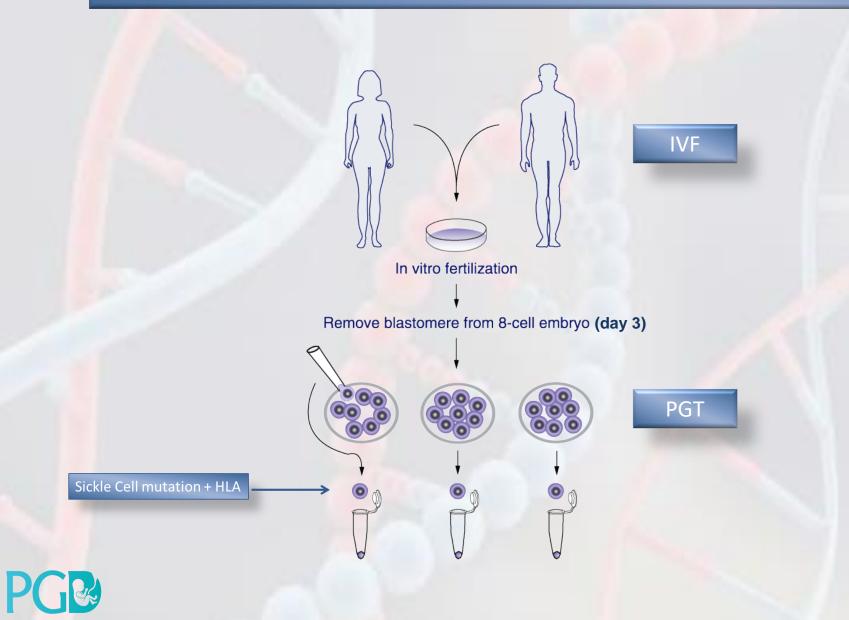


## $\mathcal{P}G\mathcal{T}$ - $\mathcal{M}$

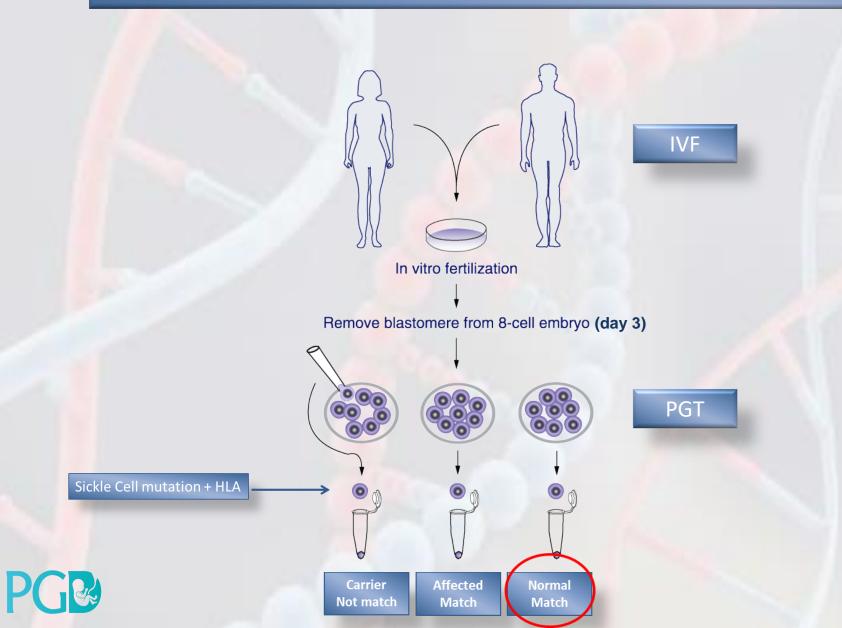




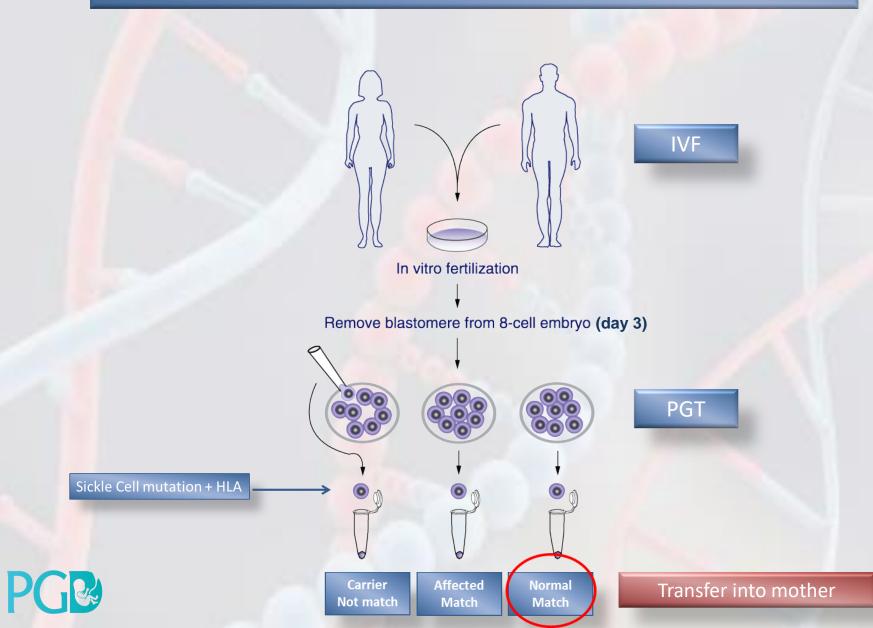
## $\mathcal{P}G\mathcal{T}$ - $\mathcal{M}$



### PGT-M



### PGT - M



### Acknowledgment



Ryan Ed Bangate Ferdinand Webnda Arnold A. Villanueva





# Thank you!

DrMariamPGD

DrMariamPGD@gmail.com

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