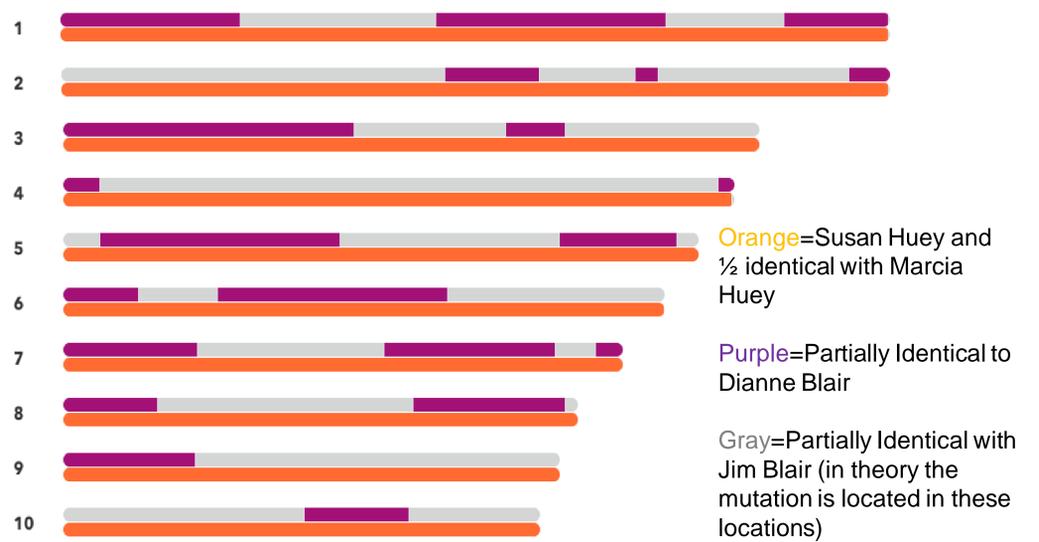


# The Blair Family Nail Mystery... Continued

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Susan Huey DNA Comparison with Mother and Grandmother, Huey, 2019



Last year an attempt to solve the family mystery of the curved nails a pedigree tree was made and an analysis of DNA by 23&me.com. The results were that the mutation is dominant, and that there was no name at the time to be found. In attempt to find a possible name more research was conducted this year. With a tool on 23&me.com a DNA comparison with family members who do and do not have the mutation could be done, and more research journals could be searched for possible mention of characteristics presented with the mutation.



Beau Huey Nails, Huey 2018

Two family members who also had the testing completed allowed for the comparison of DNA. By looking at the location of similar DNA it might be possible to narrow down. However, with the endless possibilities and inability to find research that listed specific chromosomes where the mutation might be for my family that search ended in failure. However, someone who is a dermatologist or geneticist could possibly do more than I could.

Upon failure of DNA comparison as far as my abilities could take me the next step was to delve into journals and research of nail mutations.

I discovered that the name of the curvature of the nails is known as onychiauxis inheritance. This curvature is found in many different nail mutations. I also discovered that it is possible that the mutation is like yellow nail syndrome. This syndrome according to several geneticist and dermatologist can be inherited. Although not all the symptoms are the same the similarities are undeniable. Not much research has been done in this area, however, according to the National Organization for Rare Disorders research it is possible that the disorder can run in families and follows an autosomal dominant pattern (National Organization for Rare Disorders, 2018).

Though it is not confirmed and what research was done was limited in success some answers were found. To find more conclusive answers professionals that are experts in the field of genetics and dermatology are needed.



Fig. 71.14 Yellow Nail Syndrome, Piraccini & Tosti, 2012

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