# HASTALIAN BOUND HASTANES

# IGFALS Gene Deletion in a Family with Short Stature

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## **Backround:**

ALS deficiency is characterized by mild short stature, delayed puberty, low serum IGF1, low serum IGFBP3 and undetectable serum ALS levels.

### Case:

11.3 years old, boy, presented with short stature.

Term, Birth weight? (unknown), consanguineous parents

Height: 130.5 cm (-2.33 SDS)

Weight: 25.2 kg (-2.36 SDS)

BMI: 25.2 kg (-1.6 SDS), HC: 49.8 cm

US/LS: 1 (+1>-<0 SDS), AS-Height: -5.5 cm (-1>-<-2 SDS)

System exam were normal, TV 2/2 cc, Pb2

CA: 11 y 3/12 m,

BA: 9 y

PAH: 165.6 cm (-1.68 SDS)

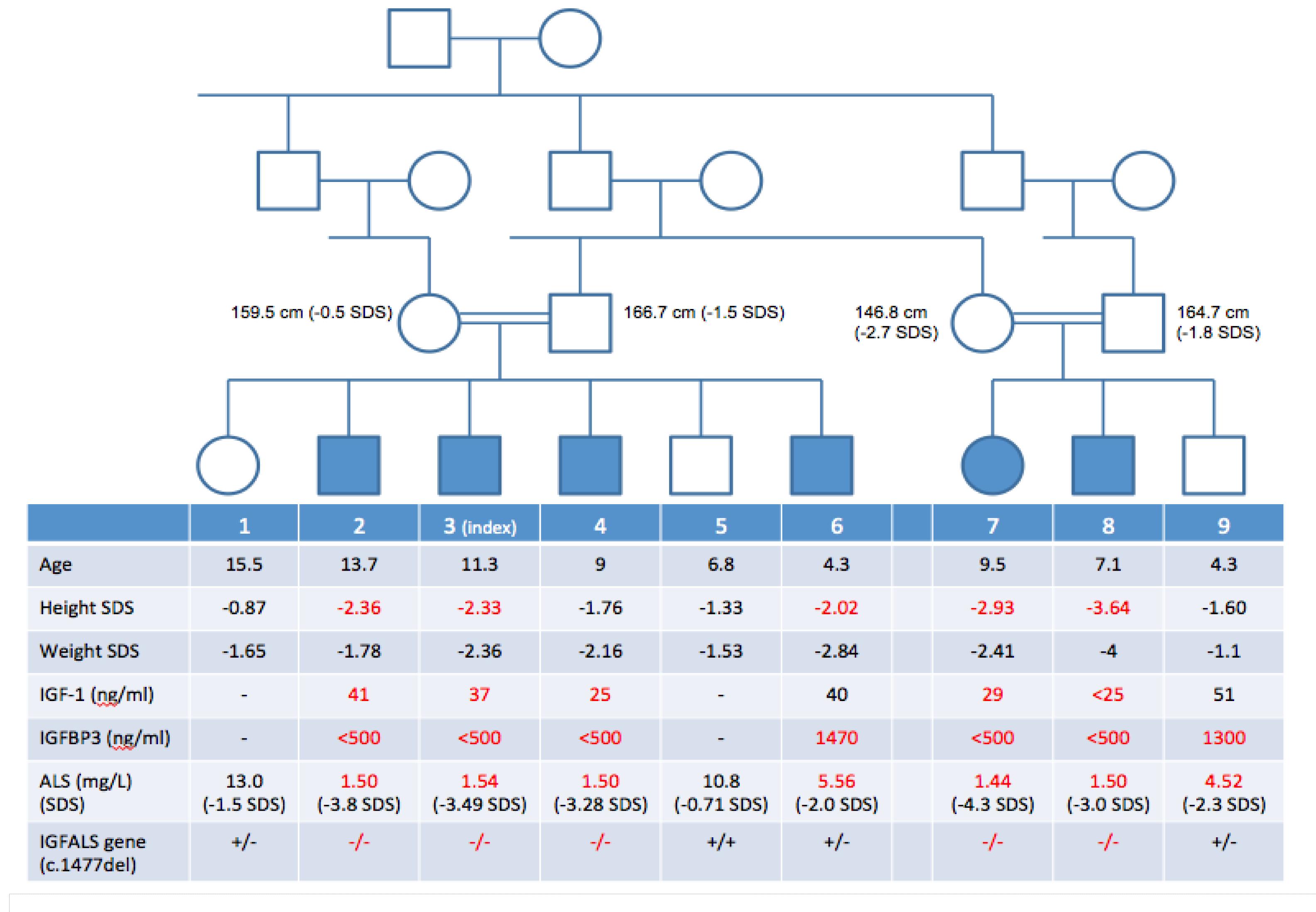
MPH: 169.6 cm (-0.99 SDS)

IGF-1: 37.6 ng/ml (111-551 ng/ml)

L-dopa peak GH: 10.3

Table 1: IGF generation test

	Before	After
IGF-1 (ng/ml)	37	39
IGFBP3 (ng/ml)	<500	<500



**Conclusion:** Since, patients with ALS deficiency have mild short stature and heterozygous parents have low-normal height, these patients can be diagnosed as familial short stature. Therefore, the physician should be careful at differential diagnosis of short stature.



