

Table 1: Clinical characteristic and summary of investigations at baseline

	Case 1	Case 2	Case 3
Date of birth	11/10/2006	08/12/2010	15/05/2015
Chronological age	10 years	6 years	1.5 years
Height	77.5 cm	71.5 cm	55.5 cm
Height SDS	-9.2	-7.8	-8.7
Height age	18 months	9 months	3 months
Weight	8 kgs	8 kgs	4.1 kgs
Weight age	9 months	9 months	3 months
US:LS	1	1.1	1.18
Investigations			
Bone age (according to the Greulich and Pyle chart)	4.5 years	2 years	2 year
Insulin like growth factor (IGF)1	<25 ng/ml (Ref: 75-546ng/ml)	34.4 ng/ml (Ref: 53-258 ng/ml)	<25 ng/ml (Ref: <25-258ng/ml)
IGF binding protein (IGFBP)3			0.2 µg/ml (Ref: 0.7-3.6 µg/ml)
Basal GH	<0.05 ng/ml	<0.05 ng/ml	<0.05 ng/ml
Clonidine stimulated GH	All values <0.05 ng/ml	All values <0.05 ng/ml	All values <0.05 ng/ml
Free thyroxin (T4)	1.31 ng/dl (Ref: 0.8-1.8 ng/dl)	1.1 ng/dl (Ref: 0.8-1.8 ng/dl)	1.42 ng/dl (Ref: 0.9-2.4 ng/dl)
Thyroid stimulating hormone (TSH)	6.37 mIU/L (Ref: 0.7-6.4 mIU/L)	6.5 mIU/L (Ref: 0.7-6.4 mIU/L)	3.35 mIU/L (Ref: 0.7-6.4 mIU/L)
8:00 AM cortisol	9.4 µg/dl (Ref: 5-25 µg/dl)	10.2 µg/dl (Ref: 5-25 µg/dl)	7 µg/dl (Ref: 5-25 µg/dl)
Post-synacthen cortisol	22.1 µg/dl	19.8 µg/dl	18.2 µg/dl
Magnetic resonance imaging (MRI) of hypothalamo-pituitary area	Small anterior pituitary, normal stalk and eutopic bright spot	Small anterior pituitary, normal stalk and eutopic bright spot	Small anterior pituitary, normal stalk and eutopic bright spot
Growth velocity after rhGH			
1 st year of therapy	9.5 cm	6.3 cm	13.5 cm
2 nd year of therapy	2.5 cm	2.4 cm	15 cm
3 rd year of therapy	1.5 cm	1.9 cm	4.9 cm (0.6 cm in first 7 months & 4.3 cm in next 5 months) (rhGH was stopped for first 7 months)