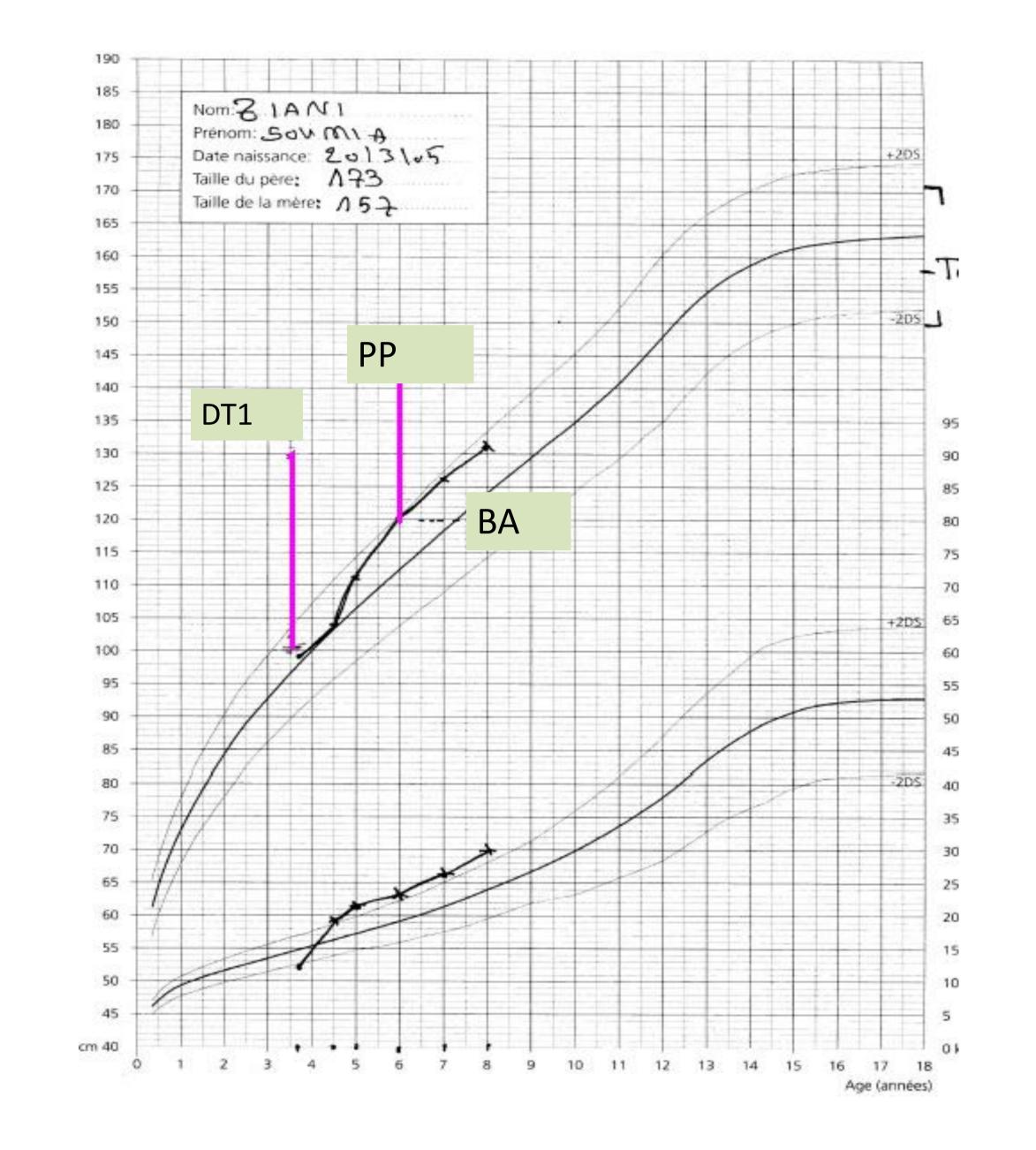
Type 1 diabetes mellitus and precocios puberty : rare association

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- Precocious puberty is defined as pubertal development that begins at an earlier age than expected; most pediatric endocrinology subspecialists use cutoff ages of 8 years for girls and 9 years for boys.
- We present a girl with type 1 diabetes developed at the age of 3 years, with good glycemic control using insulin.
 at the age of 6 years child had breast enlargement, height increase, and an increase in growth velocity
- We reported in this case, rare association between type 1 diabetes mellitus and precocios puberty.

clinical examination

- ✓ weight: 23 kg (+1,65DS)
- ✓ Height: 121cm (+2,04 DS)
- \checkmark BMI=15,70 Kg/m²
- ✓ Tanner classification: A1P3 S3



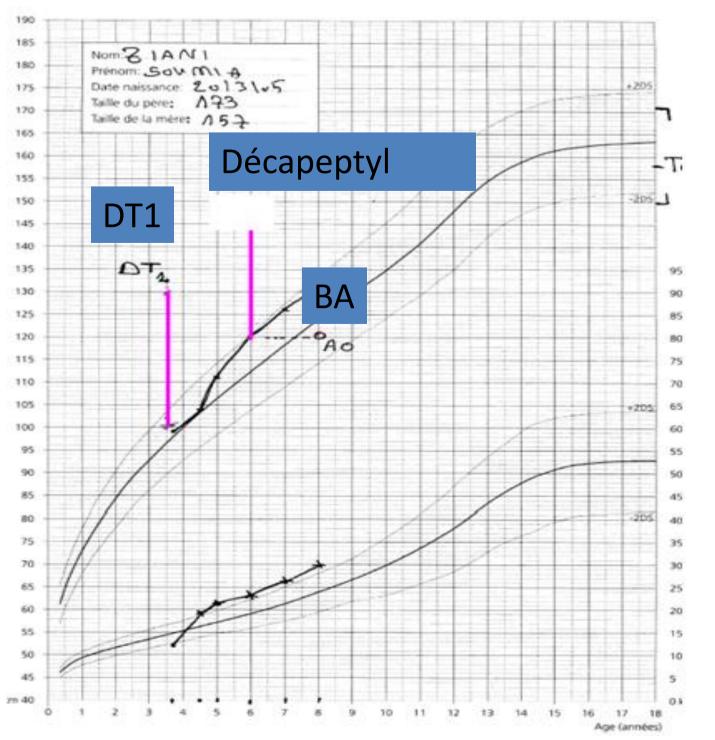
- Vaginal mucosa was estrogenized.
- ✓ Growth velocity: 8,5 cm/years
 - Are there any signs of estrogenic impregnation?
- Pelvic ultrasound:
 - uterine size:37mm
- \checkmark ovarian size and volume:
 - L: 15,9 mm x 11,1 mm
 - R :17,4 mm x 12,3 mm.
- ✤ bone Age: 8 ans,
- Chronological Age: 6 ans

Biochemically and MRI

- GnRH stimulation test:
 LH = 5,8 IU/L
 - MRI: NL

Central precocious puberty idiopathic







Conclusion

- Precocious puberty and type 1 diabetes is a rare association.
- The relationship has not been determined

