**BACKGROUND**

Hello! As you can guess I am not yet born but I hear everything my parents say. I don't understand the meaning but I can repeat everything.

I understood two important things:
1. In a few years, it will be better not to have scoliosis.
2. The measurement of the prominences of the trunk is a fundamental assessment to discover it and follow the treatment.

**AIMS** of the trial was:
1. Checking consistency of the measurements taken with the scoliometer and the smartphone adapted with the tweezers.
2. Verification of the intra-operator reliability.
3. Verification of the inter-operator reliability.
4. Verification of the reliability of the measurements performed by an inexperienced assessor compared to the same measurements performed by an expert assessor.

Statistical analysis was performed by a third operator, using Pearson's correlation index and Bland-Altman plot.

**RESULTS** showed a very good consistency using both statistical tests.

The Pearson's correlation Indices are:
- Inexperienced assessor using scoliometer and smartphone 0.737
- Inexperienced assessor internal consistency 0.682
- Expert assessor using scoliometer and smartphone 0.862
- Expert assessor internal consistency 0.756

For both Bland-Altman plots the systematic average error, is very close to 0 (0.08 – 0.12).

All the points corresponding to the measures fell within area defined by +/- 2SD with the exclusion of only one in plot 2. (on the right 😊)

**CONCLUSION**

Using tweezers to adapt a smartphone and making it suitable to measure the prominences of a trunk that has a scoliosis is a procedure having two specific advantages:

- The tweezers can be applied to any type of smartphone and overcome the problem of the size and the design of any of it.
- The tweezers are extremely cheap and easily available.