What has head to head comparison of fluid versus air filled pressure systems during clinical cystometry and pressure flow measurement learnt us?

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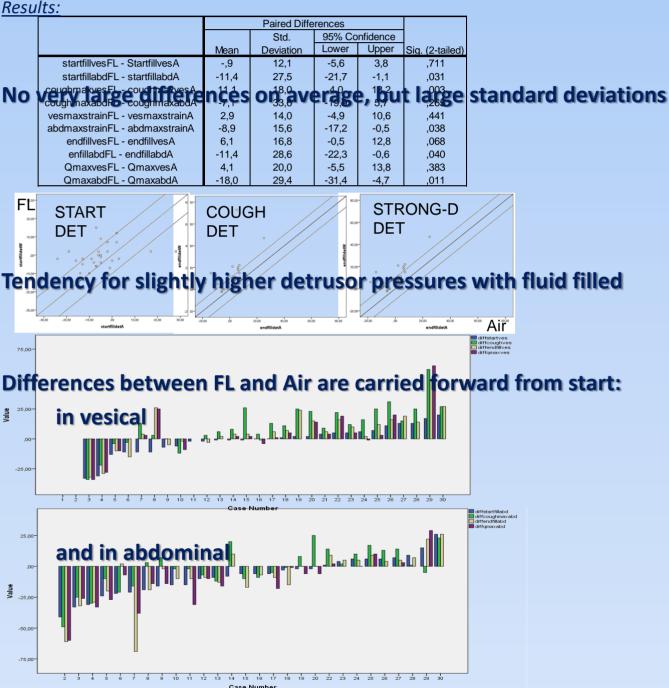
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Introduction:

- We have compared how both systems perform when used head to head during otherwise ICS standard cystometry.
- 40 patients with signs and or symptoms of LUT dysfunction were recruited, after IRB approval of the protocol and individual written informed consent.



Conclusions:

Mean differences between fluid and air filled measurement systems for urodynamic testing are small.

If analysed per test however, the two systems may differ in the pressures 'produced'.

Differences in 'zero', especially at the start of the (FL) cystometry are relevant.

In the majority of measurements the difference between the fluid and the air filled system can be regarded as 'offset' difference, that does not significantly affect the pressure pattern obtained.