

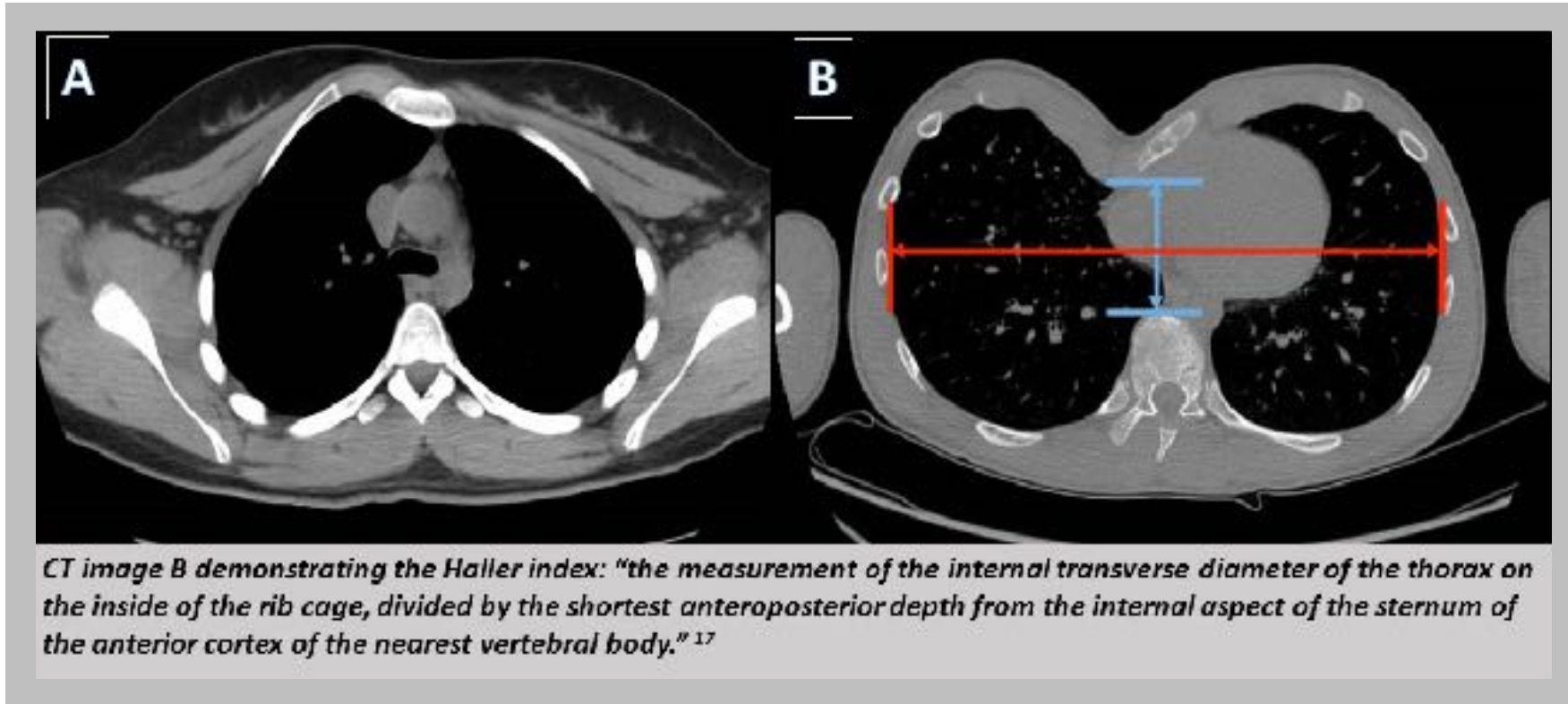


Pectus Index: a novel marker for the clinical severity of pectus carinatum deformity

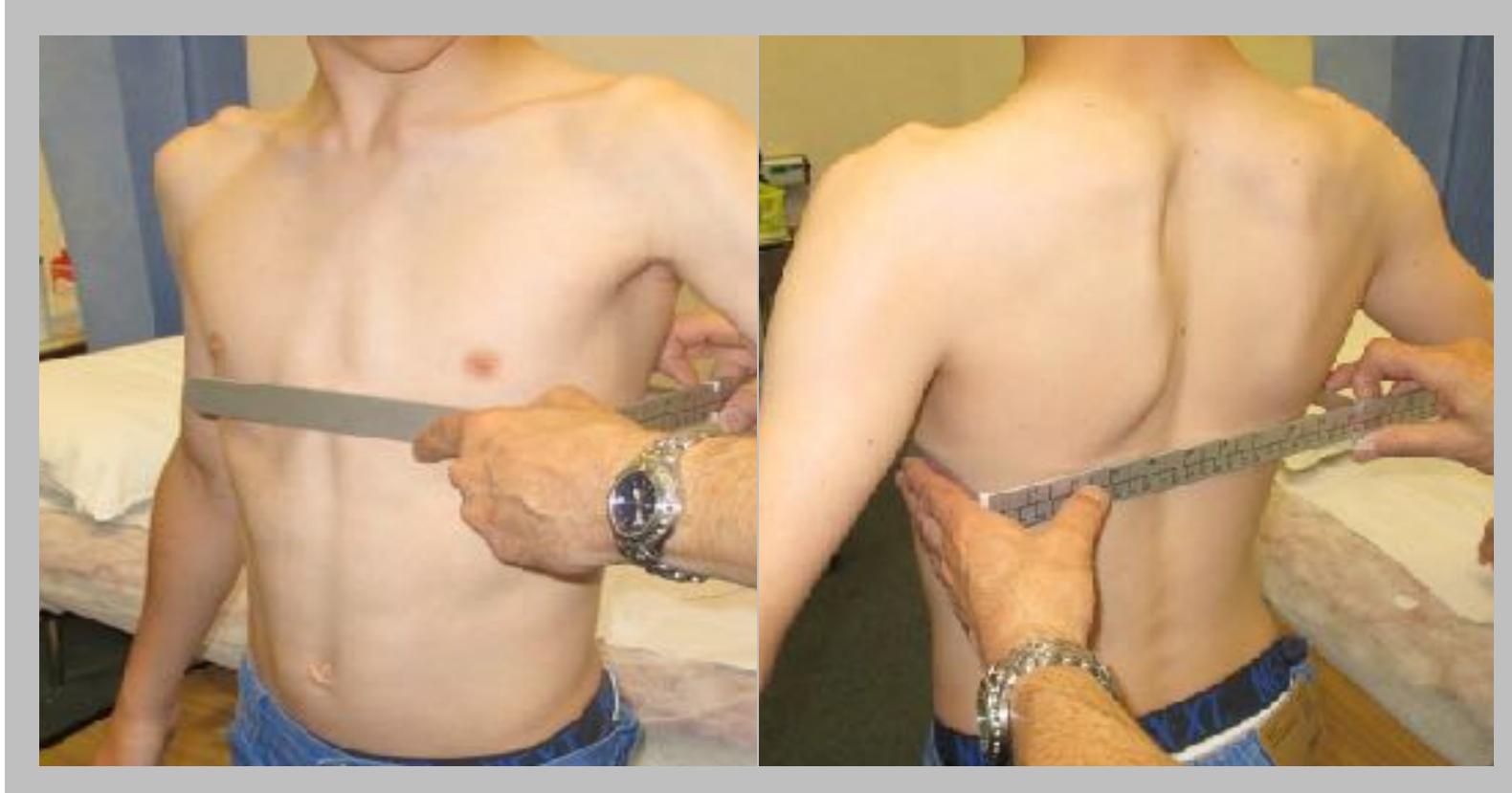
Ms. Leanne Harling, Ms. Stephanie Fraser, Mr. Ian Hunt



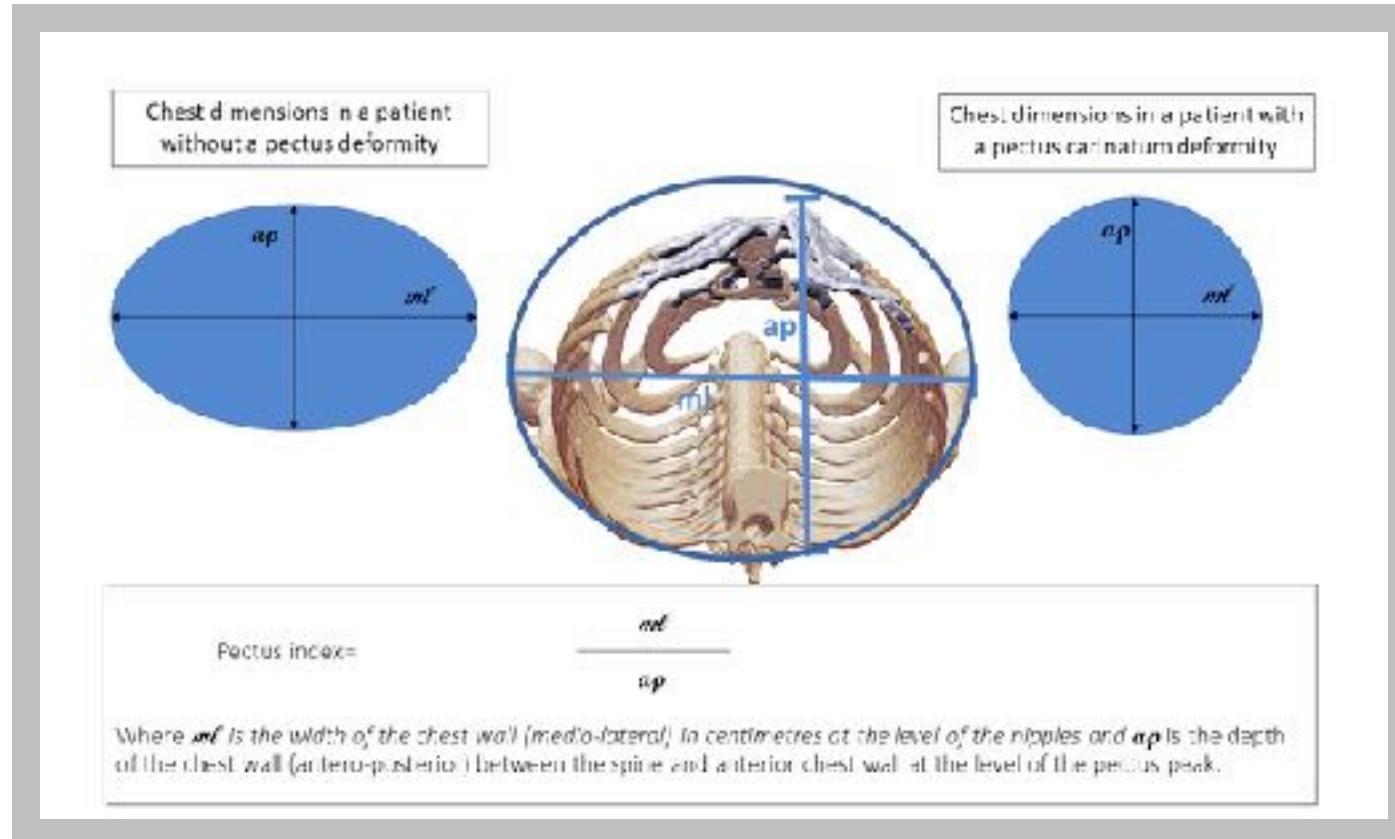
Radiological Haller



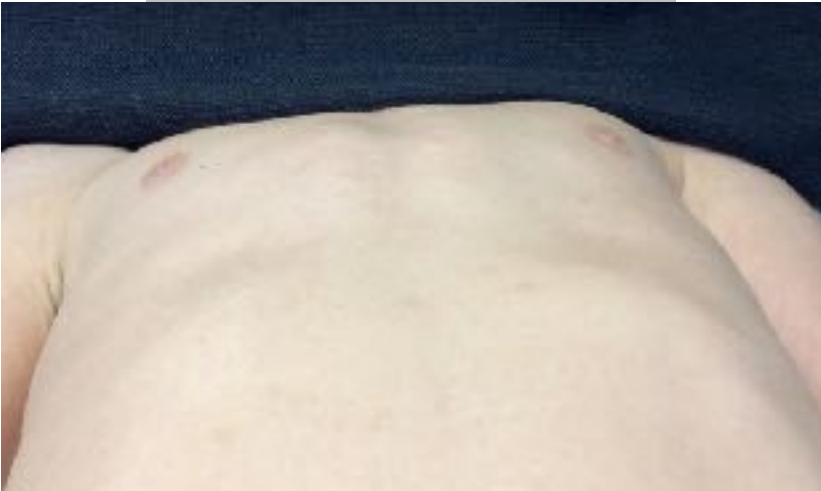
Technique: physical measurements



Technique: calculation



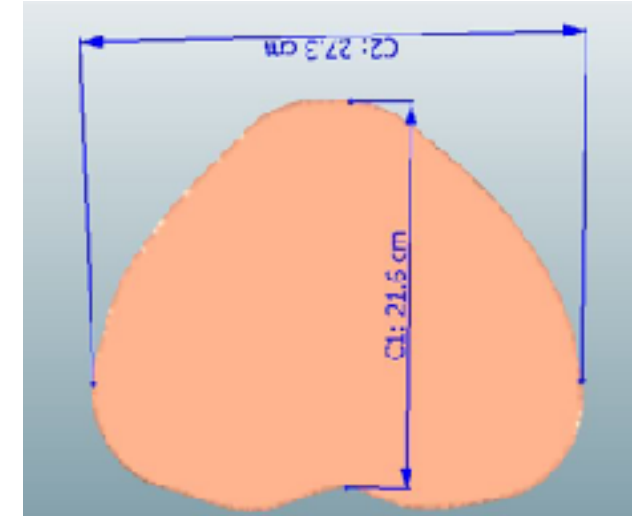
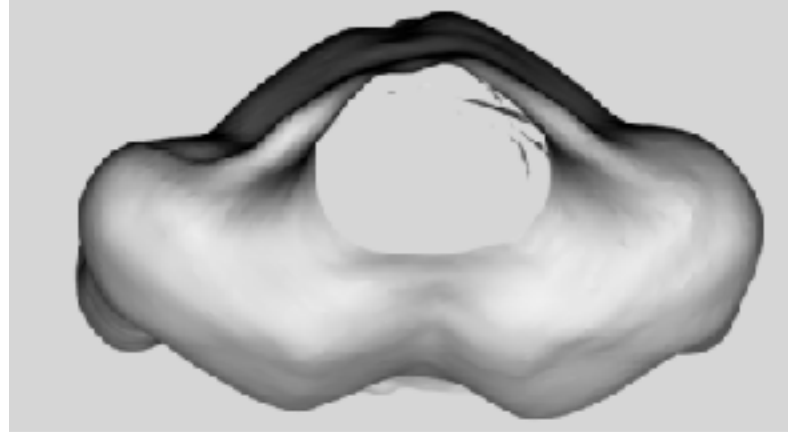
Comparison with clinician's assessment



Development - Use of 3D topographic Scanner



Conventional MRI



Topographic scan using handheld 3D scanner allows precise measurements to be taken



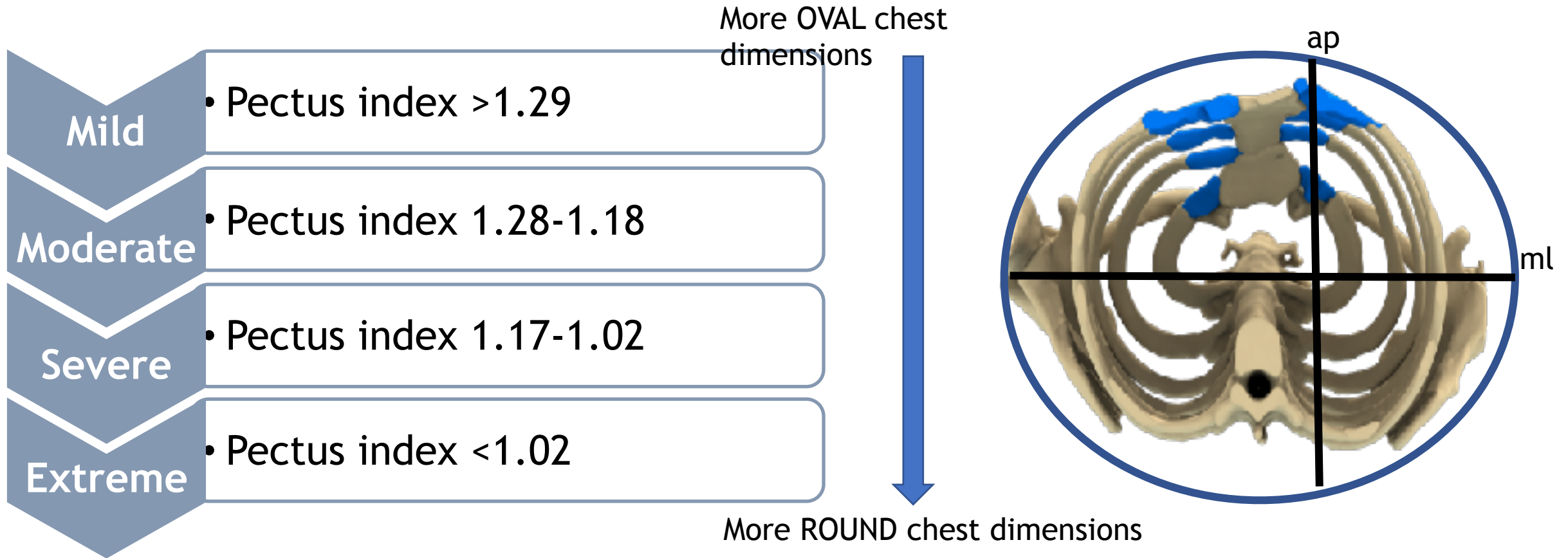
Statistical analysis with STATA 12.0

Table 1

Clinical Severity	n	Coefficient	P	95% LCI	95% UCI
Mild	6	1	—	—	—
Moderate	55	-0.104	0.022	-0.192	-0.015
Severe	81	-0.217	0.000	-0.305	-0.130
Extreme	2	-0.265	0.002	-0.434	-0.097



Pectus Index



Applications



Cheap and easy
adjunct to
clinical
assessment



Objective tool to
enable
comparison of
results



Reproducible
result for
monitoring
of progress
with treatment

