

Supplementary article data

Routine functional assessment for hip fracture patients

Are there sufficient predictive properties for subgroup identification in treatment and rehabilitation?

Tonny J PEDERSEN ^{1,2} and Jens M LAURITSEN ^{3,4}

¹ Rehabilitation Department, OUH Odense University Hospital, Svendborg Hospital; ² Institute of Public Health, University of Southern Denmark; ³ Orthopaedic Department, OUH Odense University Hospital; ⁴ Institute of Clinical Research, University of Southern Denmark, Odense, Denmark.
Correspondence: tonny.jaeger.pedersen@rsyd.dk
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Table 3. Inter-tester reliability of the 3 measurement tools. Comparison of assessments performed by the project staff and the regular staff. NMS is not performed in the routine setting

	ICC	95% CI	Changes in mean	95% CI	Limits of agreement	SE of measurement	Smallest detectable change
Barthel-20	0.64	0.57 to 0.72	0.004	-0.25 to 0.26	-4.2 to 1.2	1.2	3.4
Barthel-100	0.69	0.62 to 0.75	0.64	-0.61 to 1.9	-20 to 21	5.7	16
CAS	0.73	0.67 to 0.78	0.013	-0.06 to 0.07	-1.1 to 1.1	0.29	0.8

CAS: Cumulated ambulatory score

Table 4. Prediction of selected outcome at 4 months (non-parametric ordinal correlation)

	Gamma coef.	95% CI	p-value
Survival at 4 months (n = 165) ^a			
Barthel-20	0.59	0.41 to 0.78	< 0.001
Barthel-100	0.56	0.37 to 0.76	< 0.001
CAS	0.60	0.36 to 0.85	0.003
NMS	0.51	0.30 to 0.71	< 0.001
Maintained residence status (n = 127) ^b			
Barthel-20	0.52	0.33 to 0.70	< 0.001
Barthel-100	0.52	0.35 to 0.69	< 0.001
CAS	0.32	-0.20 to 0.84	0.2
NMS	0.47	0.29 to 0.65	< 0.001
Independent walking ability (n = 156) ^c			
Barthel-20	0.61	0.48 to 0.74	< 0.001
Barthel-100	0.55	0.43 to 0.68	< 0.001
CAS	0.71	0.53 to 0.89	< 0.001
NMS	0.48	0.31 to 0.65	< 0.001

^a Survival was coded as follows: alive = 1; deceased = 0.

^b 38 lived in nursing home before the hip fracture. Maintained residence status was coded as follows: yes = 1; no = 0.

^c 9 did not walk independently before the hip fracture. Independent walking ability was coded as follows: yes = 1; no = 0.

CAS: Cumulated ambulatory score

NMS: New mobility score