Supplementary Table 2: Overview about the four facial grading systems

Effect of an intensified combined electromyography and visual feedback training on facial grading in patients with postparalytic facial synkinesis

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Supplementary Table 2. Overview about the four facial grading systems*		
Grading system	**Categories**	**Comment**
House-Brackmann (HB) facial nerve grading system	I - Normal II - Mild dysfunction (slight weakness, normal symmetry at rest) III - Moderate dysfunction (obvious but not disfiguring weakness with synkinesis, normal symmetry at rest) Complete eye closure w/ maximal effort, good forehead movement IV - Moderately severe dysfunction (obvious and disfiguring asymmetry, significant synkinesis) Incomplete eye closure, moderate forehead movement V - Severe dysfunction (barely perceptible motion) VI -Total paralysis (no movement)	Gross system, no category for synkinesis
Stennert Index (SI)	Resting score Bilateral palpebral fissure difference ≥3mm Lower eyelid ectropion Yes Nasolabial fold loss Yes Ptosis of labial angle ≥3mm Movement score Palpebral fissure could not close While sleeping Yes Maximum activation Yes	One point per item, i.e. maximal ten points, higher score = more dysfunction; Synkinesis is not addressed in the Stennert Index. Stennert developed an extra score for synkinesis that is seldom used.

	Showing teeth Upper and lower canines Not visible Upper lateral incisors Not visible Whistle distance between philtrum and corner of the mouth on diseased side compared to healthy side >50%	

| Facial Nerve Grading System 2.0 (FNGS 2.0) | | FNGS 2.0 includes an subcategory on "secondary movements", classifying the severity of synkinetic activity; higher synkinesis score = more synkinetic dysfunction;

Higher total score = higher facial dysfunction |

	Region			
Score	Brow	Eye	NLF	Oral
1	Normal	Normal	Normal	Normal
2	Slight weakness >75% of normal	Slight weakness >75% of normal Complete closure with mild effort	Slight weakness >75% of normal	Slight weakness >75% of normal
3	Obvious weakness >50% of normal Resting symmetry	Obvious weakness >50% of normal Complete closure with maximal effort	Obvious weakness >50% of normal Resting symmetry	Obvious weakness >50% of normal Resting symmetry
4	Asymmetry at rest <50% of normal Cannot close completely	Asymmetry at rest <50% of normal	Asymmetry at rest <50% of normal	Asymmetry at rest <50% of normal
5	Trace movement	Trace movement	Trace movement	Trace movement
6	No movement	No movement	No movement	No movement

Secondary movement (global assessment)

Score	Degree of movement
0	None
1	Slight synkinesis; minimal contracture
2	Obvious synkinesis; mild to moderate contracture
3	Disfiguring synkinesis; severe contracture

Reporting: sum scores for each region and secondary movement

Grade	Total score
I	4
II	5-9
III	10-14
IV	15-19
V	20-23
VI	24

NLF, nasolabial fold.

| Sunnybrook Facial Grading System (SFGS) | | SFGS 2.0 includes an subcategory on "synkinesis, classifying the severity of synkinetic activity; higher synkinesis score = more synkinetic dysfunction;

BUT: Higher total score = less facial dysfunction |

*References: See main article.