Patient's label

GUSS

(Gugging Swallowing Screen)

Date:
Time:
Investigator:

1. Preliminary Investigation / Indirect Swallowing Test

		YES	NO
VIGILANCE	The patient must be alert for at least 15 minutes	1 🗆	0 🗆
COUGHING and/or THROAT CLEARING	twice		0 🗆
SWALLOWING SALIVA • Swallowing successful	Conduct oral hygiene if the mouth is very dry If the patient coughs during or after swallowing saliva please tick "No"	1 🗆	0 🗆
 Drooling 	Permanent severe saliva drooling	0 🗆	1 🗆
 Voice change after swallowing 	Gurgling, wet hoarse voice since onset of stroke	0 🗆	1 🗆
	SUM:		(5)
		1 – 4 = Stop the test see GUSS-Evaluation 5 = Continue with part 2	

2. Direct Swallowing Test (Material: Water, food thickener, teaspoon, cup, syringe, bread, biscuit)

In the following order	SEMISOLID→	LIQUID→	SOLID	
	½ teaspoon of thickened water (IDDSI: Level 3) If there are no symptoms apply 3-5 more teaspoons Stop the investigation if one of the 4 aspiration criteria is observed	Offer 3, 5, 10, 20 ml of water in a cup followed by 50 ml of water. (sequential swallows) Stop the investigation if one of the 4 aspiration criteria is observed	Offer a piece of bread without crust and/or a piece of biscuit (max. 1.5 x 1.5cm) Stop the investigation if one of the 4 aspiration criteria is observed	
DEGLUTITION				
Swallowing not possible	0 🗆	0 🗆	0 🗆	
 Swallowing delayed (semisolids, fluids > 2 sec. solids > 10 sec.) 	1 🗆	1 🗆	1 🗆	
 Swallowing successful 	2 🗆	2 🗆	2 □	
COUGHING (involuntary) (before, during and after swallowing - until 3 minutes later)				
■ Yes	0 🗆	0 🗆	0 🗆	
■ No	1 🗆	1 🗆	1 🗆	
DROOLING				
■ Yes	0 🗆	0 🗆	0 🗆	
■ No	1 🗆	1 🗆	1 🗆	
VOICE CHANGE (Listen to the voice before and after swallowing - Patient should say "Ohhh")				
■ Yes	0 🗆	0 🗆	0 🗆	
■ No	1 🗆	1 🗆	1 🗆	
SUM:	(5)	(5)	(5	
	1 – 4 = Stop the test see GUSS-Evaluation 5 = Continue "Liquid"	1 – 4 = Stop the test see GUSS-Evaluation 5 = Continue "Solid"		
SUM: (Indirect Swallowing Test AND Direct Swallowi		(20)		

GUSS EVALUATION

(Gugging Swallowing Screen)

	RESULTS	SEVERITY CODE	RECOMMENDATIONS (related to IDDSI-Framework, www.iddsi.org)
20	Swallowing semisolids, liquids and solid textures successful	Slight / No dysphagia with no or minimal risk of aspiration	 Normal diet (Level: 7, 7minus) Regular liquids (Level: 0) First normal meal under supervision of a SLT/SLP or dysphagia-trained nurse to evaluate the swallowing ability of mixed consistencies
15-19	Swallowing semisolids successful, swallowing liquids can be deficient, solids can be deficient	Slight dysphagia with aspiration risk	 Dysphagia diet (minced & moist or soft & bite-sized) (Level: 5 or 6) Liquids thickened (Level: 1 or 2) Water (Level: 0) should only be drunk after following the "Frazier Free Water Protocol" (Gillmann et al 2016) Optional: Further functional swallowing assessments (FEES, VFES)¹ Optional: Refer to Speech&Language Pathologist(SLP) or Speech&Language Therapist (SLT)¹ Supplementation via PEG, nasogastric tube or parenteral + supplementary food
10-14	Swallowing semisolids successful, swallowing liquids deficient	Moderate dysphagia with aspiration risk	 Pureed textures (Level: 3-4) All liquids must be thickened (Level: 2-3) Pills should be crushed and mixed with puree (Level: 3-4) No liquid medication! Optional: Further functional swallowing assessments (FEES,VFES)¹ Optional: Refer to Speech&Language Pathologist (SLP) or Speech&Language Therapist (SLT)¹ Supplementation via PEG, nasogastric tube or parenteral + supplementary food
0-9	Preliminary investigation unsuccessful or swallowing semisolids unsuccessful	Severe dysphagia with high risk of aspiration	 NPO (non per os = nothing by mouth) Optional: Further functional swallowing assessments (FEES,VFES)¹ Optional: Refer to Speech&Language Pathologist(SLP) or Speech&Language Therapist (SLT)¹ Supplementation via PEG, nasogastric tube or parenteral

Use functional Investigations like: Fiberoptic Endoscopic Evaluation of Swallowing (FEES), Videofluoroscopic Evaluation of Swallowing (VFES) and Clinical Swallowing Examination (CSE) by Speech & Language Pathologists (SLP) or Speech & Language Therapists (SLT).