

Appendix D - Overview of allied health care in 14 Dutch HNC centers: Availability of AHPs, rehabilitation interventions and clinimetrics

Availability healthcare professional	Clinimetrics and interventions	Centers													
Allied health professional (% of centers)		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Speech language therapist (100)		X	X	X	X	X	X	X	X	X	X	X	X	X	X
Interventions	Swallowing rehabilitation	A	A	A	A	R	A	A	R	A	A	A	R	R	A
	Voice rehabilitation	A	R	R	A	R	A	A	R	A	A	R	R	R	R
	Speech and articulation rehabilitation	A	R	A	A	R	A	A	R	A	R	R	R	R	R
	Speech rehabilitation after TLE	A	A	A	A		A	A	R	A	A	A	A	A	R
	Trismus therapy		A	R	A	R	A	A					R	R	
	Olfactory rehabilitation after TLE	A	A	R	A		A	A		R	R	A	R	A	R
	Mime therapy	R		R	R	R		A		R	R		R	R	R
Clinimetrics	Swallowing video / FEES	I	I	I	I	I	I	A	I	I	I	A	I	I	I
	MMO			I	I	I		A		A		A	I	I	
	FOIS	A	I	A	A	A	A	A	I	A	I		I	A	A
	Swal-QoL		I	I	I		I	A			I			A	A
	MDADI		I		I		I	A							
	EAT-10		I			I	I		A						
	VHI	I	A	I	I	A		A	I	I	I		I	A	A
	SHI				I	I		A		I	I		I	I	
	SOAL							A							
Allied health professional (% of centers)		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Dietitian (93)		X	X		X	X	X	X	X	X	X	X	X	X	X
Interventions	Monitoring weight	A	A		A	A	A	A	A	A	A	A	A	R	A
	Monitoring intake	A	A		P	A	A	A	A	A	A	A	A	R	A
	Advice on nutritional supplements	A	R		A	A	A	A	A	A	A	A	A	R	A
	Nutritional advice in general	A	A		P	A	A	a	A	A	A	A	A	R	A
	Nutritional advice during a physical program						R	R							

Clinimetrics	Pinch strength test	I	A				I	I	A	A	I			A	
	SNAQ					A	A	A			I				A
	BMI	A	A			A	A	A	A	A	A	A	A	A	A
	BIS		I				I	I	A	I				A	
	PG-SGA							I							
Allied health professional (% of centers)		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Physiotherapist (86)		X	X		X	X	X	X		X	X	X	X	X	X
Interventions	Improving physical condition	A	R		A			A			A	R	R	R	R
	Muscle strength training	A	R		A			A			A	R	R	R	A
	Trismus therapy				R					A		R		R	A
	Shoulder and neck exercise training	A	R		A			A		A	A	A	A	A	A
	Lymphedema therapy	R			R			A		A		R	R		R
Clinimetrics	6MWT				I			I		A	I		I	I	
	Steep ram test				I			A			I		A	I	
	SPADI				I			I		A	A	I			I
	AROM	A	A		I			I		A	A	A	A	A	A
	MFI				I			A		I	I				
	PSC				I			A			I	I	A		I
	Borg RPE-scale	I			I			A			A		A		A
	Maximal exercise test with ECG and breath gas analysis				I			I							
Allied health professional (% of centers)		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Medical social worker (57)		X			X		X	X			X	X	X	X	
Interventions	PE coping with cancer disease	R			R		R	R			R	A	A	R	
	PE partner/loves ones	R			R		R	R			R	A	A	R	
	Resumption of work	R			R		R	R			R	R	A	R	
	Mindfulness							R					A	R	
	Cognitive behavioral therapy				R			R			R		A	R	
Clinimetrics	Distress thermometer						A	A			A			I	
	HADS						I	A						I	
	CED-D						I								

Allied health professional (% of centers)		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Psychologist (50)		X		X	X	X	X	X				X			
Interventions	PE coping with cancer disease	R		R	R	R	A	R				R			
	PE partner/loved ones			R	R	R	P	R				R			
	Psychological decompensation	R		R	R	R	R					R			
	Cognitive behavioral therapy	R		R	R	R	R	R				R			
	Psychological diagnostics	R		R	R	R	R	R				R			
	EMDR	R		R	R	R	R	R				R			
Clinimetrics	UCL	I		I		I		A				I			
	HADS	I		I			I	A				I			
	CES-D			I		I	I					I			
	SCL-90	I		I		I		A							
Allied health professional (% of centers)		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Psychiatrist or psychiatric nurse (specialist) (36)		X		X	X			X		X					
Interventions	PE coping with cancer disease	R		R				R							
	PE partner/loved ones	R		R	R			R		R					
	Psychological decompensation/medication	A		A	A			A		R					
	Cognitive behavioral therapy									R					
	Psychiatric diagnostics	R		A	A			R		R					
	Drug rehabilitation	R		A	A			R							
Clinimetrics	UCL														
	HADS														
	CED-D														
	SCL-90			I											
Allied health professional (% of centers)		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Occupational therapist (21)								X		X		X			
Interventions	PE on sleep							A		R					
	PE on fatigue/energy coaching							A		R					
	Ergonomics							A		R		R			

	Resumption of work							A		R					
	Arm-hand function training							A				R			
	Cognitive rehabilitation							A				R			
	Training of ADL							A		R		R			
Clinimetrics	COPM							A		I					
	USER-P									I					
	IPA														
	PSC							A							
	MFI							A							
Allied health professional (% of centers)		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Art therapist (14)		x						x							
Interventions	Art therapy	R						R							
	Reactivating daily activity	R													
	Inventory patient's medical queries	R						A							
	Other														
Clinimetrics	HADS							A							
	CES-D														

Legends:

x

means the healthcare professional is available in HNC rehabilitation; empty cells indicate unavailability.

A

means interventions and clinimetrics are applied either as standard care or according to protocol or guideline.

I

means interventions and clinimetrics are applied indicated by needs assessment.

R

means interventions and clinimetrics are applied by referral.

An empty or white cell reflects not known or not applicable.

Abbreviations: 6 MWT, 6 minutes walking test; ADL, activities of daily living; AROM, active range of motion; Borg RPE-scale, borg rating of perceived exertion; BMI, body mass index; BIS, bio-electric impedance spectroscopy; CES-D, center or epidemiological studies depression scale; COPM, Canadian Occupational Performance Measure; EAT-10, Eating Assessment Tool; ECG, electrocardiogram; FEES, flexible endoscopic evaluation of swallowing; FOIS, functional oral intake scale; HADS, hospital anxiety depression scale; IPA, impact of participation and autonomy; MDADI, MD Anderson dysphagia inventory; MMO, maximal mouth opening; MFI, multidimensional fatigue index; PE, psycho-education; PG-SGA, patient-generated subjective global assessment; PSC, patient specific complaints; SCL-90, symptom checklist-90; SHI, speech handicap index; SLP, speech-language pathologist; SNAQ, short nutritional assessment questionnaire; SOAL, swallowing outcomes after laryngectomy; Swal-Qol, swallowing quality of life; SPASI, shoulder pain and disability index; TLE, total laryngectomy; UCL, Utrecht coping list; USER-P, Utrecht scale for evaluation of rehabilitation-participation; VHI, voice handicap index.