



**2018**

**28-30 JUNE**  
**VIENNA, AUSTRIA**

**SUPPORTIVE CARE  
MAKES EXCELLENT  
CANCER CARE POSSIBLE**

# Development of Dysphagia Database and Proposed Items for Abstraction

*Derek K Smith, D.D.S., Ph.D.*  
*Vanderbilt University Medical Center*  
*Nashville, TN, USA*  
*June 28<sup>th</sup> 2018*



# Dysphagia Development

- Expert Panel including: Oncologist, Radiation Oncologist, Dentist, Nurse, Speech and Language Pathologist
- Reviewed 9 different instruments that measure some aspect of swallowing function

MDADI

PSS-HN

FACT-H&N

SSQ

UW-QOL

SWAL-QOL

EAT-10

HNQOL

VHNSS



2018

28-30 JUNE  
VIENNA, AUSTRIA

SUPPORTIVE CARE  
MAKES EXCELLENT  
CANCER CARE POSSIBLE



# Items to be reviewed (Development)

- Content Validity
  - Size and make-up of the development population
  - How were constructs generated
- Reliability
  - Internal reliability, test- retest
  - Sensitivity to change
- Construct Validity- quantitative justification
- Convergent Validity- agreement with other tools
- Divergent Validity- evidence tool can detect expected differences



**2018**

**28-30 JUNE**  
**VIENNA, AUSTRIA**

**SUPPORTIVE CARE**  
**MAKES EXCELLENT**  
**CANCER CARE POSSIBLE**



# Items to be reviewed (Application)

- Scoring
- Number of subscales and items
- Who completes the survey
- What is the format of the responses
- Average time to complete
- Languages available



**2018**

**28-30 JUNE**  
**VIENNA, AUSTRIA**

**SUPPORTIVE CARE  
MAKES EXCELLENT  
CANCER CARE POSSIBLE**



# Physical Symptom Constructs

- Pain
- Trismus
- Symptoms of Aspiration (coughing/choking)
- Xerostomia/Hyposalivation
- Weight Loss
- Change in Dietary Content
- Globus Sensation
- Dental Problems



**2018**

**28-30 JUNE**  
**VIENNA, AUSTRIA**

**SUPPORTIVE CARE**  
**MAKES EXCELLENT**  
**CANCER CARE POSSIBLE**



# Constructs Related to Symptoms' Impact

- Financial (e.g. lower income, work or insurance changes)
- Social Eating (e.g. difficulty finding food, eating in a public setting)
- Emotional (e.g. upset, embarrassed, frustrated)
- Overall/ Quality of life



**2018**

**28-30 JUNE**  
**VIENNA, AUSTRIA**

**SUPPORTIVE CARE**  
**MAKES EXCELLENT**  
**CANCER CARE POSSIBLE**

