

# 1<sup>er</sup> CONGRÈS INTER-UNIVERSITAIRE CCFUO

Collège des Centres de Formation Universitaire en Orthophonie

## 5-6 AVRIL 2019 | FACULTÉ DE MÉDECINE NICE

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### *Symposium 11 – ORL*

*Le Carcinologic Handicap Index (CHI) : questionnaire  
d'autoévaluation du handicap à destination  
des patients traités pour cancer des VADS*

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# Plan

Contexte

Matériel et méthode

Résultats et discussion

## Étude prospective de validation de questionnaire

### Objectifs cliniques :

Élaboration et validation d'un questionnaire  
d'autoévaluation du handicap

Recueil de données après cancer des VADS

# Matériel et méthode (1/3)

## Dimensions :

4

• Fonctions sensorielles

4

• Fonctions spécifiques aux VADS

1

• Impact psychosocial

### DISABILITY SELF-ASSESSMENT

Surname:

First name

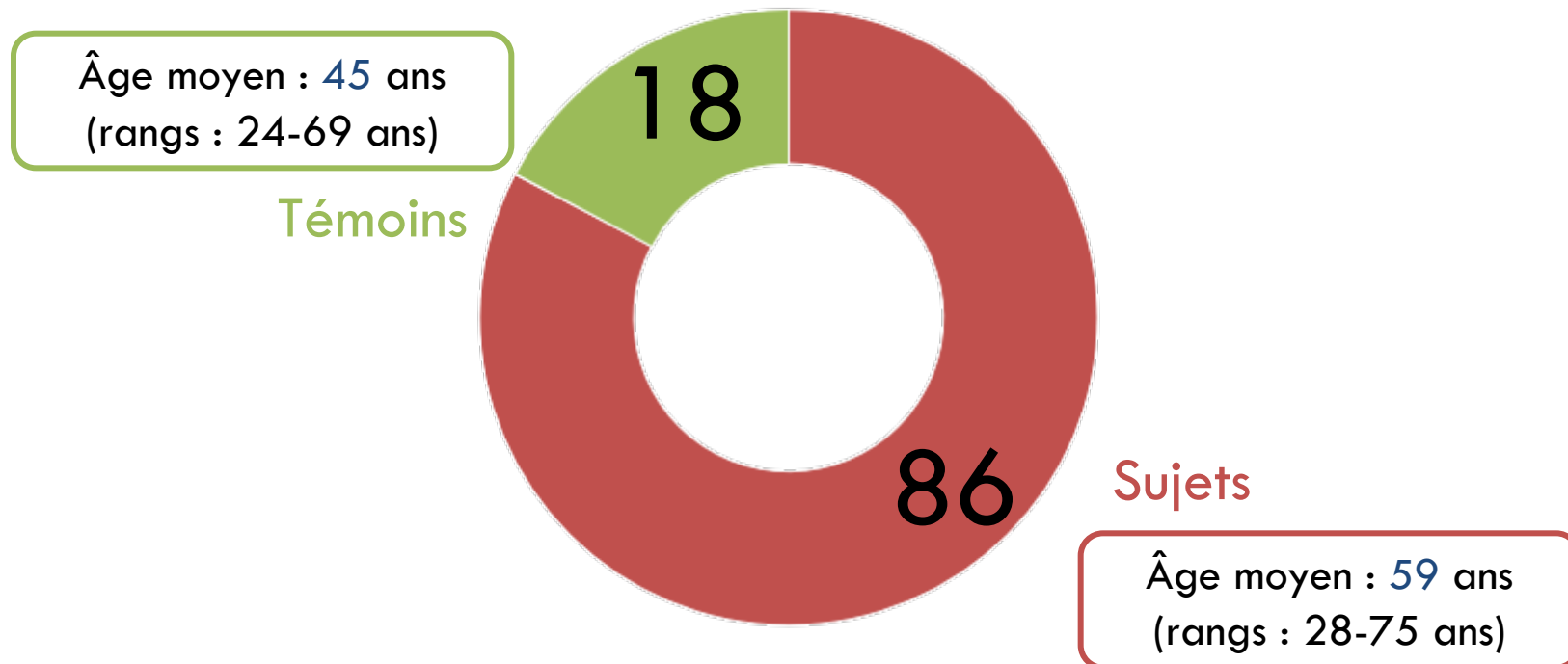
Date:

N = never  
AN = almost never  
S = sometimes  
AA = almost always  
A = always

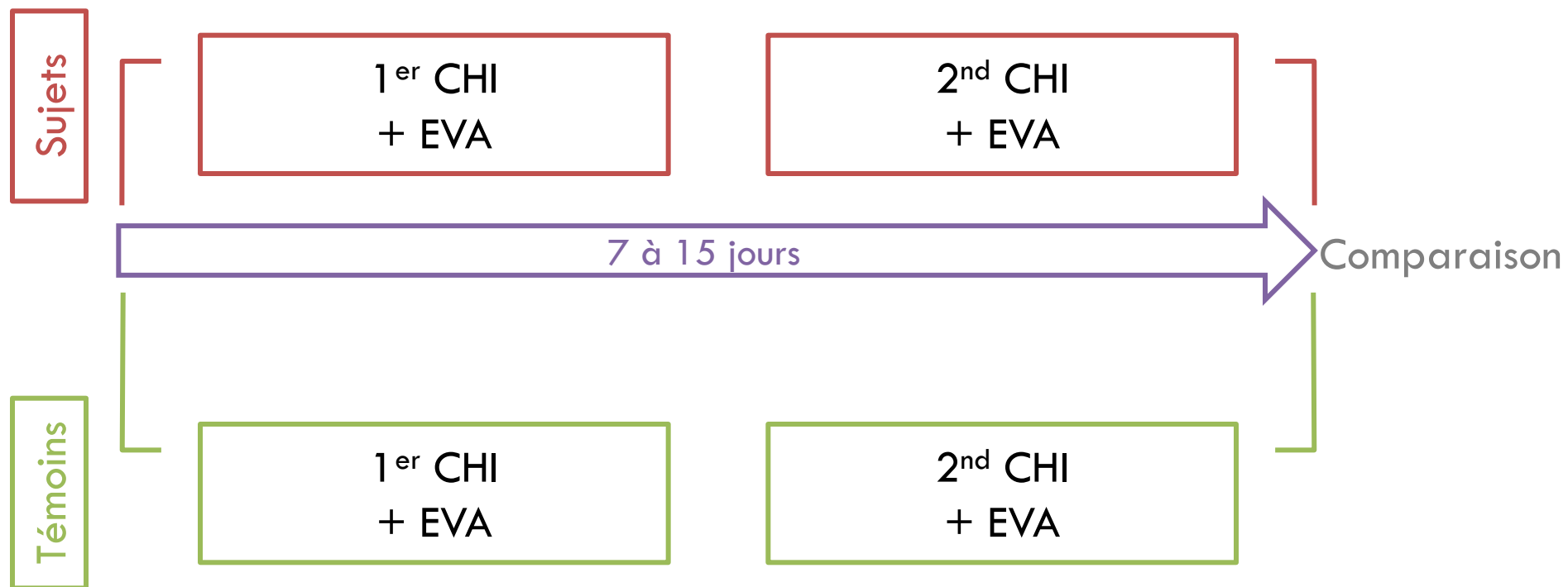
		N	AN	S	AA	A
P1	Do you take medication for pain?					
P2	Do you wake up at night because of pain?					
P3	Are you hindered in your activities by pain?					
P4	Do you have pain attacks?					
<b>P (pain)</b>						
S1	Do you have discomfort swallowing?					
S2	Do you ever choke eating or drinking?					
S3	Do you have liquid or solid reflux after meals?					
S4	Do you have problems chewing?					
<b>S (swallowing)</b>						
F1	Do you need to change the texture of food to swallow it?					
F2	Do you take longer eating due to difficulty in swallowing?					
F3	Do you need to enrich your food?					
F4	Have you lost weight?					
<b>F (feeding)</b>						
R1	Do you have difficulty breathing at rest?					
R2	Do your breathing problems restrict your physical activity?					
R3	Do you feel congested?					
R4	Do you need to be semi-seated to sleep?					
<b>R (respiration)</b>						
PH1	Do you have difficulty speaking?					
PH2	Do people have difficulty understanding you?					
PH3	Do you speak less with your family, friends, neighbors?					
PH4	Do you have difficulty articulating?					
<b>PH (phonation)</b>						
H1	Do you ask people to repeat?					
H2	Do you have problems following a conversation in noise?					
H3	Do you have problems understanding over the phone?					
H4	Do you have sounds in your ears?					
<b>H (hearing)</b>						
V1	Do you have difficulty seeing in the shade?					
V2	Do you see less well at a distance or close up?					
V3	Are you bothered by dazzle or floaters in your eyes?					
V4	Has your visual field shrunk?					
<b>V (vision)</b>						
OG1	Do you have difficulty smelling?					
OG2	Are you afraid of having an accident because of your difficulty smelling?					
OG3	Do you have difficulty tasting food?					
OG4	Do you feel frustrated by your difficulty smelling and tasting?					
<b>OG (olfaction-gustation)</b>						
PS1	Is your personal and social life limited by problems related to your illness?					
PS2	Has your illness affected your relationship with other people?					
PS3	Are you bothered by problems related to your illness?					
PS4	Do you feel handicapped by your illness?					
<b>PS (psychosocial)</b>						
<b>TOTAL</b>						

# Matériel et méthode (2/3)

## Sujets et témoins : description



# Matériel et méthode (3/3)



# Résultats (1/3)

Vision ( $r=0.55$ ),  
score global ( $r=0.47$ )



Validité de critère



correct ( $r > 0.6$ )

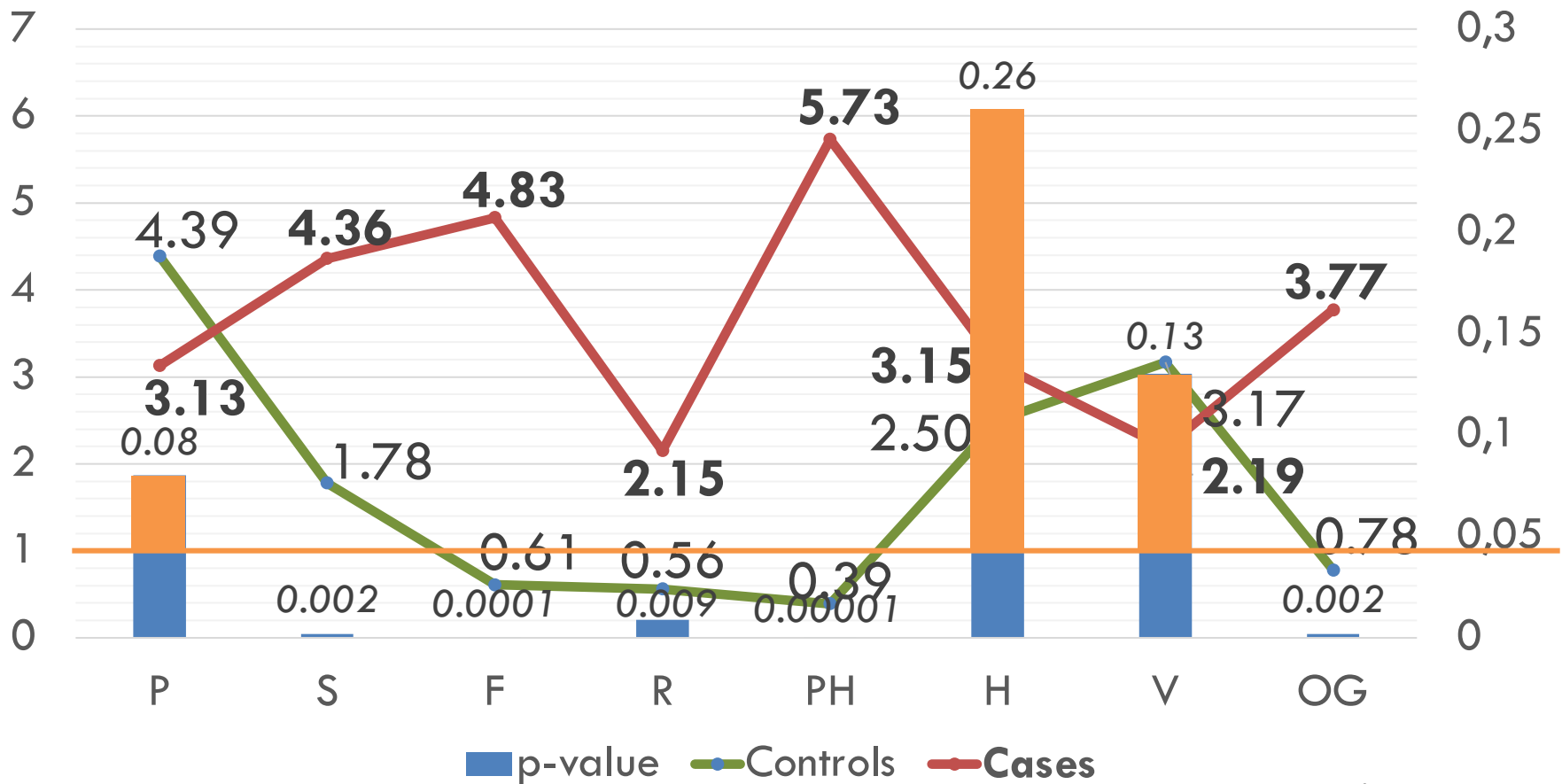
Validité clinique :  
localisation tumorale



déglutition,  
nutrition, respiration

# Résultats (2/3)

## Groupes extrêmes





# Résultats (3/3)

Vision ( $r=0.55$ ),  
score global ( $r=0.47$ )



Validité de critère



correct ( $r>0.6$ )

Validité clinique :  
localisation tumorale



déglutition,  
nutrition, respiration

$p<0.05$  : douleur,  
audition, vision



Validité clinique :  
Groupes extrêmes



déglutition, nutrition,  
respiration, phonation,  
olfaction-gustation

Consistance interne



alpha de Cronbach  $> 0.6$

respiration






Fiabilité temporelle



$r > 0.7$  (respiration  $r > 0.6$ )

# Discussion (1/2)

## Objectifs cliniques :

-  Élaboration et validation d'un questionnaire d'autoévaluation du handicap
-  Recueil de données après cancer des VADS
-  Faible nombre de témoins

# Discussion (2/2)

## Poursuite :

- Dimensions manquantes :
  - limitations des mouvements tête et cou, impact psychosocial lié aux modifications physiques
  - validation des nouvelles dimensions et de la structure complète (Champenois, 2018)
- Hiérarchie des besoins selon les patients :
  - En fonction des scores et détermination de scores seuils (Champenois et al., 2019 - soumis)
- Modulation des scores par la dimension « Psychosociale »

# Bibliographie sélective

## Articles :

- Balaguer M, et al. The Carcinologic Handicap Index (CHI): A disability self-assessment questionnaire for head and neck cancer patients. *European Annals of Otorhinolaryngology, Head and Neck diseases* (2017), <http://dx.doi.org/10.1016/j.anorl.2017.06.010>
- Champenois, M. Le Carcinologic Handicap Index, un auto-questionnaire permettant de faire émerger une hiérarchie des besoins du patient traité pour un cancer des voies aérodigestives supérieures ? Validation de la version complétée du questionnaire. *Mémoire d'orthophonie, Toulouse III* (2018). 79 p.
- Jacobson B, & al. The Voice Handicap Index (VHI). Development and validation. *Am J Speech Lang Pathol* 1997;6:66–70, <http://dx.doi.org/10.1044/1058-0360.0603.66>
- Rogers SN, El-Sheikha J, Lowe D. The development of a patients concerns inventory (PCI) to help reveal patients concerns in the head and neck clinic. *Oral Oncol*2009;45(7):555–61.

## Images :

- Slide 1: <https://www.indexsante.ca/chroniques/458/orl-oto-rhino-laryngologiste.php>
- Slide 7: [https://upload.wikimedia.org/wikipedia/commons/thumb/1/13/Facebook\\_like\\_thumb.png/220px-Facebook\\_like\\_thumb.png](https://upload.wikimedia.org/wikipedia/commons/thumb/1/13/Facebook_like_thumb.png/220px-Facebook_like_thumb.png)
- Slide 9: [http://st.depositphotos.com/3528133/5117/v/170/depositphotos\\_51179241-Single-flat-check-mark-icon.jpg](http://st.depositphotos.com/3528133/5117/v/170/depositphotos_51179241-Single-flat-check-mark-icon.jpg)