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Yes, I have nonfinancial relationships relevant to the content of the presentation.

2) If you have financial or nonfinancial relationships relevant to the content of the presentation,

Nonfinancial relationship: Chair of International Cluttering Association

3) For each item you checked above, please list the name of the relevant organization, company, product

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International Cluttering Association Forum: Outcomes of 5 Years of Successful Collaboration

Isabella K. Reichel, Kathleen Scaler-Scott, Yvonne van Zaalen,

American Speech-Language-Hearing Association
November, 2012
What is cluttering (van Zaalen)

International Cluttering Association (Scaler Scott)

International Collaboration (Reichel)

Meeting ICA at ASHA 1630
Cluttering a language based fluency disorder

Yvonne van Zaalen, PhD
Associate Professor
Fontys University of Applied Sciences,
Institute of Allied Health Professions
“Cluttering is a language based fluency disorder in which a person is not able to adjust his/her speech rate to the linguistic or motor demands of the moment”

(Van Zaalen, 2009)
Key CHARACTERISTICS

Fast or irregular articulatory rate

Combined with one of these:

a) High frequency of normal disfluencies
b) Errors in pausing
c) Overcoarticulation (telescoping)

(St. Louis, Myers, Bakker & Raphael)
reading
retelling
peter
Levelt, 1989 language production

Articulatory rate

CONCEPTUALIZER
- message generation
- monitoring

FORMULATOR
- grammatical encoding
- surface structure
  - phonological encoding
  - phonetic plan (internal speech)

ARTICULATOR

parsed speech

LEXICON
- lemmas
- forms

SPEECH-COMPREHENSION SYSTEM

AUDITION

overt speech

discourse model, situation knowledge, encyclopedia, etc.
Levelt, 1989 language production

- Conceptualizer
  - Message generation
  - Monitoring
  - Preverbal message

- Formulator
  - Grammatical encoding
  - Surface structure
  - Phonological encoding
  - Phonetic plan (internal speech)

- Lexicon
  - Lemmas
  - Forms

- Speech-Comprehension System
  - Discourse model, situation knowledge, encyclopedia, etc.
  - Parsed speech
  - Phonetic string

- Articulator
  - Overt speech

- Audition

- Cluttering
- Stuttering
Sub types

1. syntactical cluttering

2. phonological cluttering
Syntactical cluttering

In syntactical cluttering, ‘word finding problems’ (lemma & lexeme) and syntacticale encoding problems in word and sentence part repetitions, interjections, hesitations and revisions

Example:

“Mama, I went to the, I walked to the library to buy, … borrow a book on… what is it called… dinosaurs.

Ward, 2006; van Zaalen et al., 2010
Phonological cluttering

In phonological cluttering, errors in phonological encoding are not detected by the monitor, and result in word structure errors (‘motoric effects’: coarticulation, telescoping or syllable sequencing errors) in multi-syllabic words.

Example:

“Mama, wentary to borrow a binosaus”
(coarticulation/telescoping)
(Mama I went to the library to borrow a book on dinosaurus)
Attention capacity

In slow speech and writing reduction of formulation problems

Test situation: within limits
Molt,

No auditory processing disorders in cluttering can be determined.

PWC respond (temporarily) to DAF and HAF.
ICA the first 5 years

So many accomplishments due to so many involved
ICA Missions and Accomplishments

Key Objective #1: To increase awareness of the communication disorder of cluttering worldwide among speech-language therapists/logopedists, healthcare professionals, people with cluttering, and the public.

- A few outcomes
  - Creation of website to disseminate information and resources
  - Grown membership from less than 100 to over 200 currently
  - Creation of ICA and cluttering information brochure to disseminate information on cluttering (translated into 4 languages)
  - Connections with consumers through listserv and consumer representatives
  - Creation of Academic & Research Committees to inform those who educate therapists
  - Creation of Clinical Committee to develop guidelines for cluttering assessment
  - Creation of brochure by child who clutters for use with children with cluttering and others who interact and care for them
  - Creation of an interdisciplinary committee to educate other professions about cluttering
  - Establishment of International Representatives (currently representing 48 countries) to disseminate information about cluttering throughout the world
  - Establishment of the ICA Newsletter, T.R.A.D.E. (Treatment, Research, Awareness, Diagnosis, Education)
  - Posting of numerous free resources on website:
    http://associations.missouristate.edu/ICA/
ICA Missions and Accomplishments

- **Key Objective #2**: To foster research partnerships between investigators, clinicians and consumers in the area of cluttering. This can include international collaborations on research projects between investigators. Researchers throughout the world can organize committees working on the same research project and combine data for more powerful outcomes. In addition, this can also include relationships of mutual benefit between investigators, clinicians and consumers, such as investigators gaining data and consumers gaining clinical advice and information (as individuals within each role are comfortable).
  - A few outcomes
    - Cluttering: A Handbook of Research, Education, Intervention
    - Cluttering Severity Instrument (Bakker & Myers)
    - Consumer and researcher /therapist partnerships for writing projects and presentations worldwide
    - Multiple presentations and papers worldwide including partnerships among clinicians, consumers, and/or researchers
ICA Missions and Accomplishments

• **Key Objective #3**: To facilitate exchange of information between investigators, clinicians and consumers in the area of cluttering. This exchange would be facilitated through:
  – An effective, non-profit, website with international visibility. Among other things, on this website we would post existing resources (with translations into various languages available) for speech-language therapists/logopedists, those with the speech disorder of cluttering and families
  – A World Congress every 4 years presenting clinical and research findings, as well as consumer perspective workshops
  – Cluttering listservs (the currently developed yahoo group for consumers, and a future listserv for research and/or clinical collaboration)
  – Translation of cluttering information into languages other than English
    • currently translated into 8 languages
  – Organization of mini-seminars for students at the university level and continuing education coursework for speech-language therapists/logopedists
    • First online Conference on Cluttering in Spring 2010 (Judy Kuster)
ICA Missions and Accomplishments

• **Key Objective #4**: To begin to contract moneys, sponsors, to serve purposes of the organization, including:
  – Research funding
  – Advocacy/representation of the interests of people with the communication disorder of cluttering (such as providing funding for people with the communication disorder of cluttering to attend and present at conferences, etc.).
  – Continued development of the organization, such as website development, development of materials for increasing awareness of the communication disorder of cluttering, etc.

• In June 2012, ICA has became a Limited Liability Company the first step to legitimizing the group to apply for nonprofit status. It is working on being able to receive donations, as requests to donate are often received.
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The International Cluttering Association (ICA)

Publications, conferences, research
On-line newsletter

Website – partially translated into:
Arabic, Bulgarian, Chinese, German,
Dutch, Indonesian, Russian, Spanish

“A Handbook of Research, Intervention,
and Education” (Ward & Scaler-Scott, 2011)
THE FIRST WORLD CONFERENCE ON CLUSTERING

May 12-14, 2007

Katarino, Bulgaria
2008

Data collection for International Cluttering Survey (ICS)

- 25 members of the ICA Committee of International Representatives responded to a survey consisting of 9 open-ended questions.

- Global Landscape of Cluttering (Reichel & Bakker, 2009).

- Argentina, Australia, Belgium, Bulgaria, Canada, China, Denmark, England, Faroe Islands, Germany, Iceland, India, Indonesia, Ireland, Israel, Japan, Lithuania, Netherlands, Nigeria, Norway, Russia, Sudan, Sweden, Thailand, and the United States.
2009 An ICA seminar at the 6th World Congress on Fluency Disorders in Rio de Janeiro, Brazil

“Global Perspectives on Cluttering: Research, Assessment, and Treatment”

- Presentations by ten experts in fluency disorders from 6 countries,
  - Belgium, Ireland, Norway, Nigeria, United Kingdom, USA

The key elements:

- The influence of the early Western European literature on the understanding of cluttering,
- Eastern European contributions on identifying and managing cluttering,
- Awareness, research, assessment and treatment of cluttering across countries and continents.
2010 International Cluttering Online Conference

- Stutteringhomepage
  “The Worldwide Panorama of Cluttering: Non-Western Countries” (Reichel, Myers & Bakker, 2010)

Indonesia Japan Jordan, Lithuania Nigeria, Poland, Sudan.

- Responses to 10 questions served as:
  - A foundation to promote theoretical paradigms
  - International research
  - Exchange of resources and methodologies for managing cluttering
Challenges in Developing Countries

- Shortage of health care professionals
- Lack of health care policies that ensure diagnosis and treatment of cluttering
- Inadequate access to health care facilities
- Lack of resources for education
- Poorly developed health care infrastructure to support services for people with communication disorders
2011
The 9th World Congress for People Who Stutter, Buenos Aires, Argentina


21 presenters from 16 countries

Argentina, Hungary, Jordan, Iran, Japan, Jordan, Kenya, Lithuania, Netherlands, Nigeria, South Africa, Sudan, Tanzania, Uganda, USA
Nairobi Stammering/ Cluttering Support Group 2010