7th ESSD Congress, Barcelona 21-22 Sept. 2017

FEES Accreditation Course 18-19 Sept
Workshop 18-19 Sept
Precongress 20 Sept

ESSD Dysphagia Week 18-23 Sept
Do you screen for dysphagia?
Please join us in collecting and sharing data from around the world on screening procedures and practices.
Results will be sent to participants and posted on the ESSD website.

Surveys available in English, Farsi, French, Greek, Italian, Japanese, Polish, Portuguese, Spanish, and maybe more…

www.worldswallowingday.org
Dear colleagues and friends,

On behalf of the Local Organizing Committee and the ESSD Board it gives me great pleasure to welcome you to the 7th ESSD Congress Swallowing and Ageing. This year we have again expanded the congress into a Dysphagia Week, with a two-day Workshop: Management of Oropharyngeal Dysphagia in a General Hospital, together with the first ESSD FEES Accreditation Course at Mataró Hospital both on 18-19 September, and the Precongress Course on Dysphagia in Neurodegenerative Diseases on 20 September, and finishing with the World Dysphagia Summit 22-23 September so we have a full week dedicated to dysphagia in a truly international forum. Thank you for supporting the congress and for sending your best studies to be presented and debated here. This year 281 abstracts will be presented, quite an increase on previous years.

ESSD is also growing and increasing the activities it offers its members and the field: postgraduate diploma in swallowing disorders, offered again in English and in Spanish, 2017-2018; ESSD FEES Accreditation Programme, to provide training in FEES for health professionals working with geriatric and neurologic patients; bi monthly webinars open to all who register; cooperation with other European societies such as CEORL-HNS, ERS, ESO, EUGMS, UEP. We thank the members of the ESSD board for their dedication in developing all these activities which has involved a lot of meetings and a lot of their time. At the same time, we would like to pay homage to Guntram Ickenstein, an active board member of our society who sadly left us earlier this year.

Finally, let us welcome you to Barcelona, a city long accustomed to welcoming people from all quarters, a port through which people have come and gone and shared knowledge and customs for hundreds of years. It is also exciting you are visiting Catalonia a nation that will have decided next month if they want a state, a country to face its future. I want to especially thank you for coming as our country suffered an attack last month, but I can tell you we are very sad but not afraid and these events will not change our way of life #iamnotafraid

I sincerely hope that you enjoy your stay and find the congress a fruitful and interesting experience.

Pere Clavé, MD, PhD,
ESSD president
Congress Chairman
Dear colleagues from dysphagia societies around the world,

We are proud to be hosting the very first World Dysphagia Summit in Barcelona, 22-23 September. This event is the result of collaboration between the ESSD, the JSDR and the DRS, as well as other national dysphagia societies from all corners of the globe. Our societies have similar missions: to stimulate and divulge research, education and awareness of dysphagia. The main objectives of the Summit are as follows:

• To provide an international, multidisciplinary forum of discussion and debate with the aim of building consensus on protocols and practice based on evidence;
• To identify gaps in research, education and care that can be collaboratively addressed;
• To promote accredited education on swallowing disorders;
• And, to find ways to cooperate between the societies-sharing resources and promoting educational and research activities.

Thirteen committees with representation from all continents have been working together to address 13 topics at the Summit. In this way, we will begin international collaborative discussion of the most pressing concerns regarding dysphagia. Seven of these committees have sent out surveys for which you can still participate on the app and the congress website. Your responses will be analyzed with the others and presented at the Summit. Initial discussions from this Summit will guide our future collaborations and endeavors, and it is our hope that these committees in some shape or form will continue to work together and grow. This is a starting point, not a conclusion; and we are excited to be embarking on this journey together for the first time. We intend to publish the proceedings of these committees in the Dysphagia Journal in the near future and look forward to many more world-wide initiatives in the field of swallowing and swallowing disorders.

Thank you for attending this first World Dysphagia Summit in Barcelona.
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LOCAL ORGANIZING COMMITTEE

Pere CLAVÉ, Chairman, Surgeon
Viridiana ARREOLA, SLP
Silvia CARRIÓN, Gastroenterologist
Alicia COSTA, Dietitian
Omar ORTEGA, Post-doctorate researcher
Mireia SALA, SLP
Pilar SANZ, Neurologist
Rosa TERRÉ, Rehabilitation Medicine
Mercedes VELASCO, Phoniatrician

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Renée SPEYER, Secretary, Norway
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Emilia MICHOU, Vice President, UK
Antonio SCHINDLER, Vice President, Italy
Margaret WALSHE, Vice President, Ireland
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Shaheen HAMDY, UK
Nathalie ROMMEL, Belgium
Eric VERIN, France
Anita Wuttge HANNIG, honorary

ESSD OFFICE

Jane LEWIS, Executive Officer
Laura CHÉRCOLES
Carolina GONZALEZ

SCIENTIFIC REVIEW COMMITTEE

CHAIRMAN:
Pere CLAVÉ, Spain

MEMBERS:
Pedro ABIZANDA, Spain
Jacqui ALLEN, New Zealand
Jordi ALMIRALL, Spain
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Hans BOGAARDT, Australia
Giselle CARNABY, USA
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Mª Asunção COELHO DE MATOS, Portugal
Astero CONSTANTINO, Greece
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Rainer DZIEWAS, Germany
Olle EKBERG, Sweden
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Daniele FARNEITI, Italy
Pascale FICHAUX-BOURIN, France
Roberta GONÇALVES DA SILVA, Brazil
Renata GUEDES, Brazil
Shaheen HAMDY, UK
Célia HARDING, UK
Maggie-Lee HUCKABEE, New Zealand
Yoko INAMOTO, Japan
Hanneke KALF, The Netherlands
Izumi KONDO, Japan
Susan LANGMORE, USA
Cathy LAZARUS, USA
Tim McCULLOCH, USA
Emilia MICHOU, UK
John MORLEY, USA
Tahe OMARI, Australia
Omar ORTEGA, Spain
Peter POKIESER, Austria
Nathalie ROMMEL, Belgium
Olle EKBERG, Sweden
Shaheen HAMDY, UK
Antonio SCHINDLER, Italy
David SMITHARD, UK
Renée SPEYER, Norway
Eric VERIN, France
Hidetaka WAKABAYASHI, Japan
Margaret WALSHE, Ireland
Tobias WARNECKE, Ireland
Mónica ZAVALA, Mexico
WORLD DYSPHAGIA SUMMIT COMMITTEES

TOPIC 1, EPIDEMIOLOGY OF DYSPHAGIA
Facing the epidemic
Reinie CORDIER, Australia
Zulin DOU, China
Satoru EBIHARA, Japan
Makoto INOUE, Japan
Susan LANGMORE, USA
Dorte MELGAARD, Denmark
Rodrigo MORALES, Chile
Oshrat SELLA, Israel
David SMITHARD, UK

TOPIC 2, COMMON DIAGNOSTIC TOOLS AND PROCEDURES FOR OROPHARYNGEAL DYSPHAGIA:
Standardization of screening and clinical assessment; Standardization of instrumental assessment
Giselle CARNABY, USA
Lukas DAGDILELIS, Greece
Ichiro FUJISHIMA, Japan
Roberta GONÇALVES DA SILVA, Brazil
Mansi JAGTAP, India
Bonnie MARTIN-HARRIS, USA
Koichiro MATSUO, Japan
Antonio SCHINDLER, Italy
Renée SPEYER, Norway
Hongmei WEN, China

TOPIC 3, MINIMUM STANDARDS OF CARE: Value-based care of the dysphagic patient; Evidence-based clinical practice; Management of complications of OD; Specific outcome measures (diagnostic and health related, AP, QoL)
Julie BACKMEIER-KRAEMER, USA
Martin BRODSKY, USA
Elisabete CARRARA DE ANGELIS, Brazil
Moataz ELZAYAT, UAE
Masako FUJIU-KURACHI, Japan
Hitoshi KAGAYA, Japan
Huijuan LI, China
Douglas VAN DAELE, USA
Eric VERIN, France.

TOPIC 4, EVIDENCE BASED CLASSIFICATION FOR FOOD AND LIQUID TEXTURE MODIFICATION
Silvia CARRIÓN, Spain
Julie CICHERO, Australia
Pere CLAVE, Spain
Alicia COSTA, Spain
Jyunke FUJITANI, Japan
Ana FURKIM, Brazil
Jyun KAYASHITA, Japan
Don-Kyu KIM, South Korea
Catriona STEELE, Canada
Dorothee VOLKERT, Germany

TOPIC 5, NEW REHABILITATION TOOLS, WHO? WHEN? HOW?
Yoichiro AYOYAGI, Japan
Irina AVDYUNINA, Russia
Paula COLA, Brazil
Numan DEMIR, Turkey
Shaheen HAMDY, UK
Maggie-Lee HUCKABEE, New Zealand
Yoko INAMOTO, Japan
Jin Woo PARK, South Korea
Emily PLOWMAN, USA

TOPIC 6, PAEDIATRIC DYSPHAGIA: MECHANISMS AND SOLUTIONS
Joan ARVEDSON, USA
Pascale FICHAUX-BOURIN, France
Celia HARDING, UK
Shouji HIRONAKA, Japan
Kyoung HYO CHOI, South Korea
Sudarshan JADCHERLA, USA
Silvia JURY, Argentina
Izumi KONDO, Japan
Maureen LEFTON-GREIF, USA
Deborah LEVY, Brazil
Lenie VAN DEN ENGEL HOEK, The Netherlands
TOPIC 7, THE MULTIDISCIPLINARY TEAM & THE DEGLUTOSTELOGIST

Laura BAIJENS, The Netherlands
James COYLE, USA
Daniele FARNETI, Italy
Rebecca GERMAN, USA
Hitoshi KAGAYA, Japan
Tim McCULLOCH, USA
Walmari PILZ, The Netherlands
José VARTANIAN, Brazil
Virginie WOISARD, France

TOPIC 8, EDUCATION AND ACCREDITATION OF HCP IN DYSPHAGIA

Rainer DZIEWAS, Germany
Renata GUEDES, Brazil
Ayse KARADUMAN, Turkey
Paula LESLIE, USA
Ashli O’ROURKE, USA
Itaru TAKEHARA, Japan
Michaela TRAPL, Austria
Akio TSUBAHARA, Japan
Margaret WALSHE, Ireland
Pattra WATTANAPAN, Thailand

TOPIC 9, HEALTH ECONOMICS OF DYSPHAGIA

Jacqui ALLEN, New Zealand
Julia ÁLVAREZ, Spain
Lucia Figueiredo MOURAO, Brazil
Ming-Lun HSU, Taiwan
Shinichi IZUMI, Japan
Cathy LAZARUS, USA
Guillem LÓPEZ-CASASNOVAS, Spain
Sergio MARIN, Spain
Keiko ONOGI, Japan
Julie-Ann REGAN, Ireland

TOPIC 10, POLITICS, THE ROLE OF SCIENTIFIC SOCIETIES AND REGULATORY BODIES

Pere CLAVÉ, Spain
Roberto DANTAS, Brazil
Olle EKBERG, Sweden
Mohamed FARAHAT, Saudi Arabia
Hanneke KALF, The Netherlands
Yayoi KAMAKURA, Japan
Rosemary MARTINO, Canada
Jaume PADRÓS, Spain
Eiichi SAITO, Japan
Reza SHAKER, USA

TOPIC 11, THE ROLE OF THE INDUSTRY

Arash BABAEE, USA
Philip BATH, UK
Pere CLAVÉ, Spain
Mª Asunción COELHO DE MATOS, Portugal
Eddy DEAIGEER, Belgium
Georges LAWSON, Belgium
Takahiro ONO, Japan
JoAnn ROBBINS, USA
Eiichi SAITO, Japan

TOPIC 12, THE PATIENTS AND THEIR ORGANIZATIONS

Yumi CHIBA, Japan
Michelle CIUCCI, USA
Maggie-Lee HUCKABEE, New Zealand
Kate HUTCHESON, USA
Foundation LUZÓN, Spain
Nayla MATAR, Lebanon
Emilia MICHO, UK
Peter POKIESER, Austria
Liliana SANTAMARINA, Argentina
Ed STEGER, USA
Valeria TON, Argentina

TOPIC 13, OESOPHAGEAL DYSPHAGIA

Kulwinder DUA, USA
Yukio KATORI, Japan
Dong Ho LEE, South Korea
Noriaki MANABE, Japan
Benson MASSEY, USA
Taher OMARI, Australia
Peter POKIESER, Austria
Nathalie ROMMEL, Belgium
Cecilio SANTANDER, Spain
Martina SCHARITZER, Austria
Daniel SIFRIM, UK
Mónica ZAVALA, Mexico
### Programme Overview

**Programme Overview**

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<tr>
<td><strong>Workshop</strong></td>
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<td>Fluid adapt, solid and nutr. adapt, Feeding tools, postures</td>
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**Coffee break**

**LUNCH**

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**Coffee break**

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### Programme Overview

#### PRECONGRESS COURSE

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<tr>
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<td>Parkinson's Disease and Dysphagia</td>
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<td>Management of dysphagia in ALS, MG, MS and progressive muscle diseases</td>
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<tr>
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#### 7th ESSD CONGRESS

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<td>Swallowing and Ageing</td>
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<td>09:30-10:00</td>
<td>OD and frailty, sarcopenia, AP</td>
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**Precongress Course:**
- Dysphagia in Progressive Neurological Diseases
  - WEDNESDAY 20 September, Palau de Congressos de Catalunya

**7th ESSD Congress:**
- Swallowing and Ageing
  - THURSDAY 21 September, Palau de Congressos de Catalunya
# Programme Overview

## 7th ESSD CONGRESS

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<tr>
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<td>WDS Topic 1 Facing the epidemic</td>
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<tr>
<td>09:30-10:00</td>
<td>WDS Topic 2 Common diagnostic tools and procedures</td>
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<tr>
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<td>11:30-12:00</td>
<td>WDS Topic 3 Minimum standards of care</td>
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<td>13:00-13:30</td>
<td>Workshop on texture modified food</td>
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<tr>
<td>14:00-14:30</td>
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<td>WDS Topic 7 Paediatric Dysphagia</td>
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<td>WDS Topic 8 Education and accreditation of HCP in dysphagia</td>
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<td>20:00-24:00</td>
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## WORLD DYSPHAGIA SUMMIT

### FRIDAY 22 September, Palau de Congressos de Catalunya

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<td>14:30-15:00</td>
<td>Posters 7th Congress</td>
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<tr>
<td>15:00-15:30</td>
<td>WDS Topic 3 Minimum standards of care</td>
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<tr>
<td>15:30-16:00</td>
<td>Coffee break</td>
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<tr>
<td>16:00-16:30</td>
<td>7th Congress Free papers</td>
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<tr>
<td>16:30-17:00</td>
<td>WDS Topic 4 Food and liquid texture modification</td>
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<td>17:00-17:30</td>
<td>WDS Topic 5 Rehabilitation tools</td>
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<tr>
<td>17:30-18:00</td>
<td>WDS Topic 6 Oesophageal Dysphagia</td>
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<tr>
<td>20:00-24:00</td>
<td>7th Congress Closing and Awards</td>
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### SATURDAY 23 September, Palau de Congressos de Catalunya

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:00-08:30</td>
<td>7th Congress Free papers</td>
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<tr>
<td>08:30-09:00</td>
<td>WDS Topic 1 Facing the epidemic</td>
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<tr>
<td>09:00-09:30</td>
<td>7th Congress Free papers</td>
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<tr>
<td>09:30-10:00</td>
<td>5 papers 8 minutes + 2 discussion</td>
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<tr>
<td>10:00-10:30</td>
<td>Coffee break</td>
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<tr>
<td>11:00-11:30</td>
<td>WDS Topic 2 Common diagnostic tools and procedures</td>
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<tr>
<td>11:30-12:00</td>
<td>7th Congress Free papers</td>
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<tr>
<td>12:00-12:30</td>
<td>5 papers 8 minutes + 2 discussion</td>
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<tr>
<td>13:00-13:30</td>
<td>Workshop on texture modified food</td>
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<tr>
<td>13:30-14:00</td>
<td>LUNCH</td>
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<tr>
<td>14:00-14:30</td>
<td>Industry Symposium</td>
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<tr>
<td>14:30-15:00</td>
<td>Posters 7th Congress</td>
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<td>15:00-15:30</td>
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<td>20:00-24:00</td>
<td>7th Congress Closing and Awards</td>
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### Congress and Summit Dinner

### Workshop on texture modified food

### Industry Symposium
## WEDNESDAY, SEPTEMBER 20

### 08:30 - 10:30  
P01 Parkinson's disease  
**Auditorium**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:30</td>
<td>NATURAL HISTORY OF PARKINSON’S DISEASE, OROPHARYNGEAL DYSPHAGIA IN ON AND OFF PHASES, Pilar Sanz</td>
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<tr>
<td>08:45</td>
<td>NEUROPHYSIOLOGY OF OROPHARYNGEAL DYSPHAGIA IN PARKINSON’S DISEASE, Emilia Michou</td>
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<tr>
<td>09:00</td>
<td>PREVLELANCE OF OROPHARYNGEAL DYSPHAGIA AND DROOLING IN PARKINSON’S DISEASE, Hanneke Kalf</td>
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<tr>
<td>09:15</td>
<td>VFS AND FEES SIGNS, Laura Baijens</td>
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<tr>
<td>09:30</td>
<td>ESOPHAGEAL FUNCTION AND PD, David Smithard</td>
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<tr>
<td>09:45</td>
<td>EATING AND DRINKING WITH PD, David Smithard</td>
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### 10:30 - 11:00  
Coffee break  
**Exhibition Hall**

### 11:00 - 13:00  
P02 & P03 Management of dysphagia in ALS, MG, MS and progressive muscle diseases  
**Auditorium**

<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>11:00</td>
<td>RELEVANCE AND NATURAL HISTORY OF DYSPHAGIA IN ALS, Monica Povedano</td>
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<tr>
<td>11:15</td>
<td>SWALLOWING DYSFUNCTION IN MYOTRONIC DYSTROPHY, Walmari Pilz</td>
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<td>11:30</td>
<td>FEES IN THE DIAGNOSIS OF MYASTHENIA GRAVIS, Tobias Warnecke</td>
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<td>11:45</td>
<td>NATURAL HISTORY OF MULTIPLE SCLEROSIS, Jaume Sastre-Garriga</td>
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<tr>
<td>12:00</td>
<td>MULTIPLE SCLEROSIS: PREVALENCE OF DYSPHAGIA, CLINICAL AND VFS SIGNS AND SYMPTOMS, Astero Constantino</td>
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<td>12:15</td>
<td>EVIDENCE-BASED TREATMENT OF MULTIPLE SCLEROSIS, Hans Bogaardt</td>
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<tr>
<td>12:30</td>
<td>INTERVENTIONS FOR DYSPHAGIA IN LONG-TERM, PROGRESSIVE MUSCLE DISEASE, Margaret Walshe</td>
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<tr>
<td>12:45</td>
<td>DISCUSSION</td>
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### 13:00 - 14:00  
Lunch  
**Exhibition Hall**

### 13:30 - 14:00  
Industry symposium S1  
**Auditorium**
### Scientific Programme

**PRECONGRESS**

**WEDNESDAY, SEPTEMBER 20**

**Auditorium & Exhibition Hall**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>14:00 - 15:30</td>
<td><strong>P04 Dementia</strong></td>
<td>Auditorium</td>
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<tr>
<td>Chairs: P. Clavé</td>
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<tr>
<td>14:00</td>
<td>OROPHARYNGEAL DYSPHAGIA IN DEMENTIA AND ALZHEIMER, THE GERIATRICIANS PERSPECTIVE, John Morley</td>
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<tr>
<td>14:30</td>
<td>DIAGNOSIS AND EVIDENCE-BASED MANAGEMENT OF OROPHARYNGEAL DYSPHAGIA, Margaret Walshe</td>
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<tr>
<td>14:45</td>
<td>EATING AND DRINKING WITH DEMENTIA, Dorothee Volkert</td>
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<td>15:00</td>
<td>DISCUSSION</td>
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<th>Time</th>
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<tbody>
<tr>
<td>15:30 - 16:00</td>
<td><strong>Coffee break</strong></td>
<td>Exhibition Hall</td>
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<th>Time</th>
<th>Session</th>
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<tr>
<td>16:00 - 17:30</td>
<td><strong>P05 Management and ethics</strong></td>
<td>Auditorium</td>
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<td>Chairs: R. Speyer</td>
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<tr>
<td>16:00</td>
<td>EFFECTS OF CLASSIC THERAPIES, Renée Speyer</td>
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<tr>
<td>16:15</td>
<td>ACTIVE TREATMENTS: NEUROREHABILITATION, Emilia Michou</td>
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<td>16:30</td>
<td>BOTOX, DILATION AND SURGERY, Laura Baijens</td>
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<td>16:45</td>
<td>WHEN TO PEG/WHEN NOT TO, Patrick Cras</td>
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<td>17:00</td>
<td>ETHICS / WHEN TO STOP, Patrick Cras</td>
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<td>17:15</td>
<td>DISCUSSION</td>
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<th>Time</th>
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<th>Location</th>
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<tr>
<td>17:30 - 18:00</td>
<td><strong>European Respiratory Society/ESSD symposium</strong></td>
<td>Auditorium</td>
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<tr>
<td>Chairs: E. Verin</td>
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<tr>
<td>17:30</td>
<td>DYSPHAGIA AND SLEEP DISORDERS: FROM PHYSIOLOGY TO CLINICAL APPLICATIONS, Marisa Bonsignore</td>
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<td>17:45</td>
<td>FUNCTIONAL ASSESSMENT OF RESPIRATION IN PATIENTS WITH PROGRESSIVE NEUROLOGICAL DISEASES, Andrea Aliverti</td>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>18:00 - 19:00</td>
<td><strong>Welcome reception / opening exhibition</strong></td>
<td>Exhibition Hall</td>
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</table>
THURSDAY, SEPTEMBER 21

08:00 - 09:30  Session 01. Free papers 1: Instrumental assessment and dysphagia diagnosis

08:00  
METHODIC BACKGROUND OF NARROW BAND IMAGING (NBI) IN DYSPHAGIA DIAGNOSTIC - PROPOSING A HIGH SENSITIVITY FEES+
_A. Niessen; J.C. Nienstedt; C. Pflug / Germany_

08:10  
DEEP LEARNING BASED CLASSIFICATION OF SWALLOWING MEASURES USING A SMARTPHONE CONNECTED WEARABLE DEVICE
_D. Jayatilake; T. Shimokakimoto; K. Suzuki / Japan_

08:20  
RESIDUES AND TIME CLEARING: ARE THESE PARAMETERS CORRELATED IN EXPRESSING DYSPHAGIA SEVERITY? 
THE TIMED POOLING SCORE (TP-SCORE): PRELIMINARY CONSIDERATIONS.
_D. Farneti; B. Fattori; L. Bastiani; E. Genovese / Italy_

08:30  
RELATIONSHIPS BETWEEN UPPER ESOPHAGEAL SPHINCTER OPENING AND NADIR PRESSURES IN PATIENTS WITH DYSPHAGIA
AND HEALTHY CONTROLS
_C.A. Jones; S.M. Abdelhalim; T.M. McCulloch / United States_

08:40  
CORRELATION BETWEEN PHARYNGEAL RESIDUE AND ASPIRATION IN FIBEROPTIC ENDOSCOPIC EVALUATION OF SWALLOWING
_Y. Shapira-Galitz1; H. Shoffel-Havakuk2; D. Halperin1; Y. Lahav1 / Israel; 2United States_

08:50  
INTER-RATER RELIABILITY OF AN ONLINE ANALYSIS PLATFORM FOR PHARYNGEAL HIGH-RESOLUTION IMPEDANCE MANOMETRY
(HRIM) RECORDINGS
_Maartje Singendonk1; C. Cock2; M. Szczesniak2; L. Ferris2; M.A. Benninga1; T.I. Omari2 / 1Netherlands; 2Australia_

09:00  
SIMULTANEOUS RADIOLOGIC AND FIBERENDOSCOPIC EVALUATION OF SWALLOWING (SIRFES)
_M. Scharitzer; I. Roesner; P. Pokieser; D.M. Denk-Linnert / Austria_

09:10  
HAS THE OUTPATIENT MANAGEMENT OF GLOBUS PHARYNGEUS IN A UK ADULT POPULATION CHANGED? AN UPDATE OF
CURRENT PRACTICE TO REVIEW THE USE OF AVAILABLE INVESTIGATIONS INCLUDING TRANSNASAL OESOPHAGOSCOPY
_A. Harrison; Y. Karagama / United Kingdom_
<table>
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Venue</th>
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<tbody>
<tr>
<td>09:30</td>
<td><strong>Session 02. Oropharyngeal dysphagia and frailty, sarcopenia, aspiration pneumonia</strong></td>
<td>Auditorium</td>
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<td>Chairs: P. Clavé</td>
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<td>09:30</td>
<td><strong>FRAIL PHENOTYPE AND OROPHARYNGEAL DYSPHAGIA</strong></td>
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<td>John Morley, USA</td>
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<td>09:50</td>
<td><strong>SARCOPENIC DYSPHAGIA</strong></td>
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<td>Hidetaka Wakabayashi, Japan</td>
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<td>10:10</td>
<td><strong>ASPIRATION PNEUMONIA AND HEALTHCARE ASSOCIATED PNEUMONIA IN OLDER PEOPLE</strong></td>
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<td>Jordi Almirall, Spain</td>
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<td>10:30</td>
<td><strong>7th ESSD Congress Opening Ceremony</strong></td>
<td>Exhibition Hall</td>
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<td>Jaume Padrós, President of the College of Physicians of Barcelona</td>
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<td>10:40</td>
<td><strong>Coffee break</strong></td>
<td>Exhibition Hall</td>
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<td>11:00</td>
<td><strong>Session 03. Free papers 2: Physiology 1</strong></td>
<td>Auditorium</td>
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<td>Chairs: N. Rommel; E. Michou</td>
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<tr>
<td>11:00</td>
<td><strong>VOLUME EFFECTS ON UPPER ESOPHAGEAL SPHINCTER OPENING IN AGEING</strong></td>
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<td>C. Cock; S. Doeltgen; C.M. Burgstad; A. Thompson; R.J. Fraser; T. Omari / Australia</td>
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<td>11:10</td>
<td><strong>EXPLORING EFFECT OF THERMAL TONGUE STIMULATION ON SENSORIMOTOR MODULATION OF HUMAN CORTICAL</strong></td>
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<td>PHARYNGEAL MOTOR PATHWAYS</td>
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<td>J. Magara¹; M. Watanabe¹; T. Tsujimura¹; S. Hamdy²; M. Inoue¹ / ¹Japan; ²United Kingdom</td>
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<td>11:20</td>
<td><strong>EVALUATION OF HIGH-RESOLUTION MANOMETRY NON-CLEARANCE PRESSURES WITHIN THE HYOPHARYNX DURING</strong></td>
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<td>SWALLOPING TASKS</td>
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<td>S.P. Rosen; C.A. Jones; S.M. Abdelhalim; T.M. McCulloch / United States</td>
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<td>11:30</td>
<td><strong>EFFECTS OF THE MENDELSOHN MANEUVER AND EFFORTFUL SWALLOW ON ESOPHAGEAL MOTILITY: A STUDY USING</strong></td>
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<td>HIGH-RESOLUTION MANOMETRY</td>
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<td>S. Imaeda; Y. Aoyagi; H. Taniguchi; M. Hirumuta; Y. Inamoto; S. Shibata; H. Kagaya; E. Saitoh / Japan</td>
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</table>
11:40 SWALLOWING FUNCTION IS A NON-DOPAMINERGIC CONDITION IN PARKINSON’S DISEASE
W. Nascimento; O. Ortega; M. Bolivar Prados; V. Arreola; P. Sanz; P. Clavé / Spain

12:00 - 12:30 Session 04. OD management
Auditorium
Chairs: O. Ekberg

12:00 COMPREHENSIVE MANAGEMENT OF OROPHARYNGEAL DYSPHAGIA IN OLDER PEOPLE IN NURSING HOMES
Marco Inzitari, Spain

12:15 COMPREHENSIVE MANAGEMENT OF OROPHARYNGEAL DYSPHAGIA IN OLDER PEOPLE IN ACUTE CARE HOSPITALS
Hidetaka Wakabayashi, Japan

12:30 - 13:00 Session 05. Poster session:
Exhibition Hall

SESSION 05. POSTER SESSION 1.1: SCREENING AND CLINICAL ASSESSMENT 1
Chairs: V. Arreola; R. Speyer

SESSION 05. POSTER SESSION 1.2: INSTRUMENTAL ASSESSMENT AND DYSPHAGIA DIAGNOSIS 1
Chairs: M. Velasco; L. Baijens

SESSION 05. POSTER SESSION 1.3: DYSPHAGIA IN NEURODEGENERATIVE DISEASES 1
Chairs: H. Kalf; M. Walshe

SESSION 05. POSTER SESSION 1.4: DYSPHAGIA IN NEURODEGENERATIVE DISEASES 2
Chairs: E. Verin; W. Pilz

SESSION 05. POSTER SESSION 1.5: DYSPHAGIA IN GERIATRIC PATIENTS 1
Chairs: M. Coelho de Matos; M. Huckabee

SESSION 05. POSTER SESSION 1.6: DYSPHAGIA IN CHILDREN 1
Chairs: Celia Harding; P. Fichaux-Bourin

SESSION 05. POSTER SESSION 1.7: TREATMENT 1
Chairs: S. Langmore; Y. Inamoto
SESSION 05. POSTER SESSION 1.8: DYSPHAGIA IN STROKE AND BRAIN DAMAGE 1  
Chairs: E. Michou; R. Terré

SESSION 05. POSTER SESSION 1.9: PHYSIOLOGY AND NEUROPHYSIOLOGY 1  
Chairs: S. Hamdy; T. McCulloch

SESSION 05. POSTER SESSION 1.10: DYSPHAGIA AFTER HNC TREATMENT 1  
Chairs: C. Lazarus; V. Woisard

13:00 - 13:30  Workshop on texture modified food for patients with OD  
Fundació Alicia and the chef Carme Ruscalleda  
Exhibition Hall

13:00 - 14:30  Lunch  
Exhibition Hall

13:30 - 14:30  Industry symposium S2  
Auditorium

14:30 - 15:30  Session 06. Free papers 3: Geriatric, neurodegenerative and complications in dysphagia  
Auditorium

14:30  SWALLOWING DYSFUNCTION IN COPD: IS IT MORE RELATED TO BURDEN OF DISEASE THAN LUNG FUNCTION? RESULTS FROM THE TIE-STUDY  
Margareta Gonzalez Lindh; A. Malinovschi; M. Högman; C. Jansson; K. Bröms; R. Bendrik; E. Brandén; K. Lisspers; B. Ställberg; M. Blom Johansson; H. Koyi / Sweden

14:40  OROPHARYNGEAL DYSPHAGIA IN A COHORT OF OLDER PATIENTS WITH DEMENTIA IN A PSYCHOGERIATRIC UNIT  
C. Espinosa; M. Graupera; O. Arias; A. Elvira; P. Clavé; M. Cabrè; E. Palomera; O. Ortega / Spain

14:50  EFFORTFUL SWALLOWING MANEUVER RESTRICTS UES OPENING IN HEALTHY OLDER VOLUNTEERS  
C. Cock; S. Doeltgen; M. Schar; C.M. Burgstad; A. Thompson; R.J. Fraser; T. Omari / Australia

15:00  CHANGES IN SWALLOWING BIOMECHANICS AND FUNCTION IN THE CONTEXT OF EFFORTFUL SWALLOWS IN HEALTHY ELDERLY INDIVIDUALS  
S.M. Molfenter; C. Hsu; Y. Lu; C. Sandler; C. Lazarus / United States
<table>
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<tr>
<th>Time</th>
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| 15:10    | CUT-OFF VALUES OF THE COUGH STRENGTH INDUCED BY THE CITRIC ACID INDUCED REFLEX COUGH TEST IN THOSE AT RISK OF ASPIRATION PNEUMONIA  
**D.G. Sohn, S. Im; Y.J. Jang; H.M. Oh; G.Y. Park / Korea, Republic of** |
| 15:30 - 16:00 | **Session 07. Malnutrition in older people**  
Chair: J. Kayashita; P. Clavé  
**ESSD-EUGMS WHITE PAPER: DYSPHAGIA - A GERIATRIC SYNDROME**  
**Omar Ortega, Spain**  
**MALNUTRITION IN OLDER PEOPLE**  
**Pedro Abizanda, Spain** |
| 16:00 - 16:30 | **Coffee break**  
**Exhibition Hall** |
| 16:30 - 17:30 | **Session 08. Free papers 4: Dysphagia in stroke patients**  
Chair: S. Hamdy; E. Verin  
**THE EFFECTS OF 1HZ LOW FREQUENCY TRANSCRANIAL MAGNETIC STIMULATION ON SWALLOWING FUNCTION IN POST-STROKE DYSPHAGIA**  
**Nezehat Özgül Ünlüer; C.M. Temuçin; N. Demir; S. Arslan; A.A. Karaduman / Turkey**  
**DOES THE IMPLEMENTATION OF DYSPHAGIA GUIDELINES IMPROVE THE OUTCOME IN PATIENTS WITH ACUTE STROKE? - IMPLICATIONS FROM A LARGE STROKE REGISTRY**  
**S. Suntrup-Krueger; J. Minnerup; P. Muhle; I. Claus; J. Schroeder; T. Marian; T. Warnecke; M. Kalic; K. Berger; R. Dziewas / Germany**  
**INCREASE OF SUBSTANCE P LEVEL IN SALIVA INDICATES TREATMENT SUCCESS OF PHARYNGEAL ELECTRICAL STIMULATION IN SEVERELY DYSPHAGIC STROKE PATIENTS**  
**P. Muhle; S. Suntrup-Krueger; S. Bittner; T. Ruck; I. Claus; T. Marian; J.B. Schröder; J. Minnerup; T. Warnecke; S.G. Meuth; R. Dziewas / Germany**  
**LARYNGEAL ELEVATION AND PHARYNGEAL SHORTENING IN LEFT VS RIGHT HEMISPHERIC STROKE: VARIATIONS IN DISPLACEMENT POSING NEW TREATMENT TARGETS**  
**Jessica Pisegna; S.E. Langmore; W.G. Pearson; S. Kumar / United States** |
17:10  INVOLVEMENT OF GLUTAMATE RECEPTORS IN THE ROSTRAL-COMMISSURAL, MEDIAL, AND VENTROLATERAL NTS SUBNUCLEI IN THE INITIATION OF SWALLOWS IN ANESTHETIZED GUINEA PIGS
T. Tsujimura¹; K. Tsuji²; B.J. Canning³; M. Inoue¹ / ¹Japan; ²United States

17:30 - 18:00  Session 09. Poster session:

SESSION 09. POSTER SESSION 2.1: SCREENING AND CLINICAL ASSESSMENT 2
Chairs: R. Gonçalves; H. Bogaardt

SESSION 09. POSTER SESSION 2.2: INSTRUMENTAL ASSESSMENT AND DYSPHAGIA DIAGNOSIS 2
Chairs: W. Nascimento; D. Farneti

SESSION 09. POSTER SESSION 2.3: DYSPHAGIA IN NEURODEGENERATIVE DISEASES 3
Chairs: A. Constantino; J. Allen

SESSION 09. POSTER SESSION 2.4: DYSPHAGIA IN GERIATRIC PATIENTS 2
Chairs: D. Smithard; M. Inzitari

SESSION 09. POSTER SESSION 2.5: DYSPHAGIA IN GERIATRIC PATIENTS 3
Chairs:  P. Abizanda; H. Wakabayashi

SESSION 09. POSTER SESSION 2.6: DYSPHAGIA IN CHILDREN 2
Chairs: Lenie van den Engel Hoek; S. Hironaka

SESSION 09. POSTER SESSION 2.7: TREATMENT 2
Chairs: E. Carrara de Angelis; K. Matsuo

SESSION 09. POSTER SESSION 2.8: DYSPHAGIA IN STROKE AND BRAIN DAMAGE 2
Chairs: J. Pisegna; J. Woo Park

SESSION 09. POSTER SESSION 2.9: PHYSIOLOGY AND NEUROPHYSIOLOGY 2
Chairs: M. Inoue; N. Demir

SESSION 09. POSTER SESSION 2.10: PROFESSIONAL ROLES IN DYSPHAGIA MANAGEMENT
Chairs: B. Martin-Harris; Z. Dou

18:00 - 19:00  ESSD General Assembly
FRIDAY, SEPTEMBER 22

08:00 - 09:00  Session 10. Free papers 5: Paediatric dysphagia, cerebral palsy and dysphagia treatment
Chairs: L. Baijens; S. Langmore

08:00  COMPARISON OF THICKENED LIQUID FLOW AND CONSISTENCY: BOSTWICK VS. IDDSI GRAVITY FLOW TESTING
C.E.A. Barbon; B.T. Mackichan; C.M. Steele / Canada

08:10  SPECIFICATION OF DYSPHAGIA WITH ORAL MUSCLE UTRASOUND IN PEDIATRIC MYOTONIC DYSTROPHY TYPE 1
L. van den Engel-Hoek; M. Lagarde; I.J.M. de Groot; C.E. Erasmus / Netherlands

08:20  PIECEMEAL DEGLUTITION AND THE IMPLICATIONS FOR PRESSURE IMPEDANCE SWALLOW ASSESSMENT
L. Ferris1; S. King1; L. McCall1; N. Rommel1; S. Doeltgen1; I. Scholten1; T. Omari2; S. Doeltgen1 / 1Australia; 2Belgium

08:30  PREVALENCE OF SWALLOWING AND FEEDING PROBLEMS IN CEREBRAL PALSY ACROSS THE LIFESPAN
R. Speyer1; E. Michou2; R. Cordier1 / 1Australia; 2United Kingdom

08:40  FUNCTIONAL AND STRUCTURAL CONNECTIVITY IN CHILDREN WITH UNILATERAL CEREBRAL PALSY AND CLINICAL DYSPHAGIA: A MULTIMODAL NEUROIMAGING STUDY
G.A. Malandraki1; L.F. Mourao2; L. Kun-Han1; K.M. Friel1; K.F. Luchesi3; J.J. Sheppard1; A.M. Gordon1; Z. Liu1 / 1United States; 2Brazil

09:00 - 09:30  WDS 01: Epidemiology of dysphagia
Committee: Zulin Dou, Reinie Cordier, Satoru Ebihara, Makoto Inoue, Susan Langmore, Dorte Melgaard, Rodrigo Morales, Oshrat Sella, David Smithard

09:30 - 10:30  Session 11. Free papers 6: Assessment
Chairs: K. Matsuo; M. Brodsky

09:30  UVULOPALATOPHARYNGOPLASTY AND COBLATION CHANNELLING OF THE TONGUE FOR OBSTRUCTIVE SLEEP APNOEA SYNDROME: POTENTIAL IMPACTS ON SWALLOWING FUNCTION
M. Schar; C. Woods; C. Cock; T. Athanasiadis; E. Ooi; T. Omari / Australia
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Location</th>
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<tr>
<td>09:40</td>
<td>FLOW &amp; PRESSURE OF THICKENED BOLUSES IN A MECHANICAL ORAL SIMULATOR WITH SHEAR RHEOMETRY</td>
<td>A.G. Redfearn; B. Hanson / United Kingdom</td>
<td>Auditorium &amp; Exhibition Hall</td>
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<td>09:50</td>
<td>MAXIMAL ISOMETRIC PRESSURES (MIP) OF THE TONGUE IN HEALTHY BELGIAN TEENAGERS: INFLUENCE OF AGE, SEX, LOCATION, VISUAL FEEDBACK AND ORDER.</td>
<td>J. Vanderwegen; E. Horemans; A. Gielis; G. Van Nuffelen / Belgium</td>
<td>Auditorium &amp; Exhibition Hall</td>
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<td>10:00</td>
<td>PHARYNGEAL HIGH-RESOLUTION MANOMETRY WITH/WITHOUT IMPEDANCE: A SYSTEMATIC REVIEW OF CURRENT METHODOLOGY AND ANALYSIS TECHNIQUES</td>
<td>K. Winiker; A. Gillman; E. Guiu Hernandez; M.L. Huckabee; K. Gozdzikowska / New Zealand</td>
<td>Auditorium &amp; Exhibition Hall</td>
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<td>10:10</td>
<td>PREDICTORS OF INTUBATION, PROLONGED NEED FOR A TRACHEAL CANNULA AND PEG-PLACEMENT IN PATIENTS WITH GULAIN-BARRE-SYNDROME</td>
<td>J.B. Schröder; T. Marian; P. Muhle; I. Claus; C. Thomas; R. Dittrich; H. Wiendl; T. Warnecke; S. Suntrup-Krüger; R. Dziewas / Germany</td>
<td>Auditorium &amp; Exhibition Hall</td>
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<tr>
<td>10:30-10:40</td>
<td>WDS Opening Ceremony</td>
<td>Catalan Health Minister Jaume Comín; E. Saitoh JSDR, G. McCullough DRS, P. Clavé ESSD</td>
<td>Exhibition Hall</td>
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<td>10:40-11:00</td>
<td>Coffee break</td>
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<td>Exhibition Hall</td>
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<td>11:00-12:00</td>
<td>WDS 02: Common diagnostic tools and procedures</td>
<td>Committee: Giselle Carnaby, Lukas Dagdilelis, Ichiro Fujishima, Roberta Gonçalves da Silva, Mansi Jagtap, Bonnie Martin-Harris, Koichiro Matsuo, Antonio Schindler, Renée Speyer, Hongmei Wen</td>
<td>Auditorium</td>
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<tr>
<td>12:00-13:00</td>
<td>Session 12. Free papers 7: Physiology 2</td>
<td>Chairs: M. Huckabee; J. W. Park</td>
<td>Auditorium</td>
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<td>12:00</td>
<td>DEVELOPMENT OF AN ESOPHAGEAL MECHANICAL STIMULATION METHOD FOR ELICITING THE SWALLOWING REFLEX IN HEALTHY YOUNG SUBJECTS</td>
<td>H. Taniguchi; Y. Aoyagi; S. Imaeda; M. Hirumuta; K. Nakagawa; K. Matsuo; E. Saitoh / Japan</td>
<td>Auditorium</td>
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12:10 ADJUSTMENT OF TRUE VOCAL CORD FOR AIRWAY PROTECTION DURING SWALLOW - KINEMATIC ANALYSIS USING 320-ROW AREA DETECTOR CT
Y. Inamoto1; E. Saitoh1; H. Kagaya1; S. Shibata1; H. Tsuzuki1; Y. Ito1; K. Aihara1; J.B. Palmer2 / 1Japan; 2United States

12:20 EFFECTS OF THETA BURST STIMULATION ON SUPRAHYOID MOTOR CORTEX EXCITABILITY IN HEALTHY SUBJECTS
T. Lin; L.S. Jiang; Z.L. Dou; C. Wu; F. Liu; G.Q. Xu; Y. Lan / China

12:30 A COMPARATIVE STUDY ON THE THERAPEUTIC EFFECT OF TRPV1, TRPA1 AND TRPM8 AGONISTS ON SWALLOWING DYSFUNCTION ASSOCIATED WITH AGING AND NEUROLOGICAL DISEASES
D. Alvarez-Berdugo; L. Rofes; V. Arreola; A. Martin; L. Molina; P. Clavé / Spain

12:40 EXPLORING THE EFFECTS OF CARBONATION ON SWALLOW SAFETY IN ADULTS WITH NEUROGENIC DYSPHAGIA: A FEES STUDY
E. Higgins; J. Regan / Ireland

13:00 - 13:30 Workshop on texture modified food for patients with OD
GAN and Alicia Costa

13:00 - 14:30 Lunch

13:30 - 14:30 Industry symposium S3

14:30 - 15:00 Session 13. Poster session:
SESSION 13. POSTER SESSION 3.1: SCREENING AND CLINICAL ASSESSMENT 3
Chairs: R. Guedes; C. Steele

SESSION 13. POSTER SESSION 3.2: INSTRUMENTAL ASSESSMENT AND DYSPHAGIA DIAGNOSIS 3
Chairs: B. Martin-Harris; J. Vanderwegen

SESSION 13. POSTER SESSION 3.3: DYSPHAGIA AFTER HNC TREATMENT 2
Chairs: L. Baijens; G. Carnaby
SESSION 13. POSTER SESSION 3.4: DYSPHAGIA IN CHILDREN 3
Chairs: S. Jury; S. Hironaka

SESSION 13. POSTER SESSION 3.5: DYSPHAGIA IN CHILDREN 4
Chairs: A. Furkim; P. Fichaux-Bourin

SESSION 13. POSTER SESSION 3.6: TREATMENT 3
Chairs: M. Crary; S. Carrión

SESSION 13. POSTER SESSION 3.7: DYSPHAGIA IN STROKE AND BRAIN DAMAGE 3
Chairs: N. Rogus-Pulia; I. Fujishima

SESSION 13. POSTER SESSION 3.8: PHYSIOLOGY AND NEUROPHYSIOLOGY 3
Chairs: S. Molfenter; S. Farpour

SESSION 13. POSTER SESSION 3.9: TREATMENT 4
Chairs: A. Karaduman; M. Trapl

SESSION 13. POSTER SESSION 3.10: OTHER
Chairs: L. Riquelme; M. Walshe

15:00 - 16:00  WDS 03: Minimum standards of care
Auditorium
Committee: Julie Backmeier-Kraemer, Martin Brodsky, Elisabete Carrara de Angelis, Moataz Elzayat, Masako Fujiu-Kurachi, Hitoshi Kagaya, Huijuan Li, Douglas van Daele, Eric Verin

16:00 - 16:30  Coffee break
Exhibition Hall

16:30 - 17:30  Session 14. Free papers 8: Dysphagia after HNC treatment
Auditorium
Chairs: G. Lawson; V. Woisard

16:30  EVOLUTION OF ACUTE POSTSURGICAL DYSPHAGIA AFTER TORS FOR OROPHARYNGEAL CANCER: A PROSPECTIVE REGISTRY ANALYSIS
K.A. Hutcheson; J.S. Lewin; J.S. Zaveri; C.D. Fuller; M. Amit; G.B. Gunn; R. Ferrarotto; N.D. Gross / United States
16:40  SUBMENTAL MUSCLE DOSE/VOLUME PREDICTS VIDEOFLUOROSCOPY DETECTED DYSPHAGIA PER DIGEST IN OROPHARYNGEAL CANCER SURVIVORS  
M. Jomaa; J.S.L. Lewin; M.P.B. Barrow; J.S.Z. Zaveri; A.S.M. Mohamed; C.D.F. Fuller; K.A.H. Hutcheson; M.A.M. Meheissen / United States

16:50  DOES ORGAN PRESERVATION MEAN A HIGHER QUALITY OF LIFE? QUALITY OF LIFE AND SWALLOWING FUNCTION IN PATIENTS AFTER TREATMENT OF ADVANCED HEAD AND NECK CANCERS  
L. Richter; B. Schilling; S. Graf / Germany

17:00  DOES PRE-TREATMENT EDUCATION MODEL IMPACT ON SWALLOW AND NUTRITION OUTCOMES IN HEAD AND NECK CANCER PATIENTS RECEIVING (CHEMO)RADIOTHERAPY?  
B. Cartmill; L.R. Wall; W. Sim; E. Fong; E. Ward; A. Johnson; A. Brown; S.V. Porceddu / Australia

17:10  CAN NEW ASSESSMENT TOOLS PROVIDE GREATER INSIGHT INTO THE NATURE OF DYSGEUSIA DURING AND POST HEAD AND NECK CANCER MANAGEMENT?  
B. Messing; E.C.W. Ward; C.L.L. Lazarus; K.R. Ryniak; S.M. Merritt; J.S. Silinonte; M.K. Kim; X.C.Z. Zhou / United States

17:30-18:00  7th Congress Closing Ceremony and Awards

20:30  Congress Dinner
SATURDAY, SEPTEMBER 23

08:30 - 09:30  WDS 04: Evidence based classification for food and liquid texture modification  
Committee: Silvia Carrión, Julie Cichero, Pere Clavé, Alicia Costa, Jynoko Fujitani, Ana Furkim, Jyun Kayashita, Don-Kyu Kim, Catriona Steele, Dorothee Volkert

09:30 - 10:30  WDS 05: New rehabilitation tools, Who? When? How?  
Committee: Yoichiro Aoyagi, Irina Avdyunina, Paula Cola, Numan Demir, Shaheen Hamdy, Maggie-Lee Huckabee, Yoko Inamoto, Jin Woo Park, Emily Plowman

10:30 - 11:00  Coffee break

11:00 - 11:30  WDS 13: Oesophageal dysphagia  
Committee: Kulwinder Dua, Yukio Katori, Dong Ho Lee, Noriaki Manabe, Benson Massey, Taher Omari, Peter Pokieser, Nathalie Rommel, Cecilio Santander, Martina Scharitzer, Daniel Sifrim, Mónica Zavala.

11:30 - 12:00  WDS 06: Paediatric dysphagia  

12:00 - 12:30  WDS 07: The multidisciplinary team and the deglutologist  
Committee: Laura Baijens, James Coyle, Danièle Farneti, Rebecca German, Hitoshi Kagaya, Tim McCulloch, Walmari Pilz, José Vartanian, Virginie Woisard

12:30-13:00  WDS 12: The patients and their organizations  
### 13:00 - 13:30  Workshop on texture modified food for patients with OD
**Venue:** Exhibition Hall

*Fundació Àlicia and the chef Fermí Puig*

### 13:00 - 14:30  Lunch
**Venue:** Exhibition Hall

### 13:30 - 14:30  Industry Symposium S4
**Venue:** Auditorium

### 14:30-15:00  WDS 09: Health economics of dysphagia
**Committee:** Jacqui Allen, Julia Álvarez, Lucia Figueiredo Mourao, Ming-Lun Hsu, Shinichi Izumi, Cathy Lazarus, Guillem López-Casasnovas, Sergio Marín, Keiko Onogi, Julie-Ann Regan
**Venue:** Auditorium

### 15:00-15:30  WDS 10: Politics, the role of scientific societies and regulatory bodies
**Committee:** Pere Clavé, Roberto Dantas, Olle Ekberg, Mohamed Farahat, Hanneke Kalf, Yayoi Kamakura, Rosemary Martino, Jaume Padrós, Eiichi Saitoh, Reza Shaker
**Venue:** Auditorium

### 15:30-16:00  WDS 11: The role of the industry
**Committee:** Arash Babaei, Philip Bath, Pere Clavé, Mª Asuncão Coelho de Matos, Eddy Dejaeger, Georges Lawson, Takahiro Ono, JoAnn Robbins, Eiichi Saitoh
**Venue:** Auditorium

### 16:00 - 16:30  Coffee break

### 16:30-17:00  WDS 08: Education and accreditation of HCP in dysphagia
**Committee:** Rainer Dziewas, Renata Guedes, Ayse Karaduman, Paula Leslie, Ashli O’Rourke, Itaru Takehara, Michaela Trapl, Akio Tsubahara, Margaret Walshe, Pattra Wattanapan
**Venue:** Auditorium

### 17:00-17:30  Conclusions: Where do we go from here?
**JSDR, DRS, ESSD Presidents:** Eiichi Saitoh, Gary McCullough, Pere Clavé
**Venue:** Auditorium
**Scientific information**

**Oral Presentations**
All speakers must download their presentations in the speaker’s ready room at least 2 hours before their sessions, unless they have sent them to the scientific secretariat in advance. Presenters cannot use their personal computers for their presentations. We recommend using Microsoft to ensure compatibility. There will be a technician in the room who can help you.

Presenters must be one of the authors of the study which must be original. Abstracts are published in Dysphagia Journal following the congress and are put on the ESSD website. Presenters must have permission to show all their images and data, it is common practice for other delegates to photograph and record interesting presentations.

**Speaker’s Ready Room**

Opening times:
- Wednesday 20 September, 07:30 - 17:30
- Thursday 21 September, 07:00 - 18:00
- Friday 22 September, 07:00 - 18:00
- Saturday 23 September, 07:30 - 16:30

ESSD films the invited lectures and uses the videos as educational material available to ESSD members through the website (password controlled). We asked all invited lecturers to sign a form authorising us to do this, as well as a conflict of interest form. Session 02, Thurs 21 Sept, will be livestream.

**Poster Presentations**

All posters will be displayed all day Thursday and Friday. Poster presenters staying for the World Dysphagia Summit may leave their posters displayed during Saturday as well. Posters must be mounted before the morning coffee break on Thursday and removed after the afternoon coffee break on Friday or Saturday. Posters that are not removed by Saturday afternoon will be discarded.

Poster presenters must send a pdf of their poster to the scientific secretariat executiveofficer@myessd.org. The pdf file will be available through a QR code beside the poster and after on the ESSD website members’ section.

Presenters must be one of the authors of the study which must be original. Abstracts are published in Dysphagia Journal following the congress and are put on the ESSD website.

**Abstract Book**

Abstracts presented in the congress are available in the abstract book. There is an author index at the end.
Congress information

Accreditation

Certificates of attendance and presentation can be sent to you by email at the end of the congress. This year ESSD has applied for CME credits from EAC-CME of the U.E.M.S. European board of accreditation and the CCFCPS, Catalan board of accreditation. Delegates who wish to be accredited must sign in and out of sessions to prove attendance. Delegates who want an EACCME certificate or an CCFCPS certificate must ask for it at the end of the congress and it will be sent to them online.

Language

The official language of the congress is English. Simultaneous translation is available into Spanish. Headphones can be picked up at reception and must be returned at the end of the day. Please put the volume at the minimum you can comfortably hear so as not to disturb the surrounding delegates.

Congress App

This year we have contracted an app and all updates will be posted on it as well as any last-minute changes to the programme. If you have any difficulties please ask the assistants or the Speakers Ready room. Details about the app are also available on the congress website www.essd2017.com

Registration

On-site registration is available but places are limited and material cannot be guaranteed. Delegate registration includes:

- Access to all congress sessions and commercial exhibition
- Delegate bag including all congress materials and a name badge
- Lunches and coffee breaks
- Welcome reception on Wednesday 20 September at 18h at the Palau de Congressos de Catalunya.

Registration and secretariat desk will be open:

- Wednesday, 20 September, 07:00 - 19:00
- Thursday 21 September, 07:00 - 18:00
- Friday 22 September, 07:00 -18:00
- Saturday 23 September, 08:00 -17:30
Satellite Symposium

Saturday, 23 September 2017
13:30 - 14:30h
Palau de Congressos de Catalunya Auditorium

**Nutritional and Rheological Interventions in Older Patients with Oropharyngeal Dysphagia**

**Chair** Prof. Olle Ekberg, Sweden

**Introduction**
Prof. Olle Ekberg, Sweden

**The Nutritional Perspective:** Dysphagia as a geriatric syndrome - Therapeutic approaches and interventions for sarcopenia, frailty, malnutrition and dehydration
Dr. Silvia Carrión, Spain

**The Rheological Perspective:** Therapeutic properties of a new gum based thickener in older patients with oropharyngeal dysphagia - Clinical and in vitro studies
Prof. Pere Clavé, Spain

**Q&A Session and Concluding Remarks**
Prof. Olle Ekberg, Sweden
TRANSPORT

How to get to Palau de Congressos de Catalunya

From the airport: Barcelona Airport El Prat (13 km)

- **By train/metro:** The train station is next to the Airport, Terminal 2. There are shuttle buses from Terminal 1 to 2. Take the train as far as Sants Estació, the city’s main train station. Once you arrive, take the subway train (Metro), Line 3 (green line) and get off at the Zona Universitària stop (2 minutes walking distance from the Palau). (Takes approximately 40 minutes.) Train to Sants costs 4.10€, Metro costs 2.15€ single ticket, T-10 9.95€ (10 tickets, can be used for multiple people and on buses and metro)
- **By Aerobus:** The Aerobus, express airport bus service, links the airport with key points of the city. The terminal for the Aerobus is just in front of each terminal. In order to get to the Hotel you must get off at the Plaça España (first stop within the city). Take the subway Line 3 from here (green line) and get off at the Zona Universitaria station (2 minutes walk from the Hotel). (Overall duration of trip: approximately 35 minutes.) Aerobus costs €5.90 single ticket: http://www.aerobusbcn.com, Metro costs 2.15€ single ticket, T-10 9.95€ (10 tickets, can be used for multiple people and on buses and metro)
- **By taxi,** yellow and black, 1-3 people, costs about 30€ (metre plus required supplements for leaving the airport and carrying luggage). Takes about 18 min
- **By limousine,** 1-3 people: from airport on request (88€)
- **By minivan,** 4-6 people: from airport on request (112€)

From the city centre (Plaça Catalunya)

- **Metro Linea 3** (green line) 24 min from Plaça Catalunya to Zona Universitat (last stop)
- **Bus 67,** Plaça Catalunya to Zona Universitat, 28 min
General information

Distances

• Nearly 6 km from Plaça Catalunya.
• 13 km from the airport (15 minutes by taxi)
• 2 minutes walk to the nearest Metro station (Line 3, green), bus (67) and tram.
• 3 kilometers from Sants, the city’s main train station.

BARCELONA
Situated on the shores of the Mediterranean Sea and backed by hills, Barcelona is a crowded, busy, attractive city. Two thousand years of history and a rich, vibrant culture have resulted in plenty to do and see. The climate and Mediterranean way of life means there is always a lot going on in the streets, squares, parks and seafront at almost all hours of the day and night. It has become a hallmark of fashion, fine dining, architectural wonders and cultural activity of all kinds. Despite its size, it is easy to move around by public transport or on foot.

WEATHER
The city of Barcelona, located in the Mediterranean shore, enjoys a privileged mild climate. The average temperature in September is around 21 °C.

VISA
Spain is member of the European Union and most visitors can enter without a visa.

ELECTRICITY
The type of voltage in Spain is 220 volts, 50HZ.

CURRENCY
The currency in Barcelona is the Euro (EUR / €).

BANK
Schedules may vary between banks, but most of them open from Monday to Friday from 08:15-14:15. Most banks have ATM in the street or foyer.

CREDIT CARDS
Almost all establishments accept payments by credit card. The main credit cards can also be used to obtain cash from an ATM. ATMs are generally available 24h a day.
General information and Social Programme

SHOPPING
The opening hours for shopping establishments are from Monday to Saturday from around 09:30 to 13:30 and 16:30 to 20:00. Big shopping centres do not close at midday. The main shopping is along Diagonal from the Congress Centre and down Passeig de Gracia and Rambla de Catalunya.

VISITING THE CITY
Barcelona has many attractions for all tastes. Some of the most popular are Antoni Gaudí’s buildings many of which are World Heritage such as Sagrada Familia, La Pedrera, Casa Batlló and Park Güell. There are also exceptional museums such as the Picasso Museum, Joan Miró Foundation, the finest collection of Romanic art at the Museu Nacional d’Art de Catalunya and for football fans, Camp Nou, Barça’s famous stadium and museum. Passeig de Gracia, Rambla Catalunya, the Rambla and the Gothic Quarter are choice spots for wandering around. There are hop on Tourist Buses www.barcelonabusturistic.cat/en and Daily Tours from Plaça Catalunya http://www.barcelonaguidebureau.com/daily-tours.

Phone numbers of interest
- Emergency phone number (police, fire ambulance): 112
- Medical emergencies: 061
- Palau de Congressos de Catalunya: 93 364 44 00
- Taxi (one of the companies), TAXI ECOLOGIC BARCELONA: 93 278 30 00

Social Programme

Welcome reception
The welcome reception will be held in the congress venue Palau de Congressos de Catalunya in the Exhibition Hall at 18:00 on Wednesday, 20 September.

Before the welcome reception, delegates can register and pick up their bags and badges for the congress, speakers and presenters can download their presentations and put up their posters.

Congress dinner
The dinner is on Friday 22 September at 20:30h in the Restaurant Can Travi Nou (Calle Jorge Manrique, s/n, Barcelona), an authentic catalan farmhouse famous for its charming spaces, and a gastronomy reference in the city.

There will be music and dancing on the terrace, weather permitting. Tickets are 60 euros for everyone, delegates, invited speakers and board members.

Please tell us if you have special dietary requirements.
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Nestlé Health Science
**WEDNESDAY, 20 SEPTEMBER**

**Symposium 1.**

13:30-14:00

*DJO sponsored symposium: “Chronic post-stroke OD – prevalence, pathophysiology and effect of transcutaneous electrical stimulation”*

*Chair: Prof. Pere Clavé, Spain*

Pathophysiology of post-stroke OD. Sensory and motor impairments.

*Emilia Michou, SLP*

Therapeutic effect of transcutaneous electrical stimulation on chronic post-stroke oropharyngeal dysphagia: a randomized controlled trial with two stimulation intensities. *Viridiana Arreola, SLP, Spain*

Discussion and conclusions.

*Prof. Pere Clavé, Spain*

**THURSDAY, 21 SEPTEMBER**

**Symposium 2.**

13:30 – 14:30

*Nestlé sponsored symposium: “Innovations in Dysphagia Diagnosis and Treatment”*

*Chairs: Philip Bath, UK / Catriona Steele, Canada*

Dysphagia in ICU patients: results of DYnAMICS study

*Patrick Zürcher, MD, Switzerland.*

Non-invasive bedside screening and assessment of swallowing

*Catriona M Steele, PhD, CCC-SLP, Canada*

Pharyngeal electrical stimulation for neurogenic dysphagia

*Philip M Bath, DSc, FMedSci, UK.*
Industry-sponsored symposiums

FRIDAY, 22 SEPTEMBER

13:30 - 14:30  **Symposium 3.**  
**Nutricia sponsored symposium: “Best care for your dysphagia patient - From screening to management”**

- **Auditorium**

  - Prof. Pam Enderby (UK) - Making a real difference to morbidity and mortality of dysphagic patients following stroke
  - Prof. Pere Clavé (Spain) - Effect of a range of viscosities of a gum-based thickener on the safety of swallowing in patients with post-stroke oropharyngeal dysphagia
  - Alexander Fillbrandt (Germany) - Role of digital media in the management of dysphagia

SATURDAY, 23 SEPTEMBER

13:30 – 14:30  **Symposium 4.**  
**Fresenius Kabi sponsored symposium: “Nutritional and Rheological Interventions in Older Patients with Oropharyngeal Dysphagia”**

- **Auditorium**

  - **Chair: Prof. Olle Ekberg, Sweden**
  - **13:30 – 13:40** Introduction  
    Prof. Olle Ekberg, Sweden
  - **13:40 – 14:00** The Nutritional Perspective: Dysphagia as a geriatric syndrome – Therapeutic approaches and interventions for sarcopenia, frailty, malnutrition and dehydration  
    Dr. Silvia Carrion, Spain
  - **14.00 – 14:20** The Rheological Perspective: Therapeutic properties of a new gum based thickener in older patients with oropharyngeal dysphagia – Clinical and in vitro studies  
    Prof. Pere Clavé, Spain
  - **14:20 – 14:30** Q & A Session and Concluding Remarks  
    Prof. Olle Ekberg, Sweden
PLATINUM SPONSOR

**Nutricia**
Advanced Medical Nutrition is a specialised business of Danone, focused on pioneering nutritional discoveries that help people live healthier and longer lives. Nutricia aims to establish medical nutrition as an integral part of healthcare, expanding Danone’s mission to bring health through food to as many people as possible. Nutricia’s extensive range of evidence-based nutrition products and services offer proven benefits and better patient outcomes. The company works with doctors and healthcare professionals in 40 countries to deliver better care and to lower the cost of care. Nutricia serves patients in hospitals, care home settings and in the community. The company pioneers nutritional solutions for oncology, critical care, stroke, frailty and memory loss. In paediatric care, Nutricia offers innovative products and services for the management of cow’s milk allergy, genetic metabolic disorders and faltering growth. For more information, visit www.nutricia.com

GOLD SPONSORS

**Fresenius Kabi**
Fresenius Kabi is a global healthcare company that specializes in lifesaving medicines and technologies for infusion, transfusion and clinical nutrition. The company’s products and services are used to help care for critically and chronically ill patients. Fresenius Kabi’s product portfolio comprises a comprehensive range of I.V. generic drugs, infusion therapies and clinical nutrition products as well as the medical devices for administering these products. Within transfusion technologies, Fresenius Kabi offers products for collection and processing of blood components and for therapeutic treatment of patient blood by apheresis systems. With its corporate philosophy of “caring for life”, the company is committed to putting essential medicines and technologies in the hands of people who help patients and finding the best answers to the challenges they face. For more information, please visit www.fresenius-kabi.com

EXHIBITORS

**Ampcare, LLC** is a FDA registered medical device and services company based in the United States that has developed the Effective Swallowing Protocol (ESP™). This systematic rehabilitation approach provides speech-language pathologists with additional tools to accelerate and restore a patient’s swallow function. ESP uses a specialized form of neuromuscular electrical stimulation administered through two uniquely designed, pie-shaped electrodes and a restorative posture device to provide the ideal head and neck position as well as resistive exercises during the treatment. The therapy system is FDA cleared for treating dysphagia. For more information, please visit our website at www.ampcarellc.com.
ATMOS has a clear target: to prolong life and to sustainably improve the quality of peoples’ lives. These results in further development and innovation: ATMOS develops safe and easy to handle medical solutions which offer users of modern medical technology new ways and possibilities. The ATMOS location in Germany is of great importance. In Lenzkirch, in the heart of the Black Forest, we develop intelligent complete solutions in four different price and performance classes; this gives physicians worldwide the possibility to treat their patients and to provide them with the best of care. Especially in the field of Dysphagia diseases ATMOS developed a new portable endoscopic system which fits perfectly to the requirements of FEES. For more information’s please visit: http://www.atmosmedical.com/solutions/ent/diagnosis/atmos-fees-portable

In 2017, Chattanooga celebrates 70 years as the world’s largest manufacturer of rehabilitation equipment setting a benchmark for leadership, reliability and excellence. Chattanooga’s VitalStim Therapy is a specialized form of neuromuscular electrical stimulation (NMES) designed to treat Dysphagia through muscle re-education. It is being used in hospitals, acute care facilities and freestanding clinics worldwide helping Speech Language Pathologists (SLPs) to treat patients and retrain them in muscle control allowing them to swallowing. VitalStim Therapy is getting patients off PEG tubes or thickened liquids and back to the joys of eating. The VitalStim Plus device comes with colour video and graphical interface and incorporates innovative technologies, state-of-the-art sEMG and clinically proven treatment protocols. Chattanooga is part of the DJO Global group of brands. DJO is a global developer, manufacturer and distributor of high-quality medical devices that provide solutions for musculoskeletal health, vascular health and pain management. Our company ethos is “Motion is Medicine” and our portfolio of products are designed on the principle of the continuum of patient care from injury prevention through to rehabilitation after surgery, injury or degenerative disease, therefore enabling people to regain or maintain their natural motion.For additional information on DJO Global, please visit www.DJOglobal.com

Since 2008, Emotion Food Company develops technological food solutions to improve the daily lives of consumers and meet their specific needs. We conceived an innovative food binding agent, Easy-Base®. It is a ready-to-use vegan gelling agent, Swissmade, innovative, neutral in taste and odor. It can be used hot or cold, on all salty and sweet products, stable in temperature and ideal for finger-food. Our goal is to offer people autonomy and dignity by an adapted food. We bring sustainable and effective solutions so that healthcare establishments can diversify their offer. We want to demonstrate that participating in well-being while optimizing the costs of health is actually possible.

IOPI Medical LLC manufactures the Iowa Oral Performance Instruments (IOPI), products that objectively measures tongue and lip strength and can be used for biofeedback for oral motor exercises. It is typically used by speech pathologists and otolaryngologists with patients that have a variety of diseases, such as stroke, head and neck cancer, traumatic brain injury, Parkinson’s disease, Bell’s palsy and ALS. Objective measurements from the IOPI allows the therapist or physician to justify the need for therapy, set exercise parameters using the principles of exercise science, document the results, and evaluate program effectiveness.

KARL STORZ is a renowned manufacturer that is well established in all fields of endoscopy and can be considered as market leader in rigid endoscopy. The still family held company was founded in 1945 in Tuttlingen, Germany,
and has grown to one with a worldwide presence and 7100 employees. KARL STORZ offers a range of both rigid and flexible endoscopes for a broad variety of applications. Today’s product range also includes fully integrated concepts for the OR and servicing.

LABORIE, a leading global developer and manufacturer of medical devices in the pelvic health and gastroenterology markets, is proud to celebrate 50 years of innovation and commitment to improving the lives of patients suffering from Urologic and Gastrointestinal disorders. LABORIE’s product line includes solutions for Urodynamics, Anorectal Manometry, Uroflowmetry, Ultrasound, Pelvic Floor Rehabilitation, Gastroenterology and Neurology. For more information on LABORIE’s global product platform and educational course offerings please visit www.laborie.com.

Phagenesis Ltd, is committed to transforming the lives of people with dysphagia, using revolutionary treatments developed through a commitment to scientific and clinical excellence. The first product to be launched is Phagenyx. Phagenyx provides a unique innovative treatment for neurogenic dysphagia that uses Pharyngeal Electrical Stimulation (PES) to restore neurological control and in turn improve the swallow function. Phagenyx is designed to treat the cause of dysphagia, thereby reducing the risk of complications and associated costs and improving outcomes. The treatment is based on over 20 years of research and development.

Thick & Easy™ Instant Food and Beverage Thickener provides effective solutions in the management of individuals with dysphagia. The comprehensive range of Thick & Easy™ products, from powders through to ready-made meals, enable you to effectively manage your patients’ swallowing difficulties, whilst meeting their nutritional demands, without compromising on the flavour and appearance they deserve. Visit the Thick & Easy™ stand to find out for yourself.

The flagship product of TIMS Medical is the TIMS 2000 SP, the premiere system for DICOM connectivity, long format recording of modified barium swallow fluoroscopy studies, and PACS connectivity for fluoroscopy & endoscopy studies. The MBS studies are used for speech language pathology and dysphagia analysis, and TIMS typically replaces low quality DVD-video and fluoroscopy system only recording. TIMS provides all studies in the native, high resolution format, and completely eliminates the HIPAA risk associated with DVD and other removable media. TIMS provides capture of the high resolution study at 30 frames per second, synchronized audio recording, sending of the study to PACS in DICOM format, remote review & analysis with TIMS DICOM Review Software, and printing. Additionally, speech pathology and endoscopy specific workflows are provided including simple study editing, series description labeling, stopwatch timings of swallow events, and much more. TIMS Consultant is a patented, networked system that allows physicians, technicians, students, residents, fellows, and sub-specialty consultants at various physical locations to view and participate inter-operatively in high resolution video and audio of a surgery or diagnostic imaging procedure. Example applications include education & training at teaching hospitals for ultrasound & interventional radiology, robotic surgery telementoring, remote participation in a fluoroscopy procedure at a remote hospital, and much more. Real-time, high resolution video at 30 fps is transmitted along with audio over IP from all participants in the sessions.

ORLVISION GmbH (www.orlvision.com), is a German technology driven manufacturer of cameras and endoscopes with a significant know-how in ENT, amassed through a close cooperation with physicians and medical specialists. Our cooperation with Rehder|Partnere (www.rehder.de), a German leader in FEES Diagnostic, has led us to the integration of a state of the art Sponsors & Exhibitors
video endoscopy with an easy to use IT solution for findings, images analysis and diagnostics. The orlvision/Rehder|Partner FEES system can be tailored to the needs of every requests (private practices, ENT units, speech therapists or multifunctional clinical departments). The sleek trolley with its PC panel and just a video Naso-Laryngo-Scope can be easily rolled to the patient bed for a rapid and accurate FEES. www.orlvision.com

www.orlvision.com

The University of Canterbury offers a broad range of educational offerings for those seeking to advance clinical and research expertise in the area of dysphagia. The UC Rose Centre for Stroke Recovery and Research is a clinical research facility focused on development of innovative protocols and technologies for behavioural rehabilitation of dysphagia. Our ‘PERC Programme’ combines the unique skills and knowledge of Patients, Engineers, Researchers and Clinicians to expand options for rehabilitative recovery that are affordable, based on sound principles of neural recovery and are clinically salient to facilitate translation to clinical practice. The Biofeedback in Strength and Skill Training software and treatment protocol is one such development. This software – approved as a Class I medical device in the European Economic Area and New Zealand – represents a ‘first step’ to development of specific skill-based swallowing rehabilitation.

The University of Canterbury

University of Tsukuba, Japan is among the leading comprehensive research institutes in the world, and the Artificial Intelligence Laboratory established at the university in 2005 works with the Center for Innovative Medicine and Engineering in the University of Tsukuba Hospital for pioneering healthcare innovations. The Gokuri is our mHealth-based device for the real-time monitoring and evaluation of swallowing activities. The swallow measuring and the mealtime-care framework of Gokuri seamlessly connect hospitals, healthcare works and food manufacturers for offering the best possible pleasure of eating that satisfies the individual swallowing abilities. For additional information, please visit http://ai.iit.tsukuba.ac.jp/gokuri/en/ 

University of Tsukuba, Japan

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Collaborators
The European Society for Swallowing Disorders (ESSD) [www.myessd.org](http://www.myessd.org) is a non-profit European association of health care professionals working, doing research and studying in the field of dysphagia.

Given the high incidence of swallowing disorders and their consequences, it is necessary to increase the awareness and improve the care for patients with swallowing disorders.

www.postgraduateswallowingdisorders.com
Evidence based innovative treatment targeting the cause of neurogenic dysphagia

Continuous improvement with the launch of the Phagenyx® Next Generation catheter

- Two-part catheter - treatment sleeve, nasogastric tube: No need to reposition the catheter for feeding or stimulation.
- Guidewire: For a simple and easy insertion of the catheter.
- Oral guide: To easily check accurate electrode position.
- Garment clip: For a good support of the catheter.

COME FOR A DEMONSTRATION AT STAND 14 IN THE EXHIBITION HALL

www.phagenesis.com

1. Data on file at Phagenesis Ltd. Phagenyx® system is CE marked and is available for sale only in the European Economic Area and Switzerland.
Patients with dysphagia may require a texture-modified diet to ensure a safer swallow.

Nutilis Clear is an advanced thickening powder that does not change the taste, transparency or appearance of thickened foods or drinks, and is amylase resistant so thickened foods and drinks retain consistency, helping dysphagia patients with a safer swallow.

Preparing foods and drinks with Nutilis Clear helps dysphagia patients to not only take in adequate nutrition and hydration, but to also relax and enjoy mealtimes again.

Alda, 54, cares for her mother who suffers from dysphagia following a stroke in 2012.

Nutilis is a food for special purposes for the dietary management of dysphagia and must be used under medical supervision.