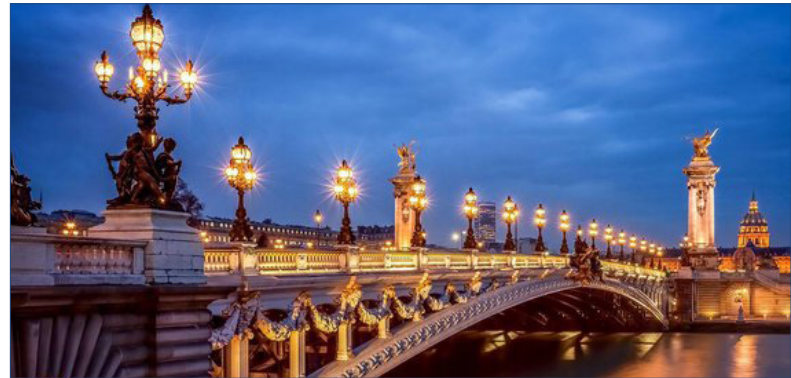
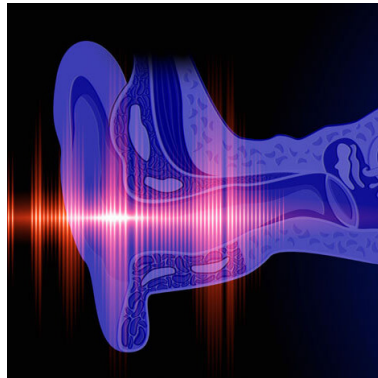

Scientific Tracks & Sessions

September 10, 2018

ENT & Stem Cell 2018



Joint Event
6th International Conference on
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A new assessment for evaluating the facial disability in patients with Bell's Palsy

Arianna Di Stadio

Sapienza University of Rome, Italy

Introduction: Several authors have proposed different methods for evaluating movement's disease in patient affected by facial palsy. Despite these efforts the House Brackmann is still the most used assessment especially in the Otolaryngology community.

Aim: The aim of our study is to assess a new rating assessment, the ADS, for the clinical evaluation of facial paralysis.

Materials and Methods: Sixty patients affected by unilateral facial Bell paralysis were enrolled in a prospective study from 2012 to 2014. Their facial nerve function was evaluated by three physicians with our assessment by analysing facial district that were divided in upper, middle and lower third of the face. We analysed different facial expressions. Each movement studied represents the action of different muscles. The action of each muscle was scored from 0 to 1: 0 represents a complete flaccid paralysis, 1 indicates a normal muscle's. Synkinesis was considered in the assessment by reducing 0.5 from final score. Our results considered the easy and the speed in the evaluation process of the assessment, the accuracy to identify the muscle deficit and, the ability to calculate synkinesis by using a score.


Results: All the three observers agreed 100% in the highest degree of deficit. We found some discrepancies in intermediate score with 92% agreement in upper face, 87% in middle and 80% in lower face, where more muscles were involved in each movement.

Conclusion: Our scale had some limitations linked to the small group of patients evaluated and we have had a little difficulty for understanding the intermediate score of 0.3 and 0.7. However, this was an accurate tool to quickly evaluate facial nerve function? This has potential as an alternative scale to diagnose facial nerve disorders.

Speaker Biography

Arianna Di Stadio is an Otolaryngologist, specialized in otology/neurotology, facial plastic surgery, and microsurgery. She is currently responsible for the otolaryngology research line at the San Camillo Hospital IRCCS in Venice, Italy. She collaborates with the Columbia University of New York and the Wayne University in Detroit. She is the reviewer for several international peer-reviewed journals and she is the author of several articles published in international journals.

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Bright new start for an old molecule

Thomas Mower
Sisel International, USA


From conception to birth, to adulthood, Stem cells regenerate our bodies as we grow bigger-better and viable. To complete these biological occurrences, there is a symbiotic relationship with telomeres to ignite, time and regulate the duplication process. Non-cancerous stem cell ignition is precisely tuned to prevent uninhibited proliferation as may take place as with tumors. The relationship of aging is characterized and correlated with the lack of proliferation, as happens in degenerative disarrangement of organ/structural decay. During the last few years it has become evident of the critical, vital relationship between stem cells and telomeres. Telomeres and stem cells working together are the main components necessary for stem cell ignition, in their symbiotic relationship to allay cancer, delay aging and regenerate youthful bio-factors closer to a more optimal state of functionality. In concept, it is possible to view these

as a major step toward the “End of Aging” with a return to a more youthful state and living much longer in a more youthful state.

Speaker Biography

Thomas Mower, President, founder of Sisel Int. & SupraNaturals, Specializes in R&D and manufacturing natural medicines distributed in 46 countries. In 1987 founded Neways Int. which became a billion dollar a year operation. Founder/Director of Whole Child (Orphans Education and training) within 74 facilities. Twice awarded Genius of the Year from the USA Patent Lawyers association for work in anti-aging-life extension-youth regeneration natural medicine. Hon, Doctorate diplomas from MS associations in Mexico and Russia. Knighted individually in Russia, Ukraine and Kazakhstan for a variety of natural medicines. Founder/Director Earth Stewardship, SFW, SFE in ecology, animal and environmental. Dalia Lama recognition diploma from work in Mongolian Herbal natural medicine. Avid outdoorsmen in cowboy horses, equestrian competition, ranching, fishing, hunting, ATV's and outdoor types of activities. Motivational speaker, author, professional sales/marketing trainer.

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Transoral robotic surgery (TORS): An alternative therapeutic approach in head and neck area

Anatoli Pataridou

Hygeia Hospital, Greece

Robotic surgery has been more recently introduced for the treatment of benign and malignant diseases of head and neck area, known as Transoral Robotic Surgery (TORS).

The most common indication for benign pathology is sleep apnea syndrome. TORS has been used for the removal of laryngeal cancers with the objective to improve functional and aesthetic outcomes without worsening survival.

Robotic surgery has several advantages:

- Three-dimensional vision
- Stable vision, as the camera is maintained and mobilized by one of the articulated arms of the robot
- More precise and finer instrument control with greater freedom of motion in all three dimensions
- Suppression of physiological tremor


Due to these advantages, TORS decreases the number of tracheotomies, and allows more rapid swallowing

rehabilitation and a shorter length of hospital stay. However, its disadvantages, mainly high cost amongst others, do not make robotic surgery the current treatment of choice for laryngeal tumours; transoral laser surgery is superior in most cases. TORS is an efficient tool for exposure and resection of early staged tumors, situated in head and neck anatomical sites with difficult endoscopic access. Nevertheless, the following aspects of robotic surgery need to be studied: indications and oncological results in patients treated by TORS. Technical improvements are expected to the new-generation robots, in order to expand the use of robotic surgery in the ENT field.

Speaker Biography

Anatoli Pataridou is an eminent physician. She has contributed with complete success to the intermittent tumor removal from the larynx with the Da Vinci Robotic Surgery System at Hygeia Hospital. Her clinical and research interest focuses on transient robotic surgery in the treatment of benign diseases such as obstructive sleep apnea and malignant mouth-pharyngeal laryngeal conditions in the application of endoscopic laser CO₂ in the treatment of benign and malignant oral pharyngeal disorder.

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Frequency of complications in aural foreign bodies

Faisal Bashir¹, Zulfiqar Ali¹, and Syed Ali Naqi²

¹Medical College Mirpur, Pakistan

²Islamabad Medical and Dental College, Pakistan

Objective: To determine the frequency of three complications in terms of bleeding, laceration of external auditory canal and perforation of tympanic membrane due to presence of foreign body in external auditory canal.

Methodology: This was a randomized study, all the cases; one hundred and ninety-six that presented for six months were included in our study by Consecutive Non-Probability Sampling. Otoscopic examination of both ears was carried out and patients with incidental findings were also included. After removing the foreign body laceration, ear bleed, and perforation of tympanic membrane and its type were documented.

Results: (25%) of patients developed bleeding, (13.8%) were having laceration while none of the patient presented with

tympanic membrane perforation. Cotton bud was found to be the commonest foreign body (33.7%) with associated bleeding.

Conclusions: Cotton buds are not suitable for ear cleaning, it causes bleeding and lacerations.

Speaker Biography

Faisal Bashir is working as associate professor. He has completed his MBBS, DLO, FCPS and he is also the supervisor of fellowship at CPSP. In Azad Kashmir, he is the pioneer in starting FESS and known by giving a new dimension to ENT head and neck surgery. He is also well recognized in this area for his services by elevating ENT department not only in-patient surgery, equipment but also in-patient care.

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Endoscope assisted retro sigmoid approach and internal auditory nerve canal compression syndromes

Arianna Di Stadio

Sapienza University of Rome, Italy

Introduction: The use of surgical decompression for treating nerve compression due to the loop in the internal auditory canal is not always accepted due to the risk related to the surgical procedure. Currently a new surgical technique allows surgeons to work in safer conditions.

Objective: To report the results with endoscope-assisted retro sigmoid approach for facial nerve or cochlear nerve microvascular decompression in hemifacial spasm due to neurovascular conflict.

Methods: We carried out a prospective study in a tertiary referral centre observing 12 (5 male, 7 female) patients affected by hemifacial spasm, and three patients (2 men, 1 woman) affected from tinnitus due to a compression of cochlear nerve that underwent to an endoscope assisted retro sigmoid approach for microvascular decompression. We evaluated intra-operative findings, postoperative resolution and complication rates.

Results: Hemifacial spasm resolution was noticed in 9/12 (75%) cases within 24 hours after surgery and in 12/12 (100%) subjects within 45 days. A significant ($p < 0.001$) correlation between preoperative historical duration of hemifacial spasm and postoperative recovery timing was recorded. Only 1 patient had a complication (meningitis), which resolved after intravenous antibiotics with no sequelae. No cases of cerebrospinal fluid leak, facial palsy or hearing impairment


were recorded. Hemifacial spasm recurrence was noticed in the only subject where the neurovascular conflict was due to a vein within the internal auditory canal. None of the patients with tinnitus reported short-term or long-term complications after surgery. After surgery, tinnitus resolved immediately in 2 patients, whereas in the other patient symptoms persisted although they improved; in all patients, hearing was preserved and ABR improved.

Conclusions: The endoscope assisted retro sigmoid approach technique offers an optimal visualization of the neurovascular conflict through a minimally invasive approach, thus allowing an accurate decompression of the facial nerve with low complication rates. Due to the less invasive nature, the procedure should be considered in functional surgery of the cerebellar pontine angle as hemifacial spasm treatment or cochlear nerve compression.

Speaker Biography

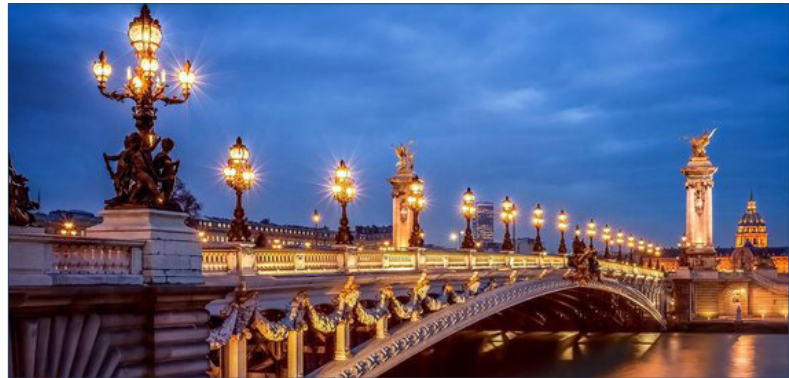
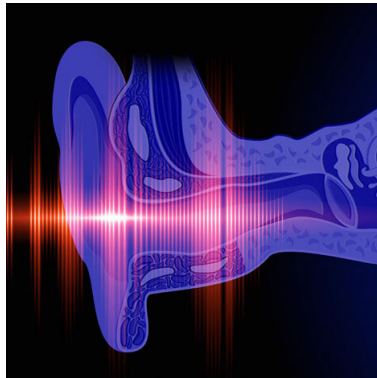
Arianna Di Stadio is an Otolaryngologist, specialized in otology/neurotology, facial plastic surgery, and microsurgery. She is currently responsible for the otolaryngology research line at the San Camillo Hospital IRCCS in Venice, Italy. She collaborates with the Columbia University of New York and the Wayne University in Detroit. She is the reviewer for several International peer-reviewed journals and she is the author of several articles published in international journals.

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Graceful exit

Gustavo Ferrer

Nova Southeastern University, USA

The management of complex critically ill patients has been overshadowed by use and abuse of technology and test. Research shows that critically ill patients and families often feel abandoned and rejected by the system and their doctors who no longer perform the physical exam or interact with their patients. The absence of patient-doctor-family interaction has created a gap between the patient-family-doctor relationship that can only be filled by developing a bedside teaching that understands the complexity and builds a compelling, time-sensitive connection with the patient and their families. Complex, critically ill patients offer the necessary challenge to create a Competency-Based Bedside Medical Education.

- Understand the value of bedside medicine in the management of complex patients as the basis for trust and healing.

- The effectiveness of bedside medicine in the management of complex surgical patients as the foundation for an accurate diagnosis and high-quality patient-centered care.
- How to develop the framework for assessing the bedside competencies required to manage complex surgical patients.

The participants will be able to develop and apply four pillars for an effective bedside medicine that will build the foundation for accurate diagnosis, trust, and healing.

Speaker Biography

Gustavo Ferrer is an experienced pulmonologist trained both in Cuba and the US, founder of the Cleveland Clinic Florida Cough Clinic, interstitial lung disease and president of intensive care experts. He is an authority on respiratory ailments with more than 20 years of experience. He left the Cleveland Clinic in 2013 to establish Intensive Care Experts, a practice dedicated to bringing high-quality medical advancements to acute care hospitals, long-term care hospitals, skilled nursing facilities and home-care patients.

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Cough cures

Gustavo Ferrer

Nova Southeastern University, USA

Cough Cures, challenges our Western mindset that over-medicates. The book offers evidence for conventional and natural remedies to effectively address coughs. The book is enriched by his medical training and experience in Cuba and in the US. It's a holistic treatment approach to one of the most common reasons for unnecessary doctor's visits, over use of antibiotics, and avoidable expenses on over-the-counter medications. Cough Cures is about fending off coughs, colds and flu with the best of both worlds-conventional and natural medicines. It's about what to use instead of antibiotics, saving money on over-the-counters and natural remedies, and confidently navigating the aisles of your local Pharmacy. It teaches when to treat something safely at home, while saving hundreds of dollars on co-pays. It shares simple and effective tips for a healthy lifestyle-breathing exercises, acupressure, guided meditations-

while educating you on how to read a drug label, how to prepare for a doctor's appointment, and how to avoid unnecessary X-rays. Cough Cures includes dozens of charts and illustrations plus hundreds of research studies to back up its recommendations for natural cures. Take control of your health with this invaluable resource. "Cough Cures" will help the ENT's, Allergies and Pulmonologist by providing the necessary tools to assist patients when facing upper respiratory infections and postnasal drip.

Speaker Biography

Gustavo Ferrer is an experienced pulmonologist trained both in Cuba and the US, founder of the Cleveland Clinic Florida Cough Clinic, interstitial lung disease and president of intensive care experts. He is an authority on respiratory ailments with more than 20 years of experience. He left the Cleveland Clinic in 2013 to establish Intensive Care Experts, a practice dedicated to bringing high-quality medical advancements to acute care hospitals, long-term care hospitals, skilled nursing facilities and home-care patients.

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Flexible Endoscopic Evaluation of Swallowing (FEES)

Anatoli Pataridou

Hygeia Hospital, Greece

Dysphagia, or else swallowing disorders, are associated with any subjective or objective difficulty in swallowing solid or liquid foods or the appearance of coughing or choking when swallowing. It is a very serious symptom that should be treated promptly, to avoid more serious complications for the patient. Dysphagia may be seen at various age groups, from infants to the elderly and may be the result of head and neck diseases, mouth, pharynx, larynx, palate malignancies, neuromuscular disorders, neurological diseases (multiple sclerosis, Parkinson's disease etc.), strokes, or it may follow after head injuries, complications in surgery, or x-raying in the head and neck area. In children, it is mainly due to congenital disorders, while in the elderly mainly due to degeneration of the central nervous system causing dysfunction in swallowing and other neurological diseases that lead to loss of consciousness, etc.

Swallowing disorders, however, can also occur suddenly, if they are a result of a car accident, trauma or postoperative

complication, and in these cases immediate restoration of the feeding function is required for the patient's survival. This can happen during feeding via a Levin tube or even gastrostomy. Dysphagia is being diagnosed with a very specialized and affordable test, which can be done at the clinic, at the hospital or at home if the patient cannot be transported. This examination is known as FEES (Flexible endoscopic evaluation of swallowing).

Speaker Biography

Anatoli Pataridou is an eminent physician. She has contributed with complete success to the 1st in Greece intermittent tumor removal from the larynx with the Da Vinci Robotic Surgery System at Hygeia Hospital. Her clinical and research interest focuses on transient Robotic Surgery in the treatment of benign diseases such as obstructive sleep apnea and malignant mouth-pharyngeal laryngeal conditions in the application of Endoscopic Laser CO₂ in the treatment of benign and malignant oral pharyngeal disorders-larynx.

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