





Egyptian School of Neuromuscular Disorders & Third International Conference of the Neuromuscular Chapter of Egyptian Socitey of Neurology, Psychiatry and Neurosurgery (ESNPN)

In collaboration with

Pan Arab Union of Neurological societies (PAUNS)
& The Neuromuscular Unit, Neuropsychiatry
Department, Faculty of Medicine,
Ain Shams University

Advances in Neuromuscular Disorders

Prof. Mahmoud El Meteini
President of Ain Shams University

Prof. Osama Mansour

Dean of Faculty of medicine Ain Shams University

Prof. Maha Mohamed Chairman of Neuropsychiatry

Prof. Nagia Fahmy

Director of Neuromuscular Chapter ESNPN & Conference President

Prof. Azza Abd El-Naser

Honorary president

Director of Neurology Unit, Ain Shams University

Dr. Radwa Solaiman

General Secretary of the Conference Lecturer of Neurology, Ain Shams University

11th-16th September 2022

11th_13th Training and Development Center TDC, Ain shams University.

14th-16th Intercontinental City Stars Hotel





Welcome message

On behalf of the Neuromuscular chapter, the Egyptian Society of Neurology, Psychiatry and Neurosurgery (ESNPN) and Pan Arab Union of Neurological Societies (PAUNS)

I have the pleasure to invite you to the 3rd international neuromuscular school and conference which will take place in Training and Development Center, Ain Shams University Hospital from 11th to 13th and in Intercontinental City stars Hotel from 14th to 16th of September 2022.

Our goal is to bring together, a multi-disciplinary group of scientists to present and exchange break-through ideas relating to neuromuscular disorders. It promotes top level research and discussions, focusing attention on the recent outstanding achievements in the field of neuromuscular disorders.

The topics of the Conference truly reflect the current trends, recent advances and new approaches in Neuromuscular disorders. The Conference will cover among others: Spinal muscular atrophy, Duchenne muscular dystrophy, Neuromuscular junction disorders, Amyotrphic lateral sclerosis, Metabolic myopathies, Inflammatory myopathies, Neuropathies, Neuromuscular Genetics and Genetic interventions. Hands-on NCS/EMG workshop with eminent scientists in the field.

Looking forward to meet all of you with our national and international guest speakers.



Dr. Nagia Aly Fahmy, MD
Professor of Neurology, Director,
Neuromuscular Chapter, ESPNP
President of the school and conference







President of the Conference:

Prof. Nagia Aly Fahmy,

Director of the Neuromuscular Chapter, ESNPN and Director of Neuromuscular Unit, Ain Shams University.

General Secretary of the Conference:

Dr. Radwa Solaiman,

Lecturer of Neurology, Ain Shams University

Honorary president of the Conference:

Prof. Azza Abd El-Naser

Director of Neurology Unit, Ain Shams University

Honorary Presidents:

Prof. Samiha Abd Elmoneim

Prof. Anwar Etribi

Prof. Samia Ashour

Scientic committee:

Prof. Samia Ashour,

Ain Shams University

Prof. Ayatallah Farouk,

Cairo University

Prof. Tarek Rageh, Assiut University

Prof. Sandra Ahmed,

Cairo University

Prof. Nermine Salah El-Din.

Ain Shams University

Prof. Azza Abbas.

Tanta University

Prof. Hazem Maarouf,

Alexandria University

Prof. Abeer Eltoony,

Aswan University

Organizing committee:

Dr. Hossam Afifi, Ain Shams University

Dr. Ahmed El Sadek, Ain Shams University

Dr. Amr Saeed, Ain Shams University

Dr. Rasha Mahmoud, Ain Shams University

Dr. Sara Ihab, Ain Shams University

Dr. Rana Zakaria, Ain Shams University

Dr. Yousra Fahmy, Ain Shams University

Dr. Riham Mahfouz, Ain Shams University

Dr. Menna Elgamal, Ain Shams University







International Guest Speakers



Prof. Albert Ludolp

Is Professor of Neurology and Chairman of the
Department of Neurology at the University Hospital and Medical Faculty
of Ulm. He is also acting Director of the Academic Neuroscience Centre of
the University of Ulm. He has established and leads the ALS-Centre at the
University Hospital of Ulm and directs a multidisciplinary team for
ALS care, clinical and experimental research.



Prof. Amro Stino, MD

is an Associate Professor in the Department of
Neurology in the University of Michigan Medical School (United States),
Division of Neuromuscular Medicine, and Director of the Peripheral
Neuropathy Clinic. He has research interest in inflammatory, metabolic,
and painful polyneuropathies, and is involved in numerous trials, including
an investigator-initiated phase 1b trial on the novel use of Lenalidomide in
anti-MAG peripheral neuropathy, as well as the International GBS Outcome
Study.



Prof. Bjarne Udd,

head of the neuromuscular disease research group at the Folkhälsan Research Centre and of the Tampere Neuromuscular Centre, Finland. A highly specialized center for comprehensive clinical care and research of all types of genetic and acquired conditions of muscle, nerve and neuromuscular junction. Prof Udd received the German 'Duchenne-Erb-Preis' science award by the German muscular dystrophy association Deutsche for his leading efforts in neuromuscular diseases.



Prof. Eduardo Tizzano FERRARI MD.PhD

is a specialist in Pediatrics and Medical Genetics.

He is devoted to diagnosis and research in SMA at the Hospital of Sant Pau of Barcelona, a reference Center for SMA diagnosis from all over Spain.









Dr. Giovanni Baranello, MD, PhD

is an Associate Professor in Paediatric Neurology/
Neuromuscular Disorders within the Developmental Neurosciences
Teaching and Research Department, at the Dubowitz Neuromuscular
Centre. He serves as honorary consultant in neuromuscular diseases at
the Great Ormond Street Hospital, London.He has been involved as
principal investigator in numerous neuromuscular clinical trials,
predominantly in the areas of SMA and DMD. His main area of research
relates to translational research in neuromuscular conditions,
development of outcome measures and biomarkers, natural history
studies and long-term studies in patients receiving novel treatments.



Prof. Richard S.Finkel, MD

is a pediatric neurologist and Chief, Division of Neurology at St. Jude Children's Research Hospital, Memphis, Tennessee, USA. His special interests include Neuromuscular Disorders, pediatric electromyography and metabolic disorders of the nervous system. His research interests are concerned with the development of outcome measures and with the design and execution of clinical trials in spinal muscular atrophy, Duchenne muscular dystrophy, Fabry and Pompe diseases.



Prof. Zaeem A. Siddiqi, M.D., Ph.D.

professor of Medicine/Neurology Alberta University Canada. He is an eminent figure in neuromuscular diseases with special interests in Neuromuscular junction disorders and neurophysiology. He established among others a comprehensive Myasthenia Gravis Program in 2003, the first Adult Neuromuscular Multidisciplinary Clinic for Muscular Dystrophy that Care to hundreds of MD patients from Alberta and neighboring provinces. As well as Autonomic Testing Laboratory. Dr Zaeem Received many clinical awards as well as teaching and mentorship ones. He has been involved as principal investigator in numerous neuromuscular clinical trials, predominantly in the areas of Neuromuscular junction disorders.







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Egyptian School of Neuromuscular Disorders
& Third International Conference of the
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(ESNPN)

11th-13th of September, 2022 Training and Development Center, Ain Shams University Hospital

Room 401









First Day

09:00-16:00

09:00 - 09:15	Introduction of the school and Welcome of Trainees and Professors. Prof. Nagia Fahmy, Professor of Neurology and Director, Neuromuscular Unit, Faculty of Medicine, Ain Shams University
09:15 - 10:00	Neuromuscular Sheet Prof. Nagia Fahmy, Ain Shams University.
10:00 - 10:30	Discussion of the panel and attendees.
10:30 - 12:00	Case presentations
12:00 - 12:30	Metabolic Myopathies in children. Dr. Maha Nada, Ain Shams University.
12:30 - 13:00	Coffee Break
13:30 - 16:00	Case presentations
16:00	Lunch









Second Day

09:00-16:00

09:00-12:00	Case Presentations
12:00 - 12:30	Congenital Myasthenia Dr. Ayman Nasef, Ain Shams University
12:30 - 13:00	Coffee Break
13:00 - 13:30	Muscles MRI as a diagnostic tool of Neuromuscular Disorders. Prof. Bjarne Udd, Tampere University
13:30 - 13:45	MRI muscles in the diagnosis of muscular Dystrophy, Ain Shams Experience. Dr. Sara Ihab, Ain Shams University.
13:45 - 16:00	Case presentations
16:00	Lunch









Third Day Neurophysiology workshop

09:00-16:00

09:00 - 09:30	Basics of nerve conduction. Dr. Ahmed Sadek, Ain Shams University
09:30 - 10:30	Hands on
10:30 - 11:00	Common errors & Pitfalls in NCS. How to avoid them? Prof. Zaeem Siddiqi, Alberta University, Canada
11:00 - 12:00	Hands on more advanced (late responses, RNS)
12:00 - 13:00	Coffee Break
13:00 - 13:30	Basics of EMG. Dr. Hossam Afifi, Ain Shams University
13:30 - 14:30	Hands on
14:30 - 15:00	Common abnormalities in needle EMG. Prof. Zaem Seddiqi, Alberta, University
15:00 - 16:00	Approach to wrist and foot drops. Tips &tricks. Prof. Zaeem Siddiqi, Alberta University, Canada
16:00	Lunch







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"Advances in Neuromuscular Disorders"

14th-16th of September, 2022 Intercontinental City Stars Hotel

Al Hambra Hall - Floor -2







08:00

REGISTRATION



Fourth Day Duchenne Symposium

09:00 - 10:00

Chairpersons:

Prof. Maha Saad, National Research Center. Prof. Nagia Fahmy, Ain Shams University. Dr. Nermin Salah, Ain Shams University.

09:00 – 09:15 Diagnostic Approach of Duchenne Muscular

Dystrophy.

Dr. Mahmoud Yousry, National Research Center

09:15 – 09:45 Updates of therapy of Duchenne Muscular

Dystrophy.

Prof. Nagia Fahmy, Ain Shams University.







09:45 – 10:00 Dystrophinopathy in Females.

Dr. Nermin Salah, Clinical Genetics, Ain Shams University









Fourth Day LGMD And ALS Session

<u>10:00-11:0</u>0

Chairpersons:

Prof. Osama Abdulghani, Ain Shams University

Prof. Magdy Aidarous, Zagazig University

Prof. Eman Elmarakby, Ain Shams University

Prof. Mohamed Hamdy, Ain Shams University

10:00 – 10:30 Diagnostic approach of muscular dystrophy.

Prof. Bjarne Udd, Tampere University

10:30 – 11:00 Diagnostic approach of Amyotrophic Lateral

Sclerosis.

Prof. Albert Ludolph, Ulm University.





Fourth Day 11:00-12:00 Spinal Muscular Atrophy Session



Chairpersons:

Prof. Marian Yosry, Cairo University Prof. Nagia Fahmy, Ain Shams University Prof. Eman Seif, Azhar University

11:00 - 11:30	Clinical approach of spinal muscular atrophy. Dr. Marian Yosry, Cairo University
11:30 - 11:45	Molecular Diagnosis of Spinal muscular Atrophy. Dr. Heba Hosny, National Institute of Neuromotor System
11:45 - 12:00	Emerging therapies of Spinal muscular Atrophy. Dr. Nagia Fahmy, Ain Shams University
12:00- 13:00	Coffee Break









Fourth Day 13:00 - 14:30 Multidisciplinary team session part 1



Chairpersons:

Prof. Hala Abd El-Hady, Ain Shams University Prof. Mona Rayan, Ain Shams University Dr. Aliaa Osman, Ain Shams University Dr. Nagwa Eldakhakhny, Ministry of Health

13:00 – 13:30 Rehabilitation of SMA: shifting paradigm in an

evolving era.

Dr. Hala Abdelhady, Physical Medicine,

Ain Shams University.

13:30- 14:00 Is there a place for the cardiologist in the

integrated care of patients with NMD?

Mahmoud shehta, Cardiology, Ain Shams University.

14:00 – 14:15 Early onset scoliosis evaluation and management.

Dr. Mohamed khattab, orthopedic surgery,

Ain Shams University

14:15- 14:30 Role of Clinical Pharmacy in the Era of genetic

Interventions.

Dr. Aliaa Osman, Clinical Pharmacy,

Ain Shams University









Fourth Day 14:30-16:00 Multidisciplinary team session part 2



Chairpersons:

Prof. Heba Elshehawy, Ain Shams University
Dr. Mai Houssain, National Institute of Neuromotor System
Dr. Ahmed Abd El-Lateef, Physical medicine, Ain Shams University
Prof. Mona Mohsen, Pediatric pulmonology, Cairo University.

14:30 - 15:00	Psychiatric Management of patients with NMD. Dr. Heba El-Shehawy, Ain Shams University.
15:00 - 15:30	orthopedic management of NMD patients. Dr. Ahmed Saeed , Orthopedic surgery, Ain Shams University
15:30 - 15:45	Pulmonary Rehabilitation as a crucial part of NMD. Dr. Reham Hazem, Pulmonology, Ain Shams University.
15:45 - 16:00	Nutritional Management of patients with NMD. Dr. Sara Alaa Osman, Clinical Nutrition, Ain Shams University.
17.15	Dinner









Session 1: 09:00 - 10:00Research of Neuromuscular Disorders

Chairpersons:

Prof. Fathy Afifi, Azhar University

Prof. Ahmed Gaber, Ain Shams University

Prof. Ibrahim Elmenshawy, Mansoura University

Prof. Amr Abdelmonem, Ain Shams University

Prof. Mahmoud Abdelseed, Azhar University

09:00 - 09:15	Assessment of diaphragmatic thickness in GBS and myasthenia gravis using ultrasonography. Dr. Aya Zahran, Mansoura University
09:15 - 09:30	Metabolic Myopathies. Dr. Mennat-Allah Magdy ElGamal, Ain Shams University.
09:30 - 09:45	Toxic and Endocrinal myopathies Dr. Ossama Yacoub, Cairo University
09:45 -10:00	Dystrophic and non-dystrophic myotonias Dr. Doaa Atef Mekkawy, Cairo University.









Opening Ceremony

10:00-11:00

Prof. Ossama Mansour, Acting Dean of Ainshams University

Prof. Maged Abd El-Naseer, Professor of Neurology, President, PAUNS

Prof. Ali Solaiman, President ESNPN

Prof. Hany Aref, Secretary General ESNPN

Prof. Maha Said,Chairman of Neuropsychiatry department, Ain Shams University.

Prof. Azza Abd Elnasser,
Director of Neurology Unit Ainshams University

Prof. Nagia Aly Fahmy,
Professor of Neurology, President of the conference









Plenary Session 1

11:00 - 12:00

Chairpersons:

Prof. Amira Zaki, Ain Shams University

Prof. Mahmoud Haroun, Ain Shams University

Prof. Hany Aref, Ain Shams University

Prof. Azza Abd Elnasser, Ain Shams University

11:00 - 11:30 Updates of Amyotrophic Lateral Sclerosis.

Prof. Albert Ludolph, Ulm University, Germany

11:30 – 12:00 Updates of myasthenia gravis.

Prof. Zaeem Siddiqi, Alberta University, Canada









Novartis SMA Symposium 12:00 - 13:00



Chairpersons:

Prof. Morad El-Alfy, International Medical Center and Military Hospitals. Dr. Hany Taher, Naser Institute Hospital

Moderator:

Prof. Nagia Fahmy, Ain Shams University

12:00 – 13:00 Transitioning from Reactive care to Proactive in

the management Of spinal muscular atrophy

Prof. Richard Fenickel, St. Jude Children's Research

Hospital, Memphis, Tennessee, USA

13:00 - 14:00 Coffee Break









Sanofi Pompe Symposium 14:CC - 15:CC

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Chairpersons:

Prof. Mona Raaft, Ain Shams University Prof. Hala Elkhawas, Ain Shams University Prof. Shoura Mostafa. Azhar University Prof. Hazem Maarouf, Alexandria University Dr. Houssam Salem, Military Hospitals.

14:00 – 15:00 Late Onset Pompe Disease.

Prof. Nagia Fahmy, Ain Shams University



Plenary session 2

15:00 - 16:00

Chairpersons:

Prof. Samia Ashour, Ain Shams University Prof. Taha Alloush, Ain Shams University Prof. Laila Elmosly, Azhar University Prof. Ahmed Hazzo, Ain Shams University

15:00 – 16:00 Updates on Atypical Neuropathies.

Dr. Amro Stino, Michigan University









Session 2: 16:00 - 17:00 Updates of Amyotrophic Lateral Sclerosis

Chairpersons:

Prof. Sameh Saeed, Alexandria University Prof. Abdelnasser Morad, Alexandria University Prof. Tamer Emara, Ain Shams University Prof. Sherin Elmosly, Fayoum University

16:00 - 16:15	Genetic aspects of Amyotrophic lateral Sclerosis in Egypt. Prof. Nabila Hamdi, GUC
16:15 - 16:30	Juvenile onset Amyotrophic lateral Sclerosis. Dr. Radwa Soliman, Ain Shams University
16:30 - 16:45	MicroRNA Signature of Egyptian Sporadic Amyotrophic Lateral Sclerosis Population. Dr. Mariem Barakat, GUC
16:45 - 17:00	Ataxin-2, a powerful modulator and therapeutic target in ALS, A German-Egyptian study. Dr. Omina Okab, GUC









Session 3: 17:00 – 18:30 Updates of Neuroimaging of Neuromuscular Disorders

Chairpersons:

18:30

Prof. Amal Elmotaim, Zagazig University Prof. Salma Hamed, Ain Shams University Prof. Sandra Ahmed, Cairo University Prof. Amira Elgohary, Cairo University

17:00 - 17:20	Ultrasound Role in CIPD diagnosis and follow up. Dr. Sandra Ahmed, Cairo University
17:20 - 17:40	Role of nerve ultrasound in diagnosis and management Cervical Root Pathologies. Dr. Ahmed Sadek, Ain Shams University
17:40 - 18:00	Muscle Scanning for botox injection Dr. Eman Moens, Ain Shams University
18:00 - 18:15	Role of Ultrasound in diagnosis of muscle diseases Dr. Mai Fathy, Ain Shams University
18:15 - 18:30	Ultrasound guided interventions in Neuromuscular Disorders. Dr. Khaled Abu Shoeira. Assiut University

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Dinner









Session 4: Updates of Neuropathies

10:00 - 11:00

Chairpersons:

Prof. Naglaa El-Khayat, Ain Shams Universit Prof. Yousry Aboelnaga, Ain Shams University

Prof. Tarek Rageh, Assiut University Prof. Amir Tork, Ain Shams University

10:00 - 10:15	Hereditary Neuropathies: A practical approach to diagnosis and symptoms management. Dr. Nourelhoda A. Haridy, Assiut University.
10:15 - 10:30	Molecular study of a cohort of patients with hereditary neuropathy. Dr. Amal Hasan, Ain Shams University
10:30- 10:45	Immune Mediated Neuropathies.
	Dr. Riham Mahfouz, Ain Shams University
10:45- 11:00	Anti MAG Neuropathies. Prof. Tarek Rageh, Assiut University









Session 5: Updates of Myopathies

11:00 - 12:00

Chairpersons:

Prof. Azza Ghaly, Tanta University

Prof. Nahed Salah, Ain Shams University

Prof. Mamoun sarhan, Zagazig University

11:00 - 11:15 Approach to CPK elevation.

Dr. Nahed Salah, Ain Shams University

11:15 – 11:30 Updates of Idiopathic Inflammatory Myoapthy.

Dr. Salma Ashraf, Ain Shams University.

11:30 – 11:45 Diagnostic Algorism of Inflammatory Myopathy,

Ain Shams Experience.

Dr. Yosra Fahmy, Ain Shams University

11:45 – 12:00 Cognition in Hereditary Myopathy: from Muscle

to Brain.

Dr. Abeer Eltouny, Aswan University.

12:00 – 13:00 Friday Pray and Coffee Break









Biologix SMA Symposium 13:00 - 14:00



Moderators:

Prof. Ahmed Raouf, Police Hospital Prof. Marian Yousry, Cairo University

13:00 - 13:30 Expected treatment outcomes on patient treated

with Nusinersen: Lessons from real world

evidence

Prof. Eduardo Tizzano, Hospital Valle Hebron,

Barcelona, Spain

13:30 – 14:00 Egypt landscape in SMA treatment:

Nusinersen in focus

Prof. Nagia Fahmy, Ain Shams University.









Roche SMA Symposium 14:00 - 15:00



Chairpersons:

Prof. Marian Yosry, Cairo University Dr. Hany Taher, Naser Institute Hospital

Moderator:

Prof. Maha Zaki, National Research Center.

14:00 – 15:00 Risdiplam from Clinical data to Real life practice.

Prof. Giovanni Baranello, University College London



Plenary session 3:

15:00 - 16:00

Chairpersons:

Prof. Ahmed Othman, Egypt-Japan University of Science & Technology Prof. khaled Sallam, Benha University Prof Salma Hamed, Ain Shams University Prof. Dina Abdelgawad, Ainshams University

15:00 – 15:30 Next generation sequencing in the diagnosis of

Neuromuscular Disorders.

Prof. Mohamed Abd El-Hameed,
National Research Center

15:30 – 16:00 Updates of Therapy of Neuromuscular Disorders.

Prof. Ahmed Othman, Egypt-Japan University of Science & Technology









Session 6: 16:OO - 17:OO Updates of Neurophysiology of Neuromuscular Disorders 1

Chairpersons:

Prof. Ann Abdelkader, Cairo University
Prof. Saly El-Kholy, Cairo University
Prof. Naglaa El-Khayat, Ain Shams Universit
Prof. Sawsan Abd El-Azeez, Zagazig University

16:00 - 16:15	Approach to floppy infant Dr. Ann Abdelkader, Cairo University
16:15 - 16:30	Neurophysiology of Myasthenic Disorders. Prof. Saly El-Kholy, Cairo University
16:30 - 16:45	Sleep and Neuromuscular Disorders. Prof. Naglaa El-Khayat, Ain Shams University
16:45 - 17:00	Challenges in using electrodiagnostic measures to predict outcome in peripheral nerve injury. Dr. Sawsan Abd El-Azeez, Zagazig University









Session 7: 17:00 - 18:30 Updates of Neurophysiology of Neuromuscular Disorders 2

Chairpersons:

Prof. Amal Fouad, Ain Shams University Prof. Aytallh Farouk, Cairo University Prof. Ramez Reda, Cairo University Prof. Hala Elhabashy, Cairo University

17:00 – 17:30 Advanced electrophysiological evaluation of

inflammatory myopathies.

Dr. Aytallh farouk, Cairo University

17:30 – 18:00 Motor Unit Number Estimation In SMA children

treated with Nusinersen.

Prof. Hala Elhabashy, Cairo University

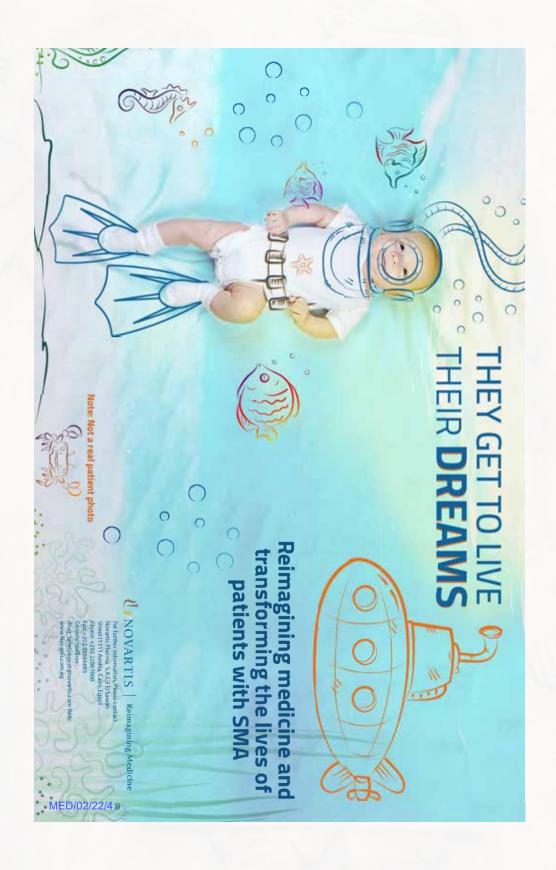
18:00 – 18:30 Value of clinical neurophysiology in sports

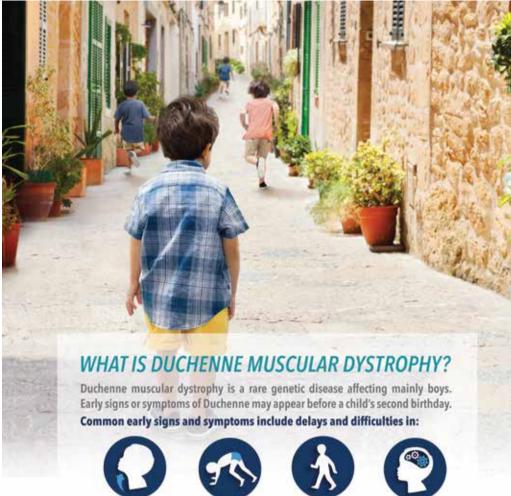
injuries.

Prof. Mye Ali Basheer, Cairo University

18:30 – 18:45 Closing Ceremony

19:00 Dinner







Head control, sitting and crawling



Rising or getting up from the floor



Walking, running or climbing



Speech

EARLY DIAGNOSIS can help give these boys access to the care they deserve.

Teams of doctors and other professionals work together to help ensure boys with Duchenne receive the best possible care aiming to optimise their quality of life.





Organized by



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