

# 第65回日本小児神経学会学術集会

The 65th Annual Meeting of the Japanese Society of Child Neurology

## ランチョンセミナー5

日時

2023年5月25日(木) 12:30~13:20

会場

第6会場「岡山コンベンションセンター 4階 405」

〒700-0024 岡山県岡山市北区駅元町14番1号

開催形式

現地開催のみ

演題

同時通訳あり

## Early diagnosis and care of young individuals with Duchenne muscular dystrophy: Challenges in patient management

座長

小牧 宏文 先生

国立研究開発法人国立精神・神経医療研究センター  
トランスレーショナル・メディカルセンター

演者

Craig Zaidman, MD

Department of Neurology,

Washington University School of Medicine, St. Louis, MO, USA

本セミナーは学術集会ホームページより事前参加登録が必要です。

現地にてお弁当をご希望の方は、ランチョン整理券の事前予約をお願いいたします。

詳細は学術集会ホームページをご参照ください。

<https://jscn65.org/>

共催：第65回日本小児神経学会学術集会/中外製薬株式会社



# Early diagnosis and care of young individuals with Duchenne muscular dystrophy: Challenges in patient management



**Craig Zaidman, MD**

Department of Neurology, Washington University School of Medicine, St. Louis, MO, USA

## Abstract

Duchenne muscular dystrophy (DMD) is a rare, fatal neuromuscular genetic disease that occurs in approximately one in every 3,500-5,000 newborn males worldwide.

DMD is caused by mutations in the dystrophin gene on the X chromosome. Loss of dystrophin leads to susceptibility to repeated cycles of necrosis and regeneration as well as diminished regenerative muscle capacity, resulting in fat and connective tissue replacement (fibrosis).

Symptoms of DMD usually appear in early childhood, between age 2 and 3 years, but diagnosis is often delayed by 2 or 3 years. The progression of muscle pathology leads to the continuous progression of muscle weakness, resulting in the loss of ambulation between age 9 and 14 years, followed by respiratory failure and cardiac dysfunction.

This seminar will explore the underlying and undetermined pathophysiology of early muscle damage, the impact of early diagnosis, standard assessment methods, multidisciplinary management and future perspective in DMD.

## Biography

Dr. Zaidman earned his medical degree from the University of Virginia and is in practice for more than 15 years. His postgraduate training includes a pediatrics residency at Brown University, Providence, Rhode Island and at the Washington University in St. Louis, Missouri where he also performed a fellowship in clinical neurophysiology. Dr. Zaidman is board certified in Child Neurology, Neurology, Neuromuscular Medicine, and Clinical Neurophysiology and has a Master of Science in Clinical Investigation. In 2019 he became director of the Pediatric Muscular Dystrophy clinic as well as director of the pediatric neuromuscular research unit at Washington University in St Louis School of Medicine.

Currently he is the principal investigator in over 20 clinical trials in pediatric neuromuscular disease including novel therapeutics in DMD, is author of more than 50 publications, is an instructor in neuromuscular ultrasound, and is a speaker at major congresses.

## Education

2001; Doctor of Medicine, University of Virginia, Charlottesville, VA

2011; Master of Science in Clinical Investigation, Washington University School of Medicine, St. Louis, MO

## Postgraduate Training

2001-2003; Residency in Pediatrics

2003-2004; Residency in Neurology

Brown University, Providence, RI

2005-2007; Residency in Child Neurology

2007-2008; Fellowship in Clinical Neurophysiology

Washington University School of Medicine,

St. Louis, MO

## Academic Positions

2008-2010: Instructor of Neurology

2010-2015: Assistant Professor of Neurology

2015-2021; Associate Professor of Neurology

2021-Present; Professor of Neurology

Washington University School of Medicine,

St. Louis, MO