

Dr. Lawrence S. Feldman, Board Member

**SUBJECT: REQUEST APPROVAL OF RESOLUTION NO. 16-048 OF THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA, RECOGNIZING MAY 2016 AS OSTEOGENESIS IMPERFECTA MONTH**

**COMMITTEE: INNOVATION, GOVERNMENTAL RELATIONS, AND COMMUNITY ENGAGEMENT**

**LINK TO STRATEGIC BLUEPRINT: SAFE, HEALTHY AND SUPPORTIVE LEARNING ENVIRONMENT**

Osteogenesis Imperfecta (OI) or brittle bone disease is a complicated disorder that causes weak bones that break easily. OI is caused by a mutation in a gene that affects bone formation, bone strength and the structure of other tissues. This disorder arises from mutations in the two genes that make type I collagen, a protein important to bones and skin. These mutations cause the body to make either too little or poor-quality type I collagen. It is estimated that approximately 25,000 to 50,000 people in the U.S. have OI and it occurs equally among males and females and in all racial groups. There are four major types of OI ranging in severity and treatment can include physiotherapy, orthotic support, biphosphonates, growth hormone, bone marrow transplantation, extendable rods, and bracing.

Ongoing research and work with young patients who have OI is promising. Researchers hope to learn more about the genetics of the disease and the natural history of the many secondary features involved, as well as rehabilitation techniques. Research is also ongoing in animal models and human clinical trials into the use of bisphosphonates, typically used to treat osteoporosis. With good medical management and supportive care, the majority of people who have OI will lead healthy and productive lives.

**ACTION PROPOSED BY**

**DR. LAWRENCE S. FELDMAN:**

That The School Board of Miami-Dade County, Florida, approve Resolution No. 16-048 of The School Board of Miami-Dade County, Florida recognizing May 2016 as Osteogenesis Imperfecta Month.

**Replacement  
B-9**

**RESOLUTION NO. 16-048  
OF THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA,  
RECOGNIZING MAY 2016 AS OSTEOGENESIS IMPERFECTA MONTH**

**WHEREAS**, Osteogenesis Imperfecta (OI) or brittle bone disease is a complicated disorder that causes weak bones that break easily. OI is caused by a mutation in a gene that affects bone formation, bone strength and the structure of other tissues; and

**WHEREAS**, this disorder arises from mutations in the two genes that make type I collagen, a protein important to bones and skin. These mutations cause the body to make either too little or poor-quality type I collagen; and

**WHEREAS**, it is estimated that approximately 25,000 to 50,000 people in the U.S. have OI and it occurs equally among males and females and in all racial groups; and

**WHEREAS**, ongoing research and work with young patients who have OI is promising. Researchers hope to learn more about the genetics of the disease and the natural history of the many secondary features involved, as well as rehabilitation techniques; and

**WHEREAS**, with good medical management and supportive care, the majority of people who have OI will lead healthy, productive lives and can expect an average life span.

**NOW, THEREFORE, BE IT RESOLVED THAT:**

The School Board of Miami-Dade County, Florida, approve Resolution No. 16-048 of The School Board of Miami-Dade County, Florida recognizing May 2016 as Osteogenesis Imperfecta Month.

A copy of this resolution is placed in the permanent records of this Board.

**Presented on this eleventh day of May, A.D. 2016**

THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA

\_\_\_\_\_  
CHAIR

ATTEST:

\_\_\_\_\_  
Secretary