

## *Muscular Dystrophy Pedigree Chart Answers*

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**Muscular Dystrophy Pedigree Chart Answers**

A. Duchenne muscular dystrophy is a deadly disorder in which the muscles grow progressively weaker. The disease is caused by a recessive gene on the X chromosome. The pedigree chart below illustrates the inheritance of this gene. Use the chart to answer the questions that follow. Normal female Norma] Carrier female Female With Male with 1.

**www.isd2135.k12.mn.us**

Muscular Dystrophy Pedigree Chart Background Information Pedigree charts are very important to many different fields of science. One reason they are important is because, they help scientists understand the genetic patterns of diseases. It is important to be able to interpret pedigree charts in order to learn the pattern of a disease or condition.

**Muscular Dystrophy Pedigree Chart - LPS**

A. Duchenne' s muscular dystrophy is a deadly disorder in which the muscles grow progressively weaker. The disease is caused by a recessive gene carried on the X chromosome. The pedigree chart below illustrates the inheritance of this gene. Use the chart to answer the questions that follow. Key: Normal female Normal male Carrier female Female with

**www.npenn.org**

The only disorder that cannot be represented using pedigree chart is sickle cell anemia. this because hemophilia, red-green color blindness, and duchenne muscular dystrophy are all X-linked traits. on the other hand sickle cell anemia is an autosomal recessive condition which cannot be represented in the pedigree chart since only sex linked traits are found this chart.

**The pedigree chart could represent all of the following ...**

Pedigree Charts Worksheet(s) ... A. Identify the following pedigree charts as autosomal, X-linked, recessive, and dominant. Please explain your answer. 1. Is the following autosomal or X-linked? Is it dominant or recessive? Please explain. ... Name the types of muscular dystrophy this pedigree chart could

**Pedigree Charts Worksheet(s)**

Genetics Challenge. Search this site. Home. 1. DNA. 2. Pedigree 1. 3. Karyotype. 4. Punnett Square. 5. Pedigree 2. Sitemap. 4. Punnett Square. Duchenne muscular dystrophy is the most common form of muscular dystrophy. It occurs more frequently in boys than in girls. The symptoms of muscle weakness begin between 3 and 5 years of age with a rapid ...

**4. Punnett Square - Genetics Challenge - Google Sites**

Pedigree #2: Duchenne Muscular Dystrophy. MuscularDystrophy-300x210.png. Muscular dystrophy is an inherited disorder that involves muscle weakness and loss of muscle tissue, which gets worse over time. Duchenne muscular dystrophy is caused by a defective gene for dystrophin, a protein in muscles.

**Question: Pedigree #2: Duchenne Muscular Dystrophy ...**

Inherited disorders: Duchenne muscular dystrophy If you're behind a web filter, please make sure that the domains \*.kastatic.org and \*.kasandbox.org are unblocked.

**Inherited disorders: Duchenne muscular dystrophy (practice ...**

A. Duchenne muscular dystrophy is a deadly disorder in which the muscles grow progressively weaker. The disease is caused by a recessive gene on the X chromosome. The pedigree chart below illustrates the inheritance of this gene. Use the chart to answer the questions that follow. C D ©Key: [3 @ Normal female. Normalmale Carrier female Female ...

**PEDIGREE WORKSHEET - Katy ISD**

Biology - Pedigrees & Disorders. Chapter three test on Pedigrees and genetic disorders. STUDY. PLAY. ... How do you know if a recessive pedigree is sex linked? More males than females affected;

Female carriers pass trait on to male sons ... Duchenne Muscular Dystrophy. What is Color Blindness. Unable to see certain colors.

### **Biology - Pedigrees & Disorders Flashcards | Quizlet**

Stephan also had muscular dystrophy. Larry's brother Barry also had muscular dystrophy but neither of their parents had the disorder although his mother was a carrier. Draw a pedigree: • Is Veronica or Chad a carrier? Defend your answer using examples from the pedigree. • Autosomal or X-linked? Defend your answer using examples from the ...

### **Pedigree Charts - Ms. Hart's Science Page**

called Duchenne Muscular Dystrophy (DMD), a devastating form of muscular dystrophy that is usually fatal ... Reading notes: • Explain what a pedigree chart is. Note which symbols are used to represent different people on the chart. ... Answers: Problems: 1. Yes — but not, as some students think, because the allele can be passed on by ...

### **Notes - WOU Homepage**

Gene symbols normally are not included in pedigree charts, but genotypes are inserted here for reference. ... In pedigree analysis, ... Duchenne muscular dystrophy is a fatal X-linked recessive disease. The phenotype is a wasting and atrophy of muscles. Generally the onset is before the age of 6, with confinement to a wheelchair by 12 and death ...

### **Human Pedigree Analysis - Modern Genetic Analysis - NCBI ...**

In this pedigree, only males have the disorder, but some of the females are heterozygotic carriers who can pass down the trait even though they do not show it themselves. Colorblindness, hemophilia, and Duchenne muscular dystrophy are all sex-linked disorders. Related Biology Terms. Allele – a form of a gene. For example, in pea plants, B ...

### **Pedigree - Definition, Function and Examples | Biology ...**

Pathophysiology: Module 1 Quiz study guide by mirandasross includes 20 questions covering vocabulary, terms and more. Quizlet flashcards, activities and games help you improve your grades.

### **Pathophysiology: Module 1 Quiz Flashcards | Quizlet**

• On a pedigree, the proband is denoted by an arrow ; Case Study : The C's present to the MFA Ob-Gyn Clinic to discuss pre-conception genetic counseling. Mr. C is a 32 yr old with no significant family history of genetic disorders in his family. His wife, Dr. C, is a 27yr old with a 17 yr old brother with Duchenne Muscular Dystrophy.

### **Educational Information - Genetics | GWUMC**

Constructing and using a Pedigree Duchenne's muscular dystrophy (DMD) is a well known, lethal condition. severe recessive X-linked form of muscular dystrophy characterized by rapid progression of muscle degeneration, eventually leading to loss of ambulation and death. This affliction affects one in 3500 males, making it the most

### **Constructing and using a Pedigree - The Lesson Locker**

3. If a man with muscular dystrophy marries a woman with muscular dystrophy what Genotypes and Phenotypes can occur in their children? What percentage of their boys will be expected to have muscular dystrophy? \_\_\_\_ 4. Examine the following pedigree chart for color vision and indicate the Genotypes and Phenotypes for each of the numbered ...

### **Mrs. Davisson Name Chapter 11: Genetics Per. Row Part I ...**

Doctor answers on Symptoms, Diagnosis, Treatment, and More: Dr. Velez on duchenne muscular dystrophy interesting facts: The two conditions differ in their severity, age of onset, and rate of progression. Mutations in the dmd gene cause duchenne and becker forms of muscular dystrophy (dmd and bmd, respectively). Mutations that lead to an abnormal version of dystrophin that retains

some function ...

**Duchenne muscular dystrophy interesting facts - Things You ...**

Pedigree #2: Duchenne Muscular Dystrophy. MuscularDystrophy-300x210.png. Muscular dystrophy is an inherited disorder that involves muscle weakness and loss of muscle tissue, which gets worse over time.

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