

## Duchenne Muscular Dystrophy

Absence of dystrophin—a protein that helps keep muscles intact



Progression of Duchenne eventually affects ALL voluntary muscle, including the heart and breathing muscles. Survival is rare beyond middle 20s.

### SIGNS OF DUCHENNE

- Toe walking
- Frequent falls
- Enlarged calf
- Difficulty hopping, jumping, climbing
- Confined to wheelchair by age 12

6 Friday  
January  
2012

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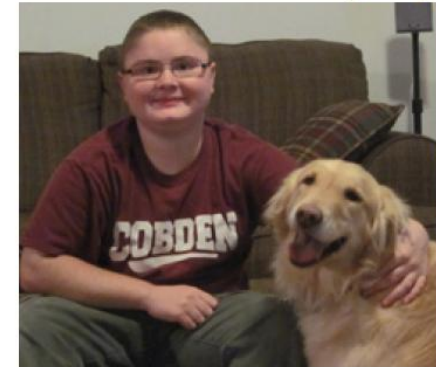
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15 Sunday  
January  
2012

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- Toe walking
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- Enlarged calf muscles
- Difficulty hopping, running, jumping, climbing stairs
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24 Tuesday  
January  
2012

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