Fast Facts

Osteogenesis Imperfecta (Brittle Bone Disease)

-Means "imperfectly formed bone" -Rare disease

-A genetic defect (either inherited or a spontaneous mutation of a particular gene) -This gene tells the body how much of a specific protein, type I collagen, to make -When it doesn't do this, the body doesn't produce enough, or any, of type I collagen

-Type I collagen is a major element in the connective tissue of bones

-Causes bones to be weak, which means they break easily, often without any traumatic injury -The bones do heal, but at a normal rate

-Type I collagen also helps to form ligaments, teeth and sclera (white tissue of the eyeball) -Eight types, but only four main types

Symptoms	Treatment	Prevention
Depend on the type and	No cure	No to way to prevent
severity		disease, but try to prevent
	Non-surgical:	breaks
-Weak muscles	-Medications (bisphosphonates)	
-Malformed bones	-Immobilizing broken areas	-Exercise (especially
-Loose joints	-Exercise (strengthen the muscles	weight-bearing)
-Brittle teeth	to maintain mobility)	-Eat a healthy, balanced
-Bowed legs		diet
-Curved spine	Surgical:	-Take a calcium
-Short stature	-Needed if has repeated breaks of	supplement (if your doctor
-Hearing loss	the same bone, the breaks don't	recommends it)
-Blue/purple/gray sclera	heal properly or have a deformity	-Avoid things that will
-Triangular face	-Placing rods (fixed or telescoping)	decrease bone density
-Problems breathing	in the arms, legs and/or back	(smoking, drinking or
	-Spinal fusion (severe scoliosis)	taking steroids)

Tips for Parents:

Two key things to remember:

1) It's okay to touch or hold your child, just be careful

 No matter how careful you are, your child will break bones, so don't feel guilty
Never lift your child by holding them under the armpits or lifting their legs by the ankles to change their diapers

-Don't pull on their arms or legs while dressing them (gently move each one of their limbs) -When picking them up, spread your fingers apart and place one hand between their legs and under their bottom and put the other hand behind their shoulders, neck and head

-Choose a car seat that reclines and will allow you to easily place your child in and take them out (place extra padding beneath them and between them and the harness)

-Stroller should provide them with adequate padding and be able to accommodate casts -Due to the increased awareness surrounding child abuse, it's a good idea to have a letter from your child's doctor explaining what OI is and a copy of their medical records readily available ©2019 Demystifying Your Health. All rights reserved.

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