

# Ewing Sarcoma

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## Introduction

Ewing sarcoma is a rare type of cancer that is most common in children and teenagers. It would most likely be found in the Tibia, Humerus or the Femur. Ewing sarcoma can metastasize to other parts of the body and affect organs like the lungs. About 1.7 out of 1 million children are affected by Ewing sarcoma. Currently the cause of the Ewing sarcoma is not known. Pain and swelling are symptoms of the disease.

## Background Information

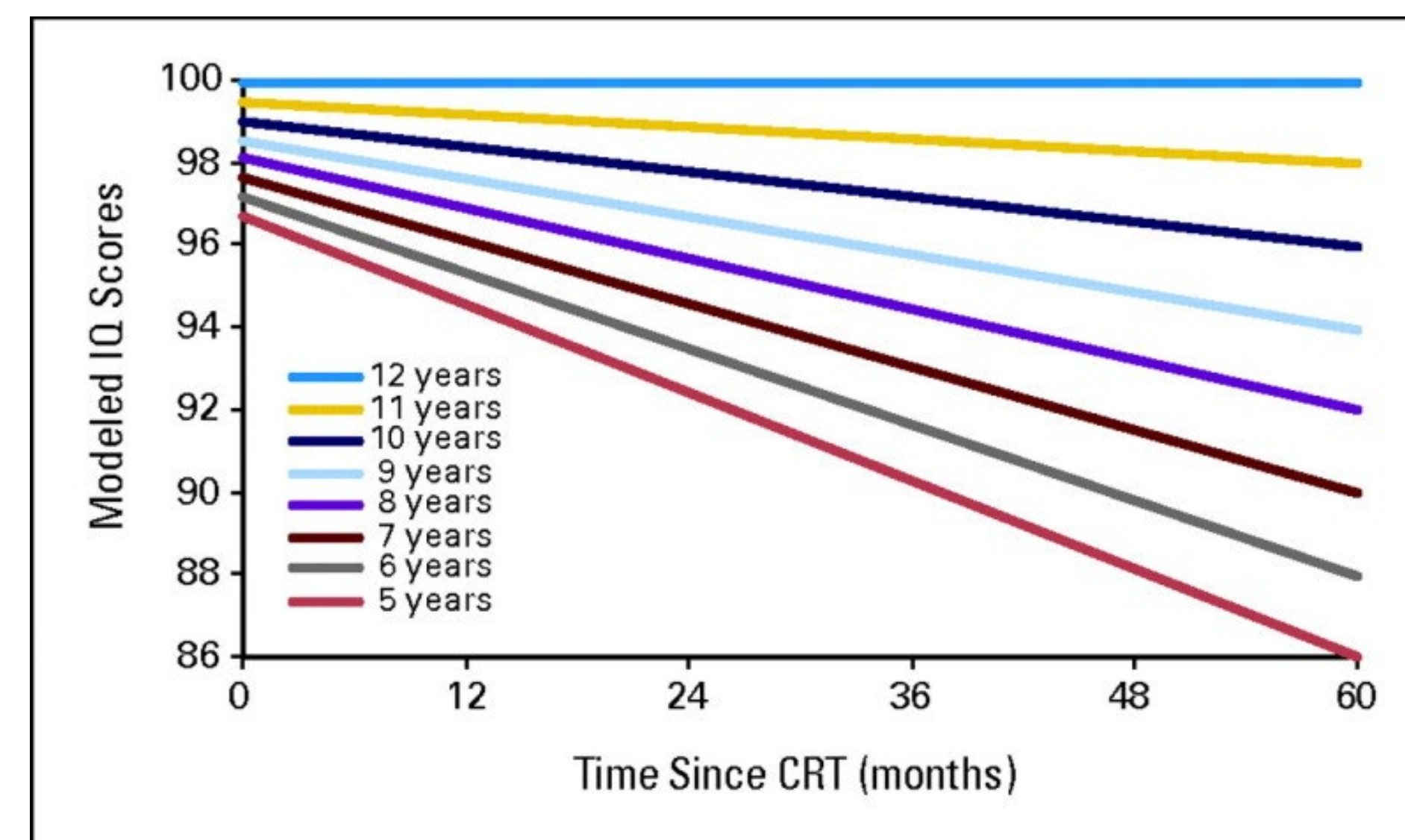
Ewing sarcoma is a rare type of cancer that commonly forms in the cells of the bones of children and young adults. Not only can Ewing sarcoma form in the cells of the bones it can metastasize to other parts of the body. The cause of the disease is currently unknown. About 1.7 out of 1 million children are affected by Ewing sarcoma. Ewing sarcoma commonly develops during puberty when the bones are growing more rapidly.

## Dicoveries and Innovations

The three main treatments for Ewing sarcoma are surgery, chemotherapy or radiation therapy. One treatment option is surgery and that is when they go in and remove the tumor or cancer that you have in your body. If they were to remove a piece of the bone they would do reconstruction on it and they also use a bone graft. There are different symptoms of Ewing sarcoma such as pain, swelling or tenderness around the affected area, bone pain and or unexplained tiredness.

Ewing sarcoma can occur at any time during childhood. it commonly develops during puberty when the bones are growing more rapidly. Ewing sarcoma affects males more than females. Ewing sarcoma is an aggressive type of bone cancer that can metastasize to the lungs, other bones and the bone marrow which can cause life threatening complications in life if not treated correctly.

## Data/graph



## Conclusion

Ewing sarcoma is a very aggressive bone cancer that forms in the cells of bones in a human's body and occurs anytime during childhood when the bones are growing more rapidly. Ewing sarcoma can also metastasize to other parts of the body. There are three main treatment options such as chemotherapy, radiation therapy and surgery. With surgery being a treatment option that is when they go in and remove the tumor or cancer that you have in your body. if they were to remove a piece of the bone they would do reconstruction on it and use bone grafts.

## Addressing the Disparity

Children and young adults are most likely to get an aggressive bone cancer called Ewing sarcoma. Ewing sarcoma is a cancer that forms in the cells of the bones and occurs any time during childhood. Ewing sarcoma commonly occurs during puberty when the bones are growing rapidly. Ewing sarcoma affects males more than women. There are treatment options such as Chemotherapy, radiation therapy and or surgery.

## References

- CDC.org
- Memorial Sloan Kettering Cancer Center
- Susan G. Komen for the Cure
- SEER Cancer Statistics Review, 1975-2015, 2018