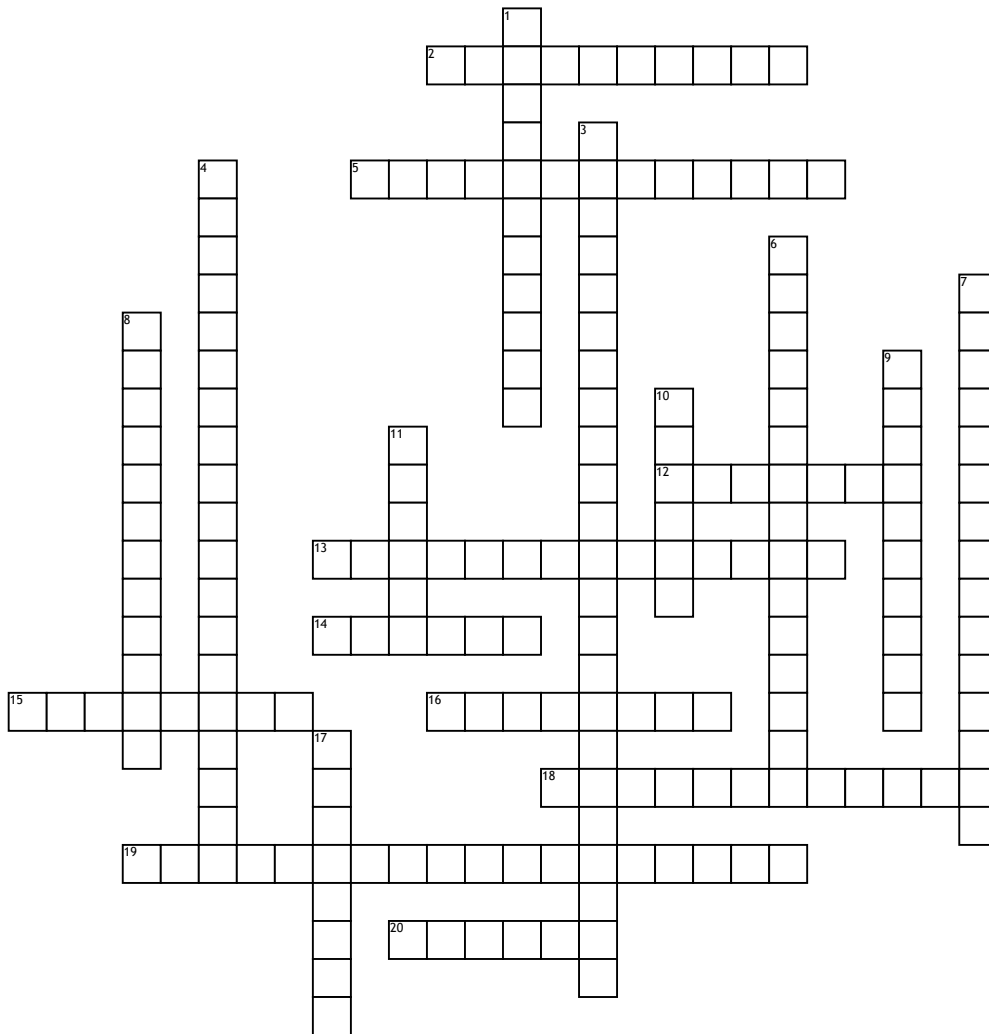


# Musculoskeletal disorders: Bone tumors



## Across

2. Test which utilizes a small sample of the patient's bone to check for cancer and other bone disorders  
 5. a single tumor that grows in the spine and long bones, mostly in young adults  
 12. Primary cancer of the plasma cells in the bone marrow  
 13. common in adolescents and usually occurs in the shaft of long bones  
 14. these tumors are more common than tumors caused by cancer  
 15. a tumor that originates from a single cell and undergoes multiple duplications  
 16. Limping, swelling around a bone, night sweats, and fever

18. most common primary neoplasm of bone

19. used as a form of treatment if excision is not feasible  
 20. metastasize to lungs early in the course of the disease

## Down

1. usually appears in bones of the hands and feet. It often has no symptoms. It is the most common type of hand tumor  
 3. common tool doctors use to diagnose bone tumors  
 4. term for when the cancer started somewhere else in the body and then spread to the bone

6. The most common type of secondary bone cancer

7. arise from cartilage cells; more common in adults  
 8. used as a form of treatment to reduce metastasis  
 9. Cancer cells that have spread to one or more sites elsewhere in the body, often by way of the lymph system or bloodstream  
 10. metastasize to lungs early in the course of the disease  
 11. term used by physicians to describe any physical abnormality- may refer to a tumor, a tumor-like condition, or a finding which is not yet diagnosed  
 17. Most of these primary tumors are malignant

## Word Bank

- |                       |               |                  |                           |
|-----------------------|---------------|------------------|---------------------------|
| tumors                | Metastases    | multiple myeloma | Surgical amputation       |
| secondary bone cancer | sarcomas      | Chemotherapy     | Enchondroma               |
| Osteosarcoma          | Benign        | Neoplasm         | Bone Biopsy               |
| Ewing's sarcoma       | Tumors        | Myeloma          | Chondrosarcomas           |
| Symptoms              | Osteoblastoma | Lesion           | alkaline phosphatase test |