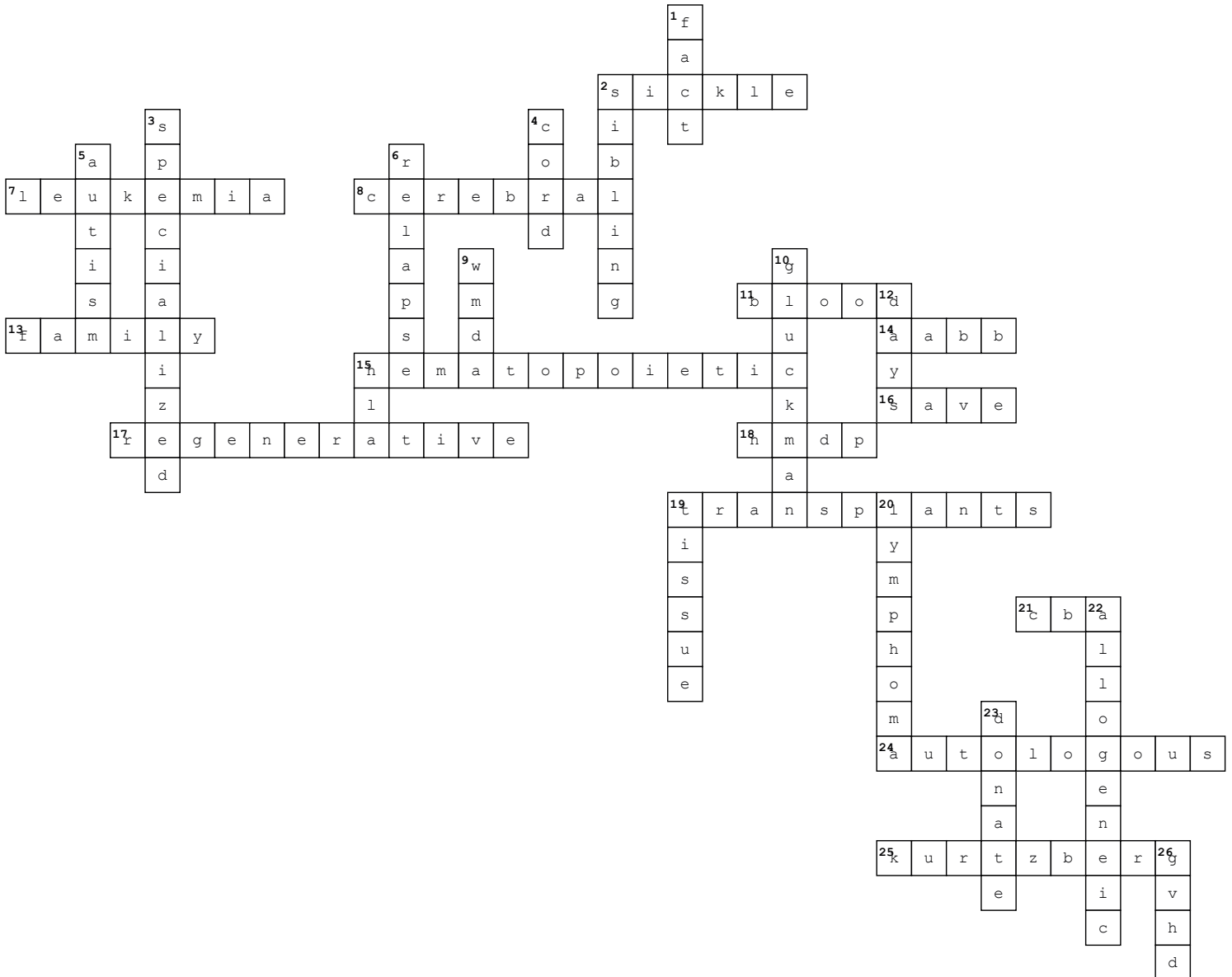


# World Cord Blood Day 2020 - Learn about cord blood stem cells!



## Across

2. Cord blood is currently used to treat \_\_\_\_\_ cell anemia.
7. Based on research from Fred Hutchinson Cancer Research Center, umbilical cord blood transplant is linked to a lower relapse in high-risk \_\_\_\_\_ patients.
8. On the World Cord Blood Day website, there is an story of a young boy, named Luke, who participated in a clinical trial at Duke University using his own cord blood (family banked) to treat \_\_\_\_\_ palsy.
11. Cord \_\_\_\_\_ is the blood that remains in the placenta and umbilical cord following the birth of

## Down

1. A WCBD Inspiring Partner, this non-profit group establishes standards for high quality medical and laboratory practice in cellular therapy and is a leader in peer-review accreditation.
2. Dr. Jonathan Gutman recently published a study which suggested that in patients able to tolerate more intensive conditioning regimens at high risk for relapse, cord blood stem cell transplantation may be preferred to matched \_\_\_\_\_ bone marrow donors.
3. The Official Sponsor of World Cord Blood Day is Quick \_\_\_\_\_ Healthcare Logistics.
4. The purpose of World \_\_\_\_\_ Blood Day is to

- a child. It can be donated or stored privately.
13. If you are pregnant and want to save your child's cord blood for potential use by your child or a family member, you should contact a \_\_\_\_\_ cord blood bank to arrange private storage.
  14. An Inspiring Partner of World Cord Blood Day, this non-profit group is the premier standards setting organization in the cord blood industry and offers voluntary cord blood bank accreditation to demonstrate a bank's commitment to quality.
  15. Blood-producing stem cells are called \_\_\_\_\_ stem cells and are present in cord blood.
  16. This non-profit group, \_\_\_\_\_ the Cord Foundation, is the host and organizer of World Cord Blood Day.
  17. Currently, landmark trials are underway in \_\_\_\_\_ medicine that are investigating treatments for diseases like juvenile diabetes and cerebral palsy using autologous transplants, or one's own cord blood stem cells.
  18. An Inspiring Partner of World Cord Blood Day, the \_\_\_\_\_ / Be The Match manages the world's largest registry of potential marrow donors and cord blood units, connects patients to their donor match, delivers education and conducts research.
  19. Today, cord blood stem cells are used in \_\_\_\_\_ to treat and cure more than 80 life-threatening illnesses, including many cancers, immune deficiencies, and genetic disorders.
  21. STEM CELLS Translational Medicine is this association's official scientific journal. They are also an Inspiring Partner of World Cord Blood Day.
  24. When a patient's own stem cells are used, this is considered an \_\_\_\_\_ stem cell transplant.
  25. Dr. Joanne \_\_\_\_\_ is leading exciting research using cord blood to potentially treat autism, cerebral palsy, stroke and more.
- educate parents, students and healthcare professionals about cord blood stem cells and the life-saving benefits of saving this vital medical resource.
5. A recent Phase II study at Duke, led by Dr. Joanne Kurtzberg, using cord blood to potentially treat \_\_\_\_\_ showed that children in the study who did not have an intellectual disability showed improvements in language communication, ability to sustain attention measured via eye tracking, and increased alpha and beta EEG power.
  6. Recent studies have shown that there is less risk of a \_\_\_\_\_ for certain diseases if cord blood is used for transplant instead of bone marrow.
  9. An Inspiring Partner of World Cord Blood Day, this group is a founding member of the Worldwide Network for Blood and Marrow Transplantation (WBMT) which aims to promote excellence in stem cell transplantation, donation, and cellular therapy.
  10. In 1988, Dr. Eliane \_\_\_\_\_ performed the world's first ever cord blood transplant treating a young boy fighting Fanconi Anemia with his sister's cord blood.
  12. Logistically, cord blood can be shipped easily and made available in \_\_\_\_\_. This has become particularly important during the COVID19 crisis.
  15. These are proteins found on most cells in your body and are used to match patients and donors for bone marrow and/or cord blood transplants.
  19. Once the birthing process is complete, cord blood and cord \_\_\_\_\_ can be collected and stored for future use.
  20. On the World Cord Blood Day website is the story of Diane who was 24 when she was diagnosed with Hodgkin \_\_\_\_\_. Facing the 5th recurrence of the disease, a cord blood transplant saved her life.
  22. When stem cells are collected from a matching donor and transplanted, this is referred to as an \_\_\_\_\_ transplant.
  23. If you are pregnant and want to \_\_\_\_\_ your child's cord blood, it is recommended that you speak with your doctor about donation prior to your 28th week to know if this is possible and make arrangements.
  26. Research has shown that in stem cell transplants where only one cord blood unit is used there is significantly less risk of \_\_\_\_\_ for patients versus those undergoing a bone marrow transplant.