



PEDIATRIC CANCER

APPLYING KNOWLEDGE OF GROWTH AND DEVELOPMENT TO CHILD LIFE PRACTICE

CARINA BERGOUIGNAN

CHILD & ADOLESCENT GROWTH & DEVELOPMENT

PROFESSOR FIETEN

HSDD 5520

MARCH 26, 2018



WHAT IS CANCER?

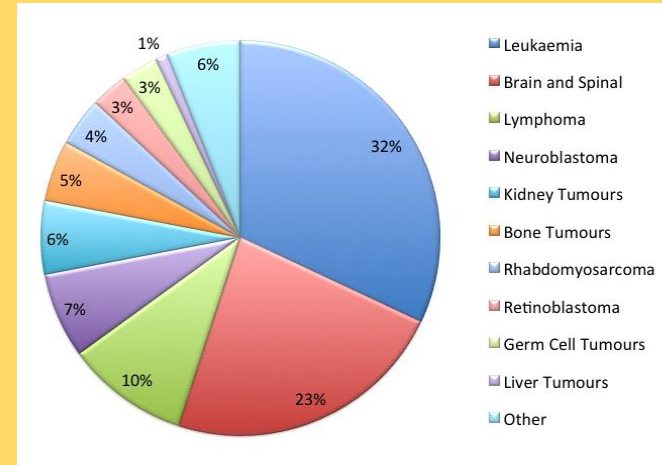
- ❑ CANCER IS DEFINED AS "THE DISEASE CAUSED BY AN UNCONTROLLED DIVISION OF ABNORMAL CELLS IN A PART OF THE BODY."
- ❑ CHILDREN CAN INHERIT DNA CHANGES GENETICALLY ALSO KNOWN AS MUTATIONS
- ❑ THESE UNCONTROLLABLE CELLS CAN LEAD TO UNCONTROLLABLE GROWTHS THAT WE CAN CALL A MASS OR TUMOR
- ❑ TUMORS CAN BE BENIGN OR MALIGNANT
- ❑ BENIGN MEANS THE TUMOR IS NOT CANCEROUS AND CAN GROW IN SIZE BUT IT WILL NOT SPREAD
- ❑ WHEN A TUMOR IS MALIGNANT MEANS IT IS CANCEROUS AND CAN SPREAD THROUGHOUT THE BODY DEPENDING ON THE TYPE OF CANCER
- ❑ IN CHILDREN CANCER IS NOT CAUSED BY ENVIRONMENTAL CHANGES OR TOXINS



TYPES OF CANCER SEEN MOSTLY IN CHILDREN

“CHILDHOOD CANCER IS AN INCREASING AND PREVALENT TYPE OF CHRONIC DISEASE WORLDWIDE. LEUKEMIA IS ONE OF THE MOST COMMON CANCERS IN CHILDREN UNDER 15 YEARS OF AGE AND REPRESENTS 25% OF ALL CANCERS IN CHILDREN. ” (MAHMOUD, & ELAZIZ, 2015 P.13)

- LEUKEMIA.
- BRAIN AND SPINAL CORD TUMORS.
- LYMPHOMA (INCLUDING BOTH HODGKIN AND NON-HODGKIN)
- NEUROBLASTOMA.
- RHABDOMYOSARCOMA.
- KIDNEY TUMORS.
- RETINOBLASTOMA.
- LIVER TUMORS.
- BONE CANCER (INCLUDING OSTEOSARCOMA AND EWING SARCOMA)
- GERM CELL TUMORS.
- WILMS TUMOR.



WHO IS TODAY'S PATIENT?

- ❑ SCHOOL-AGED CHILD WHO IS 7 YEARS OF AGE
- ❑ CANCER: LEUKEMIA
- ❑ SINGLE-PARENT FAMILY
- ❑ UNDERGOING CHEMOTHERAPY/ RADIATION
- ❑ FIRST TIME EXTENDED HOSPITAL STAY





PSYCHOLOGICAL PREPARATION INTERVENTION VIDEOS

- ❑ AS A PART OF PSYCHOLOGICAL INTERVENTION WE CAN HAVE THE PATIENT WATCH CARTOON VIDEOS CALLED *ASK JAKE* ON YOUTUBE TO EXPLAIN DIFFERENT PARTS OF BEING HOSPITALIZED
- ❑ SOME VIDEOS EXPLAIN SIMPLE THINGS LIKE HOPITAL GOWNS AND WHAT DOCTORS AND NURSES LOOK LIKE AS WELL AS THEIR JOB
- ❑ SOME VIDEOS EXPLAIN MORE COMPLEX SUBJECTS LIKE CHEMO AND RADIATION AT THE CHILD'S LEVEL
- ❑ ANOTHER GREAT PREPARATION VIDEO FOUND ON YOUTUBE IS CALLED *A BOY NAMED FINN*
- ❑ HIS VIDEO EXPLAINS HIS FIRST DAY AT THE HOSPITAL, WHAT IT WAS LIKE DURING HIS STAY AND HOW EVEN THOUGH HE'S BACK HOME HE HAS TO GO BACK TO VISIT THE HOSPITAL



PSYCHOLOGICAL PREPARATION INTERVENTION

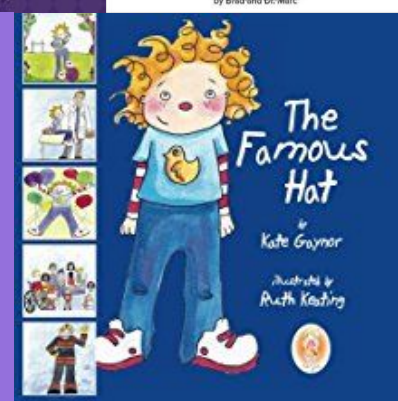
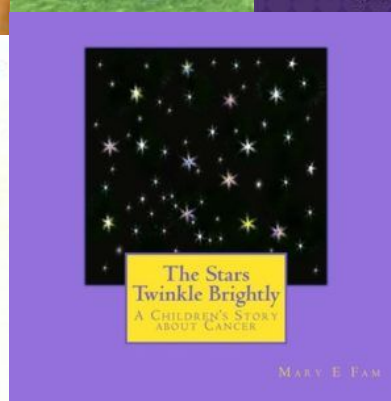
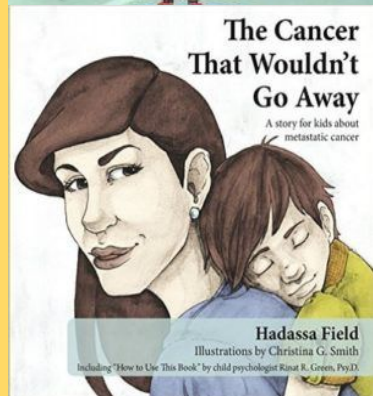
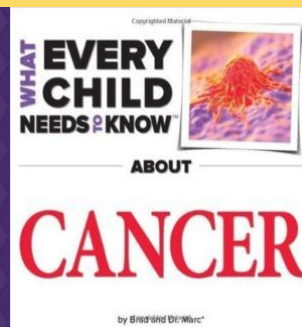
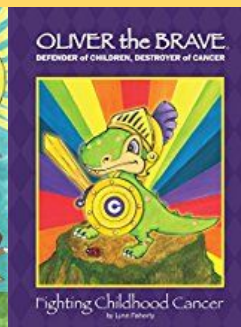
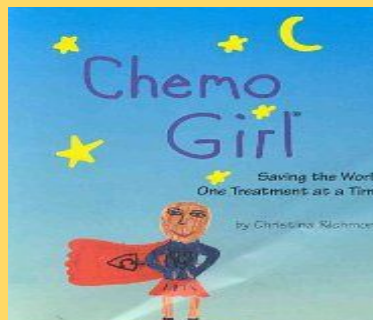
BLOOD SOUP

- ❑ EVERY CHILD LEARNS DIFFERENTLY. SOME CAN LEARN THROUGH A VIDEO WHILE OTHERS NEED TO HAVE A MORE HANDS ON EXPERIENCE TO PSYCHOLOGICALLY PREPARE FOR WHAT IS COMING
- ❑ A GREAT INTERVENTION MANY CHILDREN WITH LEUKEMIA BENEFIT FROM IS MAKING "BLOOD SOUP" TO EXPLAIN LEUKEMIA
- ❑ BLOOD SOUP IS MADE UP OF WATER AND DIFFERENT COLORED CANDIES
- ❑ THE WATER REPRESENTS THE BLOOD AND THE CANDIES REPRESENT THE DIFFERENT CELLS
- ❑ FIRST YOU MAKE HEALTHY BLOOD WITH THE PATIENT AND THEN LEUKEMIA BLOOD
- ❑ THEY CAN THEN PHYSICALLY SEE THE DIFFERENCE BETTER UNDERSTANDING WHAT IS GOING ON THEIR BODIES
- ❑ A LINK BELOW IS A CHILD LIFE SPECIALIST EXPLAINING AND MAKING BLOOD SOUP WITH A PATIENT:



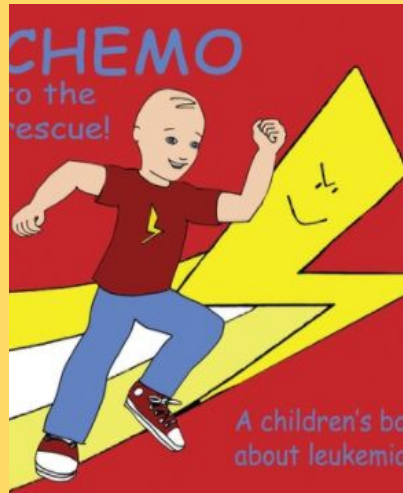
https://www.youtube.com/watch?v=k_k3S7-VFtU

BOOKS FOR EXPLAINING CANCER TO CHILDREN

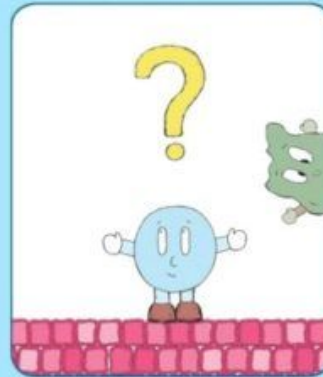


BOOKS FOR EXPLAINING CANCER TO CHILDREN

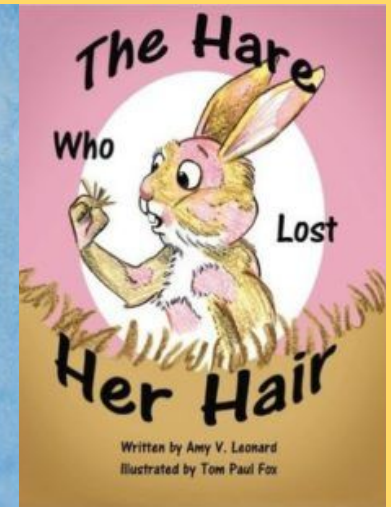
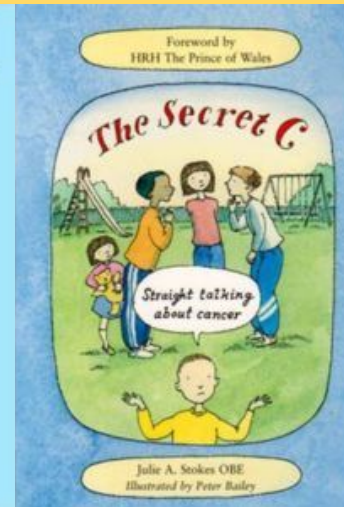
CONTINUED...



Is Cancer Contagious?
answers to this and other questions kids ask about cancer



by Vern Kousky





CULTURAL FACTORS

"A GROWING MULTICULTURAL SOCIETY PRESENTS HEALTHCARE PROVIDERS WITH A DIFFICULT TASK OF PROVIDING APPROPRIATE CARE FOR INDIVIDUALS WHO HAVE DIFFERENT LIFE EXPERIENCES, BELIEFS, VALUE SYSTEMS, RELIGIONS, LANGUAGES, AND NOTIONS OF HEALTHCARE. CULTURAL PRACTICES AND SPIRITUAL BELIEFS ARE THE FOUNDATIONS ON WHICH MANY LIVES ARE BASED, AND QUALITY CARE REQUIRES MEDICAL PROVIDERS TO BE BOTH CULTURALLY SENSITIVE AND CULTURALLY COMPETENT." (WIENER, MCCONNELL, LATELLA, & LUDI, 2013 P.1)



CHEMOTHERAPY

CHEMOTHERAPY IS ALSO CALLED "CHEMO". THIS MEDICATION KILLS THE CANCER CELLS THAT ARE CURRENTLY DIVIDING. CHEMO CAN BE GIVEN IN DIFFERENT FORMS DEPENDING ON THE TYPE OF CANCER:

- ❑ INTRAVENOUS: INJECTIONS WHICH MAY REQUIRE A PORT
- ❑ ORALLY : PILL, CAPSULE, LIQUID

SIDE EFFECTS OF CHEMO CAN INCLUDE:

- ❑ HAIR LOSS
- ❑ NAUSEA /VOMITING
- ❑ BRUISING
- ❑ INCREASE D INFECTIONS
- ❑ SORES IN THE MOUTH
- ❑ FATIGUE



REFERENCES

- ❑ Mahmoud, S., & Elaziz, N. A. A. (2015). Effect of psycho-educational training program for parent's having child with leukemia on their experience and psychological wellbeing. *Journal of Education and Practice*, 6(12), 13-29. Retrieved from <http://search.proquest.com.ezproxylocal.library.nova.edu/docview/1773219846?accountid=6579>
 - ❑ WIENER, L., MCCONNELL, D. G., LATELLA, L., & LUDI, E. (2013). Cultural and religious considerations in pediatric palliative care. *Palliative & Supportive Care*, 11(1), 47–67. <http://doi.org/10.1017/S1478951511001027>
 - ❑ Jay, S. M., Elliott, C. H., Katz, E., & Siegel, S. E. (1987). Cognitive-behavioral and pharmacologic interventions for childrens' distress during painful medical procedures. *Journal of Consulting and Clinical Psychology*, 55(6), 860-865. <http://dx.doi.org.ezproxylocal.library.nova.edu/10.1037/0022-006X.55.6.860> Retrieved from <http://search.proquest.com.ezproxylocal.library.nova.edu/docview/614303041?accountid=6579>
 - ❑ Houlston, A. (2008). *Part 1 - chemotherapy - chapter 01: Principles of chemotherapy*. Hoboken: John Wiley & Sons, Inc. Retrieved from <http://search.proquest.com.ezproxylocl.library.nova.edu/docview/189253782?accountid=6579>
-

REFERENCES

CONTINUED..

- ❑ Jay, S. M., & Elliott, C. H. (1990). A stress inoculation program for parents whose children are undergoing painful medical procedures. *Journal of Consulting and Clinical Psychology*, 58(6), 799-804.
<http://dx.doi.org.ezproxylocal.library.nova.edu/10.1037/0022-006X.58.6.799>
Retrieved from
<http://search.proquest.com.ezproxylocal.library.nova.edu/docview/614303863?accountid=6579>
- ❑ D. (2009, September 30). Explaining leukemia to Ashley (using candy). Retrieved March 25, 2018, from https://www.youtube.com/watch?v=k_k3S7-VFtU

