

DOWN:

- . INGRAM DISCOVERED THAT A CHANGE IN ONE AMINO ACID IN HEMOGLOBIN S CAUSED
- 2. DR. KWAKU OHENE-FREMPONG WAS KNOWN TO
- 3. FIRST TO OBSERVE AND DESCRIBE SICKLE-CELL ANEMIA: JAMES _
- 4. LEMUEL WHITLEY DIGGS SUGGESTED THAT PAIN IN SICKLE CELL PATIENTS IS DUE TO SICKLE CELLS CLOGGING UP SMALL BLOOD __
- 6. DR. WHITTEN-SHURNEY WAS THE DRIVING FORCE IN THE ESTABLISHMENT OF THE SICKLE CELL
- _ PROGRAM FOR THE AMERICAN RED CROSS OF SOUTHEASTERN MICHIGAN.
- 7. THE WARRIOR WHO HANDS OUT WATER.
- 10. IN THE 1970S, DR. HOWARD PEARSON IDENTIFIED PEARSON'S _
- 11. THE SCD PIONEER EXHIBIT IS AT THE ADVANCEMENTS IN HEALTHCARE __
- ___ BALL FIGHT!

ACROSS:

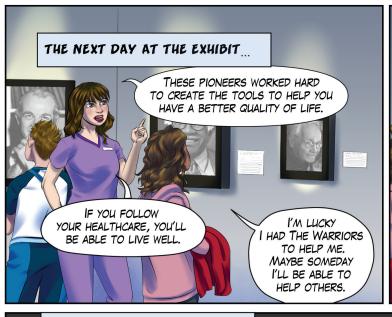
- 3. THE IRON CONTAINING PROTEIN IN THE BLOOD THAT CARRIES OXYGEN TO ALL PARTS OF OUR BODIES AND GIVES OUR BLOOD ITS RED COLOR.
- 5. CITY WHERE DR. CHARLES WHITTEN FORMED THE SICKLE CELL DETECTION AND INFORMATION CENTER AND SCDAAMI.
- 7. THE WARRIOR WHO MAKES SURE YOU'RE WARM.
- 8. ERYTHROCYTES ARE RED _____ CELLS.
- 9. NAME OF THE SICKLE CELL WARRIORS THERAPY
- 10. COLD WEATHER ARTICLE OF CLOTHING.
- 13. FUN SNOW ACTIVITY.

14. _____ NAZAIRE USED HIS ART TO EXPRESS THE PAIN OF SCD AND RAISE AWARENESS.

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AND DON'T

FORGET TO DRINK

LOTS OF WATER.

MAYBE ANOTHER VISIT TO

THE SCD PIONEER EXHIBIT AT

THE MUSEUM WILL ANSWER

THAT QUESTION.

10

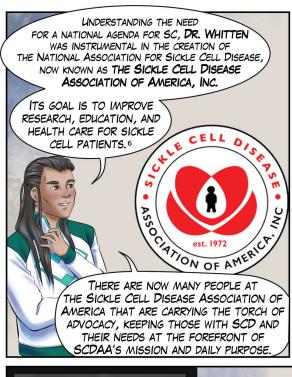
THE ALSO FOUNDED
THE SICKLE CELL DISEASE
ASSOCIATION OF AMERICA
OF MICHIGAN (SCDAAMI)
BASED IN DETROIT.

nttps://www.ontannica.com/plography/James-eryan-Herrick http://www.epi.umn.edu/cvdepi/bio-sketch/herrick-james/ https://www.findagrave.com/memorial/20386418/lemuel-whitley-diggs https://www.nobelprize.org/prizes/chemistry/1954/pauling/photo-gallery/

ABOUT SICKLE

CELL DISEASE.

5. https://www.thelancet.com/pdfs/journals/lancet/PIIS0140673606694592.pdf









DR. KWAKU OHENE-FREMPONG (KNOWN TO MANY AS KOF)

WAS A LEADING PEDIATRIC SICKLE CELL
PHYSICIAN. HIS LANDMARK ANALYSIS OF
STROKE SHOWED THE HIGH RATES OF
STROKE IN CHILDREN WERE FROM
BLOCKED BLOOD FLOW AND
THE HIGH RATES OF STROKE IN ADULTS
WERE FROM BLEEDING ANEURYSMS.

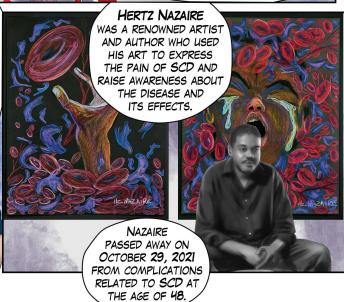
HE ALSO PIONEERED

A NEWBORN SCREENING AND
FOLLOW-UP PROGRAM IN KUMASI,
GHANA, WHERE ONE IN 50 BABIES
HAVE SCD.8

DR. HOWARD PEARSON
MADE SIGNIFICANT
CONTRIBUTIONS IN THE
PEDIATRIC HEMATOLOGY/
ONCOLOGY SERVICE AND
CLINICAL RESEARCH,
PARTICULARLY FOR
CHILDREN WITH
THALASSEMIA AND
SICKLE CELL ANEMIA.

IN THE 1970S,
HE IDENTIFIED A NEW
SYNDROME, WHICH
WAS NAMED PEARSON'S
SYNDROME AFTER HIM.

DR. PEARSON ALSO
DISCOVERED THAT
ABOUT 50% OF CHILDREN
WHO HAVE HAD THEIR
SPLEENS REMOVED
SURGICALLY BECAUSE OF
TRAUMATIC RUPTURE
EXPERIENCE SPLENOSIS,
A REGENERATION OF
THE SPLEEN.9



- 6. https://www.sicklecelldisease.org/2019/02/27/charles-f-whitten-black-history-month-scd-pioneers-2019/
- 7. https://www.nhlbi.nih.gov/todays-faces-sickle-cell-disease/wanda-whitten-shurney-md 8. https://www.sicklecelldisease.org/2022/05/10/in-memory-of-dr-kwaku-ohene-frempong/
- 9. http://archives.news.yale.edu/v30.n23/story13.html

Resource for Milestones: https://www.hematology.org/about/history/50-years/milestones-sickle-cell-disease















