

a test be considered enough to make a firm diagnosis of cancer.

- The best way to use tumor markers in diagnosing cancer hasn't been determined. And the use of some tumor marker tests is controversial.
- Examples of tumor markers include prostate-specific antigen (PSA) for prostate cancer, cancer antigen 125 (CA 125) for ovarian cancer, calcitonin for medullary thyroid cancer, alpha-fetoprotein (AFP) for liver cancer and human chorionic gonadotropin (HCG) for germ cell tumors, such as testicular cancer and ovarian cancer.
- Circulating tumor cell tests. Recently developed blood tests are being used to detect cells that have broken away from an original cancer site and are floating in the bloodstream. One circulating tumor cell test has been approved by the Food and Drug Administration to monitor people with breast, colorectal or prostate cancer. This test isn't commonly used in a clinical setting.
- Test results must be interpreted carefully because several factors can influence test outcomes, such as variations in the body or even the food.

VI. DATA ANALYSIS PLAN AND DATA PRESENTATION

Data is analyzed by Microsoft adobe excel through T-test measuring the difference between results of PCR and antibodies at a level of significance (0.05).

VII. TIMELINE

TIMELINE	DAYS
CBC test	20 => 120
Blood protein testing	First 30 days & last 30 days
Monoclonal antibodies production	20
Tumor marker tests	90 => 120
Circulating tumor cell test	70
Monoclonal antibodies injection	At 20
Evaluation tumor	30
Analysis	1-2 (through two days)
Total time	120 days

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AUTHORS

First Author –Dina Saeed Solitah, Maadi STEM School for Girls, +20 112 955 2145 and Denasalith@gmail.com.
Second Author –Mustafa Ashraf Salah, Obour STEM School, +20 100 857 8666 and Mostafaashraf348@gmail.com