**Lay Description of Important Outcomes**

* One published article (5) describes data to support using available epigenetic drugs in a treatment plan to eliminate dormant BCCs. At all-time even with treatment, the BCCs try to evade the drugs by dedifferentiating to CSCs. This study clearly shows the importance of including a treatment plan to prevent and eliminate dormant BCCs. This does not require waiting for years but adding to current treatment. To hasten prolonged remission for metastatic BC, the identified markers could be used after the treatment to predict time of recurrence. This would allow for additional treatment with the identified drugs and then monitor the blood to predict success. In this regard, success would be indicated by undetectable CSCs and circulating BCCs.
* The planned treatment discussed in the previous bullet point is non-invasive and reduced cost to the healthcare system.
* The investigator will be attending a meeting (by invitation) to link the findings of this METAvivor data to new treatments to reset the immune system of the aged. The relevance is to determine if the described potential treatment could be prolonged by enhancing/resetting the immune system. The investigator has a parallel study to show how the immune system could be reset. We envision that after treatment, there could be lifelong remission if the immune system could be reset.
* This study identified a novel combination of biomarkers to include epigenetic markers to study patient response and prognosis.
* The study is clinically relevant with oncologists planning to use the findings for a trial. This will be important for improved outcome for MBC treatment. The impact is in the near future because the trial does not depend on safety studies. Furthermore, the antibodies are available commercially.
* As stated in the original application, the patients in the inner city are first diagnosed with metastatic breast cancer. This is due to the continued health disparity. In the case of Newark, there has been an attempt since the riots to address disparity with little impact. This study will address this health disparity and the patients will be treated as if she will have a clean bill of health and succumb to something else other than MBC.