



<b>Study Title</b>	<b>A Phase II Trial of the Immunogenicity of a DNA Plasmid-Based Vaccine (STEMVAC) Encoding Th1 Selective Epitopes from Five Antigens Associated with Breast Cancer Stem Cells (MDM2, YB1, SOX2, CDH3, CD105) in Patients with Metastatic Triple-Negative Breast Cancer</b>
<b>Study Population</b>	<p>Patients with PD-L1-negative metastatic triple negative breast cancer who are receiving chemotherapy in the first or second line.</p> <p>Patients will come into the study on a chemotherapy regimen that was decided by their medical oncologist. This decision and ongoing management is made by the patient's oncologist.</p>
<b>Study Design</b>	<p>This study will accrue 20 patients. All patients will receive the STEMVAC vaccine concurrently with chemotherapy in 1<sup>st</sup> and 2<sup>nd</sup> line metastatic setting until disease progression.</p>
<b>Key Eligibility Criteria</b>	<ul style="list-style-type: none"><li>• Histologically confirmed triple-negative breast cancer</li><li>• Tumor is negative for PD-L1 marker.</li><li>• Patients have not received more than one line of prior therapy in metastatic setting</li><li>• Must have at least 1 site of disease confirmed by the treating oncologist that could be biopsied during treatment</li><li>• Willing to undergo up to two serial biopsies while on study</li><li>• Adequate lab values</li><li>• Cannot have uncontrolled autoimmune disease requiring active systemic treatment</li></ul>
<b>Study Treatment</b>	<p>STEMVAC will be administered at a 300 mcg dose given intradermally. Patients will receive three vaccine doses administered at 21-28 days intervals (depends on the chemotherapy regimen they are receiving), then 2 booster vaccines 4 and 6 months after vaccine 3, followed by additional booster vaccines every 6 months until cancer progression.</p> <p>Clinical labs will be collected and/or reviewed at the screening visit and prior to every vaccine starting with 1<sup>st</sup> vaccine. The labs collected per standard of care for the chemotherapy infusion can be used by the research team so as to eliminate repeat lab draws for the patient.</p> <p>Research blood collection for immune analysis, will be collected at screening, at one month after three priming vaccines, prior to the booster vaccines until disease progression.</p> <p>A screening biopsy of metastatic site will be done and then compared to an on-treatment biopsy 1 month after 3<sup>rd</sup> vaccination.</p> <p>Imaging for disease assessment will be done at Screening within 35 days prior to 1<sup>st</sup> chemotherapy dose. Follow up CT scans (chest, abdomen, pelvis) performed as part of standard of care, per primary oncologist.</p>
<b>More info</b>	<ul style="list-style-type: none"><li>• NCT#: NCT07078604</li><li>• <a href="http://www.uwcv.org">www.uwcv.org</a></li></ul>
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