Chemotherapy Combined With Immunotherapy Versus Immunotherapy Alone for Older Adults With Stage IIIB-IV Lung Cancer, The ACHIEVE Trial

Status: RECRUITING

Eligibility Criteria

Age: 70 years and over

This study is NOT accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

* STEP 1 REGISTRATION * Patient must be ≥ 70 years of age * Patient must have histologically or cytologically confirmed non-small cell lung cancer (NSCLC) with PD-L1 Tumor Proportion Score (TPS) range of 1-49% * Patient must have Stage IIIB, IIIC or IV disease and not be candidates for combined chemo-radiation. NOTE: Prior chemo-radiation therapy (RT) for stage III with recurrence is allowed * Patient must have a tumor that is negative for EGFR mutation/ALK translocations or other actionable first line mutations in which patients would receive first-line oral tyrosine kinase inhibitors * Patient must have an Eastern Cooperative Oncology Group (ECOG) Performance Status of 2 * Patient must agree not to father children while on study and for 6 months after the last dose of protocol treatment * Patient must have the ability to understand and the willingness to sign a written informed consent document. Patients with impaired decision-making capacity (IDMC) who have a legally authorized representative (LAR) or caregiver and/or family member available will also be considered eligible * Absolute neutrophil count (ANC) ≥ 1,500/uL (obtained within 14 days prior to Step 1 registration) * Platelets ≥ 75,000/uL (obtained within 14 days prior to Step 1 registration) * Hemoglobin (Hgb) ≥ 8.0 g/dL (obtained within 14 days prior to Step 1 registration) * Total bilirubin ≤ 1.5 x institutional upper limit of normal (ULN) (obtained within 14 days prior to Step 1 registration) * Aspartate aminotransferase (AST) (serum glutamic-oxaloacetic transaminase \[SGOT\]) and alanine aminotransferase (ALT) (serum glutamate pyruvate transaminase \[SGPT\]) ≤ 3.0 × institutional ULN (obtained within 14 days prior to Step 1 registration) * Creatinine clearance (CrCL) ≥ 45 mL/min (estimated using Cockcroft-Gault method with actual body weight or measured) (obtained within 14 days prior to Step 1 registration) * Human immunodeficiency virus (HIV)-infected patients on effective antiretroviral therapy with undetectable viral load within 6 months of Step 1 registration are eligible for this trial * For patients with evidence of chronic hepatitis B virus (HBV) infection, the HBV viral load must be undetectable on suppressive therapy, if indicated * Patients with a history of hepatitis C virus (HCV) infection must have been treated and cured. For patients with HCV infection who are currently on treatment, they are eligible if they have undetectable HCV viral * Patients with a prior or concurrent malignancy whose natural history or treatment does not have the potential to interfere with the safety or efficacy assessment of the investigational regimen are eligible for this trial * Patient must be English or Spanish speaking to be eligible for the QOL component of the study * NOTE: Sites cannot translate the associated GA or QOL forms * Patient must not have symptomatic central nervous system disease (CNS) metastases. Patients with a clinical history of CNS metastases or cord compression are eligible if they have been definitively treated and are clinically stable for at least 14 days prior to Step 1 registration and off all steroids for at least 24 hours prior to Step 1 registration. Patients with asymptomatic CNS metastases are eligible * Patient must not have had any prior cytotoxic chemotherapy regimen for metastatic disease. Chemotherapy given in the setting of adjuvant therapy or locally advanced disease is allowed as long as treatment was completed, and they have fully recovered from treatment related adverse events prior to Step 1 registration * Patient must not have had any prior immunotherapy for metastatic disease. Immunotherapy given in the setting of adjuvant therapy or locally advanced disease is allowed as long as treatment was completed greater than 6 months prior to Step 1 registration * Patient must not have a history of uncontrolled autoimmune conditions with the following exceptions, which are allowed: alopecia, vitiligo, rheumatoid arthritis, psoriasis/psoriatic arthritis, Hashimoto's thyroiditis, lupus, inflammatory bowel disease * Patient must not be on immunosuppressive medication, including steroids (if doses exceed the equivalent of prednisone 10 mg daily). Short courses of steroids which are discontinued prior to randomization are acceptable. Patients on inhaled, intranasal and/or topical steroids are eligible * Patient must have baseline imaging done assessing all measurable or non-measurable sites of disease within 45 days prior to Step 1 registration * Investigator must declare their intended chemotherapy regimen should their patient be randomized to Arm B (doublet versus\[vs\] singlet) * STEP 2 RANDOMIZATION * Patient must have completed the baseline Geriatric Assessment (GA) after Step 1 registration and prior to Step 2 randomization

Conditions & Interventions

Interventions:

DRUG: Carboplatin, PROCEDURE: Computed Tomography, PROCEDURE: Magnetic Resonance Imaging, DRUG: Nab-paclitaxel, DRUG: Paclitaxel, BIOLOGICAL: Pembrolizumab, DRUG: Pemetrexed, PROCEDURE: Positron Emission Tomography, OTHER: Questionnaire Administration

Conditions:

Advanced Lung Non-Small Cell Carcinoma, Stage IIIB Lung Cancer AJCC v8, Stage IIIC Lung Cancer AJCC v8, Stage IV Lung Cancer AJCC v8

More Information

Contact(s): ctrrecruit@vcu.edu

Principal Investigator:

Phase: PHASE3

IRB

Number:

System ID: NCT06096844