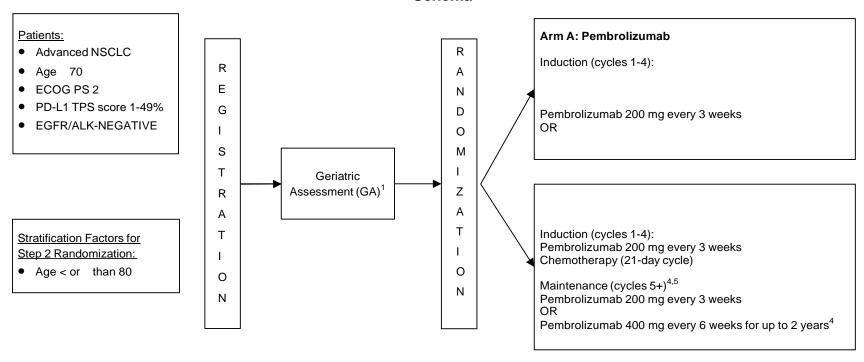


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Schema



- 1. A baseline Geriatric Assessment (GA) will be completed following Step 1 registration and prior to Step 2 randomization. Refer to Section 7.3 and Appendix V for more information.
- 2. 1:1 Randomization
- 3. Investigator's choice of either platinum doublet or single agent chemotherapy regimen as outlined in Section 5.1.3 Chemotherapy Regimen Options
- 4. Arm B Cycle 5+: Patients will discontinue chemotherapy and continue Pembrolizumab alone.
- 5. Arm B: Patients who initiate treatment with pemetrexed may continue pemetrexed in the maintenance phase at the discretion of the treating investigator as outlined in Section 5.1.3.2.

3. Selection of Patients

FCOG-ACRIN Patient No.

Each of the criteria in the checklist that follows must be met in order for a patient to be considered eligible for this study. Use the checklist to confirm a patient's eligibility. For each patient, this checklist must be photocopied, completed and maintained in the patient's chart.

In calculating days of tests and measurements, the day a test or measurement is done is considered Day 0. Therefore, if a test is done on a Monday, the Monday four weeks later would be considered Day 28.

LOCO-AC	itiin i a	dent No.
Patient's I	nitials (L	., F, M)
Physician	Signatuı	re and Date
NOTE:	specifie (http://d Therefo excepti Section study,	Policy does not allow for the issuance of waivers to any protocol ed criteria otep.cancer.gov/protocolDevelopment/policies deviations.htm). Ore, all eligibility criteria listed in Section 3 must be met, without ion. The registration of individuals who do not meet all criteria listed in a 3 can result in the participant being censored from the analysis of the and the citation of a major protocol violation during an audit, and reporting to the IRB of record as non-compliance.
	Group's	stions regarding clarification of eligibility criteria must be directed to the s Executive Officer (<u>EA.ExecOfficer@ecog-acrin.org</u>) or the Group's tory Officer (<u>EA.RegOfficer@ecog-acrin.org</u>).
NOTE:		ions may use the eligibility checklist as source documentation if it has eviewed, signed, and dated prior to randomization by the treating an.
3.1 <u>Eli</u>	gibility C	riteria (Step 1 Registration)
3.1.	1	Patient must be ≥ 70 years of age.
3.1	.2	Patient must have histologically or cytologically confirmed non-small cell lung cancer (NSCLC) with PD-L1 TPS range of 1-49%.
3.1	.3	Patient must have Stage IIIB, IIIC or IV disease and not be candidates for combined chemo-radiation. NOTE: Prior chemo-RT for stage III with recurrence is allowed.
3.1	.4	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.
3.1	.5	Patient must have an ECOG Performance Status of 2.
3.1.	6	Patient must agree not to father children while on study and for 6 months after the last dose of protocol treatment.
3.1	.7	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

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	(LAR) or caregiver and/or family member available will considered eligible.	also be
 3.1.8	Patient must have adequate organ and marrow function below (these labs must be obtained within 14 days price registration):	
	_Absolute neutrophil count (ANC) ≥ 1,500/mcL	
	ANC: Date of Test:	
	_Platelets ≥ 75,000/mcL	
	Platelets: Date of Test:	
	- Hemoglobin (Hgb) ≥ 8.0 g/dL	
	Hgb Date of Test	
	_Total bilirubin ≤ 1.5 x institutional upper limit of normal ((ULN)
	Total bilirubin: Institutional ULN:	_
	Date of Test:	
	_AST(SGOT)/ALT(SGPT) ≤ 3.0 × institutional ULN	
	AST: Institutional ULN:	
	Date of Test:	
	ALT:Institutional ULN:	
-	Creatinine clearance (CrCL) ≥ 45 mL/min (estimated us Gault method with actual body weight or measured)	ing Cockcroft-
	Creatinine clearanceDate of Test:	
3.1.9 Hu	uman immunodeficiency virus (HIV)-infected patients antiretroviral therapy with undetectable viral load within Step 1 registration are eligible for this trial.	
3.1.10	For patients with evidence of chronic hepatitis B virus (Hothe HBV viral load must be undetectable on suppression indicated.	
3.1.11	Patients with a history of hepatitis C virus (HCV) infect been treated and cured. For patients with HCV infection currently on treatment, they are eligible if they have und viral.	on who are
3.1.12	Patients with a prior or concurrent malignancy whose r or treatment does not have the potential to interfere with efficacy assessment of the investigational regimen are extrial.	n the safety or
 3.1.13	Patient must be English or Spanish speaking to be elig QOL component of the study.	ible for the
	NOTE: Sites cannot translate the associated QOL f	orms.
3.1.14	Patient must not have symptomatic central nervous sys (CNS) metastases. Patients with a clinical history of CN or cord compression are eligible if they have been defined to the control of the control o	NS metastases

Version Date: January 18, 2024 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 asympotmatic CNS metastases are eligible. 3.1.15 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. 3.1.16 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. 3.1.17 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. 3.1.18 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. 3.1.19 Investigator must declare their intended chemotherapy regimen should their patient be randomized to Arm B (doublet vs singlet) from the options outlined in Section 5.1.3. Doublet?____ (Yes/No) Singlet?____(Yes/No) Physician Signature Date **OPTIONAL:** This signature line is provided for use by institutions wishing to use the eligibility checklist as source documentation. 3.2 Eligibility Criteria (Step 2 Randomization) Patient must have completed the baseline Geriatric Assessment (GA) 3.2.1 as outlined in Section 7.3, after Step 1 registration and prior to Step 2 randomization. Physician Signature Date