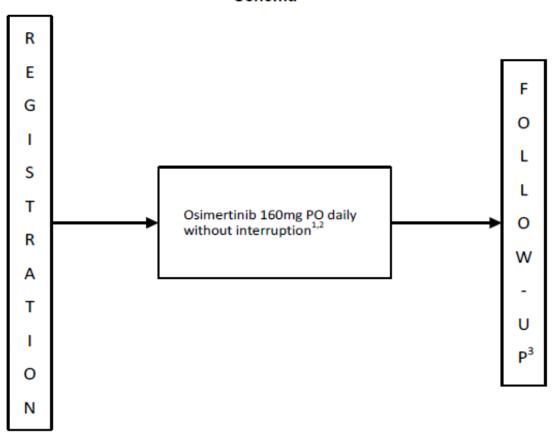


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Schema



Cycle = 3 weeks (21 days) Accrual = 20 patients

- 1. Until disease progression or unacceptable toxicities.
- 2. Restaging scans every 2 cycles (6 weeks).
- 3. Patients will be followed for 5 years from registration.

The primary endpoint is best objective response per RECIST 1.1, with confirmation of response required.

3. Selection of Patients

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.

ECOG-ACRIN Patient No.

	Patient's Initials (L, F, M) _					
	Physician Signature and Date					
	NOTE:	CTEP Policy does not allow for the issuance of waivers to any protocol specified criteria (http://ctep.cancer.gov/protocolDevelopment/policies_deviations.htm). Therefore, all eligibility criteria listed in Section 3 must be met, without exception. The registration of individuals who do not meet all criteria listed in Section 3 can result in the participant being censored from the analysis of the study, and the citation of a major protocol violation during an audit. All questions regarding clarification of eligibility criteria must be directed to the Group's Executive Officer (EA.ExecOfficer@jimmy.harvard.edu) or the Group's Regulatory Officer (EA.ExecOfficer@jimmy.harvard.edu).				
	NOTE:	been re		ise the eligibility checklist as source documentation if it has igned, and dated prior to registration/randomization by the i.		
Rev. Add4	3.1 <u>Eli</u>	gibility C	riteria			
	3.1	1.1		its must have a pathologically-confirmed diagnosis of non- lung cancer (NSCLC).		
	3.1	1.2	stage IIIB or recurre staging is	its must have advanced disease - either stage IV disease, disease not amenable to definitive multi-modality therapy, nt disease after a prior diagnosis of stage I-III disease. All via the American Joint Committee on Cancer (AJCC)/IASLC staging criteria		
	3.1		tissue. Pa	exon 20 insertion mutation must be detected in the tumor tients may be enrolled in the study based on an exon 20 EGFR mutation detected by any CLIA-certified tissue assay.		
			NOTE:	Testing results are to be submitted via Medidata Rave and the study chair or delegate will review the reports.		
Rev. Add5	3.1		Baseline r	nust have measurable disease as defined in Section 6.1.1. measurements and ALL sites of disease must be obtained reeks prior to registration.		
	3.1		their adva	ust have previously received at least one line of therapy for inced lung cancer. There are no restrictions on the maximum f prior therapies allowed.		

	ECOG-ACRIN Cancer Research Group	EA5162 Version Date: March 10, 2022
Rev. Add5	3.1.6	Participants must not have previously received osimertinib.
	3.1.7	Participants must have not previously received therapies targeting PDL1, PD1 or CTLA4 within 6 months (180 days) prior to registration.
	3.1.8	Age ≥ 18 years.
	3.1.9	ECOG performance status ≤1
Rev. Add4 Rev. Add5	3 .1.10	Participants must have normal organ and marrow function within 4 weeks before registration as defined below:
		 Hemoglobin ≥ 9.0g/dL
		 Leukocytes/White Blood Cells ≥ 3,000/mcL
		 Absolute neutrophil count ≥ 1,500/mcL
		● Platelets ≥ 100,000/mcL
		metastases or ≤ 3 times ULN in the presence of documented Gilbert's Syndrome [unconjugated hyperbilirubinaemia] or liver metastases
		 AST(SGOT)/ALT(SGPT) ≤ 3 x institutional upper limit of normal; for patients with known hepatic metastases AST and/or ALT ≤ 5x ULN
		 Creatinine ≤ 1.5 x institutional upper limit of normal
	3.1.11	Participants may not have clinically active or symptomatic interstitial lung disease or interstitial pneumonitis (i.e., affecting activities of daily living or requiring therapeutic intervention), or a history of clinically significant interstitial lung disease or radiation pneumonitis
Rev. Add5	3.1.12	Participants may not have had radiation to the lung fields within four weeks (28 days) of starting treatment. For patients receiving palliative radiation to thoracic vertebrae, ribs or other sites where the radiation field includes the lungs, radiation must be completed at least two weeks before starting treatment. For all palliative radiation to all other sites, at least 7 days must have elapsed prior to starting treatment. At least six months (180 days) must have elapsed prior to starting treatment for radiation given with curative intent.
	0.4.40	Palliative radiotherapy to control symptoms (including gamma knife technique) is permitted. For stereotactic radiosurgery (SRS) to CNS lesions, osimertinib can be held on the day of radiation only. For palliative RT to other sites of disease outside of the thorax, osi should be held for a minimum of 3 days before radiation and 3 days after RT is completed, but the duration of washout can be adjusted at the investigator's discretion with the approval of the study PI. For thoracic radiation, a 7-10 day washout period before the procedure and one week period after procedure before restarting osimertinib is advised to minimize the risk of pneumonitis. All radiotherapy related toxicities should be managed and ideally resolved before restarting osimertinib. Investigators should consider the radiotherapy when assessing causality if there are any localized AEs following the procedure.
	3.1.13	Participants may not have clinically symptomatic brain metastases, leptomeningeal disease or spinal cord compression. Patients may be

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	supplements known to be potent inducers of CYP3A4 (at least 3 weeks prior) (Appendix VIII). All patients must try to avoid concomitant use of any medications, herbal supplements and/or ingestion of foods with known inducer effects on CYP3A4.
3.1.21	If medically feasible, patients taking regular medication, with the exception of potent inducers of CYP3A4 (see above), should be maintained on it throughout the study period. Patients taking concomitant medications whose disposition is dependent upon BCRP or P-glycoprotein (Pgp) and which have a narrow therapeutic index should be closely monitored for signs of changed tolerability as a result of increased exposure of the concomitant medication whilst receiving AZD9291 (osimertinib).
	NOTE: Use of St John's wort is a contra-indication for AZD9291 (osimertinib) use.
3.1.22	If applicable, it is recommended that the starting and maintenance dose of rosuvastatin (due to BCRP inhibition by AZD9291 [osimertinib]) should be as low as possible and should be guided by the statin label. Monitoring of low-density lipoprotein (LDL) cholesterol levels is advised. If the subject experiences any potentially relevant adverse events suggestive of muscle toxicity including unexplained muscle pain, tenderness, or weakness, particularly if accompanied by malaise or fever, the statin should be stopped, creatine kinase (CK) levels should be checked, and any appropriate further management should be taken.
3.1.23	Subjects taking warfarin should be monitored regularly for changes in prothrombin time or INR.
3.1.24	No unresolved toxicities from prior therapy greater than CTCAE grade 1 at the time of starting study treatment, with the exception of alopecia and grade 2, prior platinum-therapy—related neuropathy.
3.1.25	Patients with refractory nausea and vomiting, chronic gastrointestinal diseases, inability to swallow the formulated product or previous significant bowel resection that would preclude adequate absorption of AZD9291 (osimertinib) are ineligible.
3.1.26	Women must not be pregnant or breast-feeding because AZD9291 (osimertinib) has been shown to cause fetal harm in animal models.
	All females of childbearing potential must have a blood test or urine study within 2 weeks prior to registration to rule out pregnancy.
	A female of childbearing potential is any woman, regardless of sexual orientation or whether they have undergone tubal ligation, who meets the following criteria: 1) has not undergone a hysterectomy or bilateral oophorectomy; or 2) has not been naturally postmenopausal for at least 24 consecutive months (i.e., has had menses at any time in the preceding 24 consecutive months).
	Woman of Childbearing Potential?(Yes or No)
	Date of blood test or urine study:
	3.1.223.1.233.1.243.1.25

OPTIONAL: This signature line is provided for use by institutions wishing to use the eligibility checklist as source documentation.