

Policy Type: PA/SP

Pharmacy Coverage Policy: EOCCO002

Description

Crizotinib (Xalkori), ceritinib (Zykadia), alectinib (Alecensa), brigatinib (Alunbrig), and lorlatinib (Lorbrena) are orally administered anaplastic lymphoma kinase-positive (ALK+) tyrosine kinase inhibitors (TKI).

Length of Authorization

- Initial: Six months
- Renewal: 12 months

Quantity limits

| Product Name | Dosage Form | Indication | Quantity Limit |
|-----------------------|----------------------------------------|----------------------------------------------------|----------------------|
| crizotinib (Xalkori) | 200 mg capsules | ALK+ NSCLC, metastatic; ROS1+ NSCLC, metastatic | 60 capsules/30 days |
| | 250 mg capsules | | 60 capsules/30 days |
| | 200 mg capsules | ALK+ systemic ALCL | 120 capsules/30 days |
| | 250 mg capsules | | 120 capsules/30 days |
| ceritinib (Zykadia) | 150 mg capsules | ALK+ NSCLC, metastatic | 84 capsules/28 days |
| | 150 mg tablets | | 84 tablets/28 days |
| alectinib (Alecensa) | 150 mg capsules | | 240 capsules/30 days |
| brigatinib (Alunbrig) | 30 mg tablets | | 180 tablets/30 days |
| | 90 mg tablets | | 30 tablets/30 days |
| | 90 mg and 180 mg tablet titration pack | | 30 tablets/30 days |
| | 180 mg tablets | | 30 tablets/30 days |
| lorlatinib (Lorbrena) | 25 mg tablets | | 90 tablets/30 days |
| | 100 mg tablets | | 30 tablets/30 days |

Initial Evaluation

- I. Crizotinib (Xalkori), ceritinib (Zykadia), alectinib (Alecensa), brigatinib (Alunbrig), and lorlatinib (Lorbrena) may be considered medically necessary when the following criteria below are met:
 - A. The medication is prescribed by, or in consultation with, an oncologist; **AND**
 - B. The medication will not be used in combination with other agents and will be used as monotherapy for the diagnosis submitted; **AND**
 - C. The member has metastatic (stage IV) disease; **AND**
 - D. A diagnosis of one of the following:
 1. **ALK+ Non-Small Cell Lung Cancer as detected by an FDA-approved test; AND**
 - i. Alectinib (Alecensa) is prescribed unless contraindicated or not tolerated; **AND**
 - a. For alectinib (Alecensa);
 - i. The member has not progressed on any other agent listed in this policy; **OR**
 - ii. The member has progressed on or after use of crizotinib (Xalkori)
 - b. For crizotinib (Xalkori);
 - i. The member has not progressed on any other agent listed in this policy
 - c. For ceritinib (Zykadia);
 - i. The member has not progressed on any other therapy listed in this policy; **OR**
 - ii. The member has progressed on crizotinib (Xalkori)
 - d. For brigatinib (Alunbrig)
 - i. The member has not progressed on any other therapy listed in this policy; **OR**
 - ii. The member has progressed on crizotinib (Xalkori)
 - e. For lorlatinib (Lorbrena);
 - i. The member has not progressed on any other therapy listed in this policy; **OR**
 - ii. The member has progressed on alectinib (Alecensa); **OR**
 - iii. The member has progressed on ceritinib (Zykadia); **OR**
 - iv. The member has progressed on crizotinib (Xalkori) **AND** one other agent in this policy; **OR**
 2. **ROS1+ Non-Small Cell Lung Cancer as detected by an FDA-approved test; AND**
 - i. The request is for crizotinib (Xalkori)
 - II. Crizotinib (Xalkori), ceritinib (Zykadia), alectinib (Alecensa), brigatinib (Alunbrig), and lorlatinib (Lorbrena) are considered investigational when used for all other conditions, including but not limited to:

- A. ALK+ systemic ALCL in patients one year of age and older
- B. Inflammatory myofibroblastic tumors (IMT)
- C. ROS1+ NSCLC for any agent in this policy except for crizotinib (Xalkori)
- D. NSCLC prior to the metastatic setting, or outside of the ROS1+ or ALK mutation (e.g., RET-rearranged NSCLC)
- E. NSCLC in combination with other therapies
- F. Thyroid cancer
- G. Melanoma
- H. Gastrointestinal cancer
- I. Prostate cancer
- J. Leukemias or lymphomas
- K. Urothelial cancer

Renewal Evaluation

- I. Member has received a previous prior authorization approval for this agent through this health plan; **AND**
- II. Member is not continuing therapy based off being established on therapy through samples, manufacturer coupons, or otherwise. If they have, initial policy criteria must be met for the member to qualify for renewal evaluation through this health plan; **AND**
- III. The medication is prescribed by, or in consultation with, an oncologist; **AND**
- IV. The medication continues to be used as monotherapy for ALK+ or ROS1+ NSCLC; **AND**
- V. There is documentation of disease response with treatment, defined by stabilization of disease or decrease in tumor size or tumor spread.

Supporting Evidence

- I. There is currently no evidence for safety and efficacy of any of these agents in combination with another ALK inhibitor, or in combination with any other therapies for the treatment of non-small-cell lung cancer (NSCLC). Any open prior authorizations for other ALK-inhibitors will be closed if coverage is approved for an agent in this policy. These agents have only been studied in the metastatic and adult populations with NSCLC in clinical trials.
- II. Alectinib (Alecensa) has been evaluated in the first-line setting for metastatic ALK+ NSCLC, or after progression on crizotinib (Xalkori). A class review was done in 2018 which revealed advantages with alectinib (Alecensa) including superior head-to-head progression-free survival (PFS), intracranial response compared to crizotinib, and a more favorable safety profile via indirect comparison. Alectinib (Alecensa) is the preferred agent for first-line treatment per the National Comprehensive Cancer Network (NCCN) NSCLC panel (V4.2021), for the treatment of ALK-positive NSCLC. As of March 2021, lorlatinib (Lorbrena) was added to NCCN guideline for NSCLC as the 1st-line therapy for ALK-positive NSCLC (category 1) along with alectinib (Alecensa)

- and brigatinib (Alunbrig) (both category 1). Additionally, alectinib (Alecensa) has been evaluated after progression on crizotinib (Xalkori) or lorlatinib (Lorbrena); however, safety and efficacy after progression on ceritinib (Zykadia) and/or brigatinib (Alunbrig) are unknown.
- III. In the second line setting, several agents have been evaluated after progression on crizotinib (Xalkori). Lorlatinib (Lorbrena) is the only agent at this time that has been evaluated in the third line setting following progression on crizotinib (Xalkori) and one other ALK+ TKI for NSCLC.
 - IV. Lorlatinib (Lorbrena) received its FDA-approval for second or greater line therapy in the metastatic setting of NSCLC. As of July 2019, a phase III clinical trial was in the enrollment stage to determine the comparative efficacy against crizotinib (Xalkori).
 - V. In March 2021, lorlatinib (Lorbrena) received expanded approval in the first-line setting for metastatic ALK+ NSCLC based on the data from a phase 3, open-label, randomized clinical trial (CROWN study). In 296 previously untreated patients with advanced metastatic ALK+ NSCLC, lorlatinib (Lorbrena) showed higher efficacy as compared to crizotinib (Xalkori) based on a 12 month PFS rate of 78% (95% CI; 70, 84) versus that of 39% (95% CI, 30 to 48) in crizotinib arm [HR 0.28; (95% CI, 0.19 to 0.41) ; $P < 0.001$]. Median PFS for lorlatinib (Lorbrena) was not reached while that for crizotinib (Xalkori) was 9.3 months (95% CI; 7.6, 11.1).
 - VI. Crizotinib (Xalkori) is currently FDA-approved for ROS1+ NSCLC and ALK+ systemic ALCL. Several other agents are being evaluated in clinical trials; however, safety and efficacy data was not available as of July 2019.
 - VII. Brigatinib (Alunbrig) was evaluated in an open-label, Phase 3, randomized trial against crizotinib (Xalkori) in metastatic ALK+ NSCLC. The study included 275 subjects, and those receiving brigatinib (Alunbrig) had a greater PFS (12-month PFS was 67% versus 43%; HR 0.49, $p < 0.001$). The intracranial response was 78% for brigatinib (Alunbrig) and 29% for crizotinib (Xalkori). The data is not considered of high quality due to open label trial design, and lack of clinically significant outcomes such as overall survival and quality of life parameters.
 - VIII. There is currently no evidence that ALK-inhibitors improve clinical outcomes (e.g., overall survival, quality of life) in patients with NSCLC. Quality of life parameter improvements were reported in CROWN study for lorlatinib (Lorbrena). However, this improvement was not clinically significant. Although PFS data is promising, PFS is a surrogate endpoint in NSCLC that has not been correlated with improved outcomes.

Investigational or Not Medically Necessary Uses

- I. The agents in this policy have not been sufficiently evaluated in the following settings. There may be NCCN recommendations or low quality data available; however, safety and efficacy have not been established for:
 - A. ALK+ systemic ALCL in patients one year of age and older
 - i. In January 2021, crizotinib (Xalkori) received expanded approval in patients aged one and older with ALK+ relapsed or refractory systemic anaplastic large cell lymphoma (ALCL) based on a phase 2, open-label, single-arm study in 26 patients aged one to ≤ 21 years with ALK+ ALCL. All enrolled patients were refractory to

systemic chemotherapy, two patients were refractory to a monoclonal antibody, and one patient was refractory to brentuximab. Primary outcome studied was objective response rate (ORR), which was 88% [95% CI 71-96]. There were 21 (81%) and 2 (8%) of patients who achieved complete response (CR) and partial response (PR), respectively. The median time to first response was 3.9 weeks (range: 3.5-9.1 weeks). Progression free survival and overall survival were not evaluated.

- ii. There is currently no evidence that crizotinib (Xalkori) improves clinical outcomes (e.g., overall survival, quality of life) in patients with ALCL. Improvement in this surrogate endpoint has not been correlated with improved outcomes. Crizotinib (Xalkori) remains an investigational treatment in all patients with ALCL.
- B. Inflammatory myofibroblastic tumors (IMT)
 - C. ROS1+ NSCLC for any agent in this policy except for crizotinib (Xalkori)
 - D. NSCLC prior to the metastatic setting, or outside of the ROS1+ or ALK mutation (e.g., RET-rearranged NSCLC)
 - E. NSCLC in combination with other therapies
 - F. Thyroid cancer
 - G. Melanoma
 - H. Gastrointestinal cancer
 - I. Prostate cancer
 - J. Leukemias or lymphomas
 - K. Urothelial cancer

References

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Policy Implementation/Update:

| Action and Summary of Changes | Date |
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| Added expanded indication for lorlatinib (Lorbrena) in the first-line treatment setting; added indication of ALK+ systemic ALCL for crizotinib (Xalkori) as investigational, updated quantity level limits for crizotinib (Xalkori), updated the supporting evidence section to include crizotinib (Xalkori) in the setting of ALK+ systemic ALCL | 04/2021 |
| Criteria update: Transitioned prior authorization criteria to policy format and consolidated all agents into one policy. Brigatinib now allowed for first-line setting if member has CI or intolerance to preferred therapy. Quantity level limits updated to reflect currently available products and package sizes. Addition of Zykadia tablets that are available in addition to the capsules. | 07/2019 |
| Criteria updates: Crizotinib updated criteria to new format, moved new start versus continuation question up. Updated prescriber question to fit current format, updated and added a question regarding both of the FDA-approved indications. Added a question regarding other therapies tried and failed or contraindicated. Zykadia updated to new format, deleted try and fail crizotinib question as this agent can now be used first line, added try and fail alectinib question, as per class review this is Moda Health's preferred agent. Removed age question, removed LFT question, QT prolongation question, and placed new versus continuation question up front. Alecensa criteria updated criteria to new format, deleted try and fail crizotinib question as this agent can now be used first line, removed age question. Alunbrig criteria updated to add question regarding prescribed and preferred therapy. | 01/2018 |



ALK+ Non-Small Cell Lung Cancer EOCCO POLICY



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|-----------------------|---------------------------------------------|
| Past criteria reviews | 12/2012, 09/2014, 12/2015, 06/2017 |
| Criteria created | 12/2011 |