

ORR were greater in patients who received ramucirumab and docetaxel compared with patients who received docetaxel and placebo. These results are consistent with the results from the REVEL ITT population and are summarized in Table 2.⁴ No new safety outcomes or detriment to quality of life were observed in the primary refractory subgroup.⁴

Table 2. Key Efficacy Results in REVEL Primary Refractory Subgroup⁴

Efficacy Outcomes	RAM + DOC n=178	PBO + DOC n=182
Median OS, mos	8.3	6.3
HR (95% CI)	0.86 (0.68-1.08)	
Median PFS, mos	4.0	2.5
HR (95% CI);	0.71 (0.57-0.88)	
Median ORR, %	23	13

Abbreviations: DOC = docetaxel; HR = hazard ratio; mos = months; ORR = overall response rate; OS = overall survival; PBO = placebo; PFS = progression-free survival; RAM = ramucirumab

Data in Patients with High Symptom Burden

Lilly performed a third analysis to examine the association between baseline symptom burden, as measured by the Lung Cancer Symptom Scale (LCSS), and efficacy in patients in REVEL. The LCSS average symptom burden index was calculated and used at baseline to define symptom burden as low (\leq median) or high ($>$ median). Patients experiencing low symptom burden (n=497) and high symptom burden (n=497) were analyzed across and by treatment arms for effects on efficacy. The preservation of improved PFS in the high symptom burden cohort suggests that ramucirumab and docetaxel treatment maintains an incremental efficacy over docetaxel and placebo, even in those patients with greater symptom burden at baseline.⁵

RESOURCES / REFERENCES

The following resources are submitted to assist the committee with their review:

1. [CYRAMZA \(ramucirumab\)[®] Prescribing Information.](#)
2. [Garon EB, et al. Lancet. 2014;384\(9944\):665-673.](#)
3. Reck M, et al. Effects of second-line ramucirumab after rapid time to progression on first-line therapy: subgroup analysis of REVEL in advanced non-small cell lung cancer. Oral Presentation at IASLC 18th World Conference on Lung Cancer: October 15-18, 2017. Yokohama, Japan.
4. [Reck M, et al. Lung Cancer. 2017;112:181-187.](#)
5. Winfree KB, et al. Association of baseline symptom burden with progression-free and overall survival: Exploratory analysis from the randomized phase III REVEL study in NSCLC. Poster Presentation at IASLC 2017 Chicago Multidisciplinary Symposium in Thoracic Oncology: September 14-16, 2017. Chicago, IL.

Conclusion

Patients with refractory or rapidly-progressing mNSCLC have a poor prognosis and represent a challenging population to treat. Three subgroup analyses from the REVEL trial demonstrated that ramucirumab plus docetaxel is safe and efficacious in patients with mNSCLC who are refractory to or who have rapidly progressed on initial platinum-based therapy.^{4,5,6} These data support consideration of ramucirumab in combination with docetaxel as a preferred treatment option for this difficult-to-treat population.

Thank you for your consideration of this data. Please do not hesitate to contact us with any questions.

Sincerely,

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