# **Pragmatica-Lung Cancer Treatment Trial**

#### **Optimizing Public-Private Partnerships for Clinical Cancer Research**

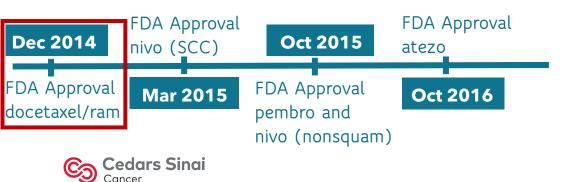
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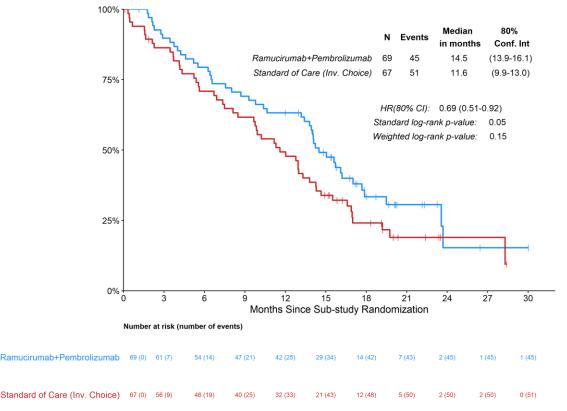
A real-world clinical trial for patients whose non-small cell lung cancer has returned after chemo- and immuno-therapy



#### Second-line therapy for advanced NSCLC



### S1800A—Overall survival



Median OS for RP 14.5 months v. SOC 11.6 months

HR= 0.69; SLR p-value 0.05

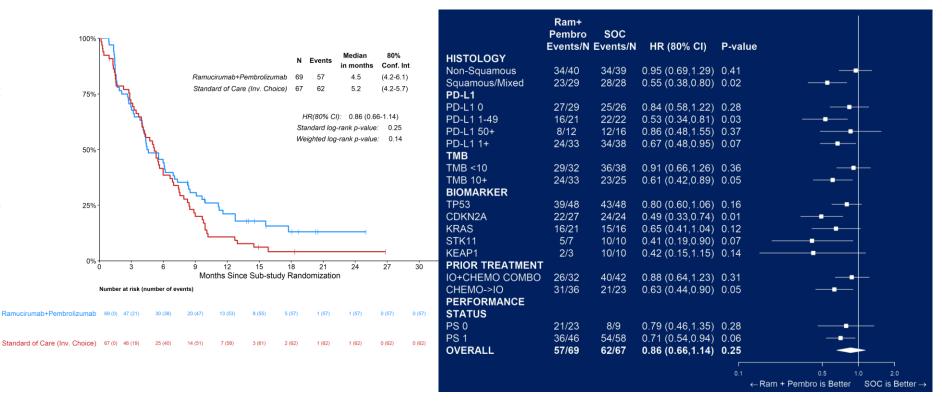
#### Standard of care therapy received:

- Docetaxel + Ramucirumab (n = 45)
- Docetaxel (n = 3)
- Gemcitabine (n = 12)
- Pemetrexed (n = 1)
- No treatment (n = 6)





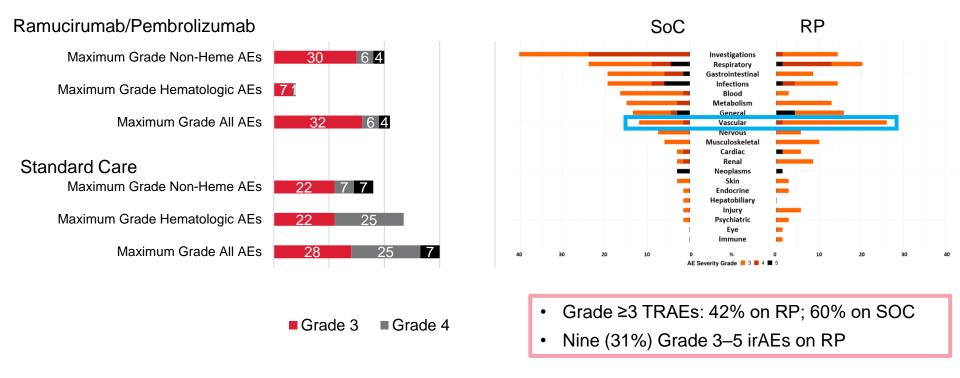






**Community Oncolog** 

# S1800A Safety summary—Percentage of patients with Grade 3-5 AEs





ALUNG-MAP





# **Background/Overview**

- Effective therapy following frontline ICI for NSCLC is needed with limited FDAapproved options.
- S1800A was a Phase II randomized study of ramucirumab plus pembrolizumab versus standard of care for NSCLC patients previously treated with immunotherapy performed within the Lung-MAP platform.
- Overall survival was significantly improved with a hazard ratio 0.69, median OS of 14.5 and 11.6 months, for pembrolizumab and ramucirumab vs. standard of care, respectively.
- Collaborative relationships made within Lung-MAP set the foundation for next steps.
- Pembrolizumab and ramucirumab are approved in multiple tumors (including NSCLC) with well known safety and efficacy profiles
- Design a simple trial to answer the specific question of overall survival benefit (challenge: 12-page protocol and 5-page consent)



# **Timing is everything**

- Growing number of complex studies in cancer in the -omics era
- Increasing awareness that clinical research needs to adjust to become more inclusive and representative
- NCI and FDA with initiatives to promote pragmatic trial designs
- Strong support from FOCR and FNIH
- Post-COVID realities: Clinical trial offices at sites challenged by high turnover and staff burnout
- Niche population trials limit patient accrual in a single trial
- Cancer centers and clinical research sites interested in finding ways to enhance patient accrual

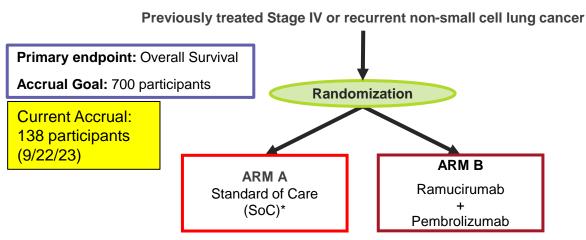


# S2302 Pragmatica-Lung



#### NCT05633602

A Prospective Randomized Study of Ramucirumab plus Pembrolizumab v Standard of Care for Participants Previously Treated with Immunotherapy for Stage IV or Recurrent NSCLC



\*SoC treatment is to be determined by the treating investigator and participant. It is recommended that the choice of SoC drug(s) is based on NCCN guidelines for a "systemic therapy for advanced or metastatic disease-subsequent."

Chair: Karen Reckamp, MD (SWOG); Co-chair: Konstantin Dragnev, MD (Alliance); Statistical Chair: Mary Redman, PhD

Co-statisticians: Jieling Miao, MS, James Moon, MS Study Champion(s): Wade lams, MD (ECOG), Brian Henick, MD (NRG); Lung community engagement subcommittee representative: Daniel Carrizosa, MD, MS



#### This is an FDA Registration Trial.

#### **Objectives**

- Primary study objective: To compare overall survival (OS)
  between participants previously treated with platinum-based
  chemotherapy and
  immunotherapy for Stage IV or recurrent NSCLC randomized to
  pembrolizumab and ramucirumab
  versus SOC.
- Secondary study objective: To summarize reports of serious and unexpected high-grade (≥ Grade 3) treatment-related adverse events determined by the treating physician within each treatment arm.

# S2302 Goals

- Empowerment of investigators to treat patients as would be done in real world practice.
- To decrease barriers to enrollment.
- To minimize the data collection burden and monitoring.
- Reduce reporting of unnecessary data.
- Shift resources used for data collection and reporting to increasing representativeness
- Designed to reduce the burden of clinical trial participation and to promote the inclusion of all participants with the disease.



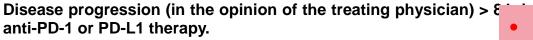
# Eligibility

The eligibility criteria are notable for items that have been removed from historical eligibility lists to increase inclusion and generalizability.

At least 18 yrs old with Stage IV or recurrent non-small cell lung cancer.

Received at least one line of anti-PD-1 or anti-PD-L1 therapy for any stage of NSCLC, alone or combination therapy.

No more than one line of anti-PD-1 or anti-PD-L1 for Stage IV or recurrent disease.



Best response on anti-PD-1 or anti-PD-L1 therapy of stable IV/recurrent NSCLC (in the opinion of the treating physician).

Disease progression </= 365 days from initiation (C1/D1) of anti-F consolidation if only line of anti-PD-1 or anti-PD-L1 therapy.

Received platinum-based chemotherapy and experienced diseased during or after this regimen.

Known sensitizing mutation, for which an FDA-approved targeted therapy for NSCLC exists (e.g., EGFR, ALK, ROS1, BRAF, RET, NTRK, KRAS, HER2 and MET sensitizing mutations), must have previously received at least one of the approved therapy(s). Prior targeted therapy allowed for pts. with targetable alterations if all other criteria met.

Ability to safely receive the investigational drug combination and the investigator's choice of SoC regimens per the current FDA-approved package insert(s), treating investigator's discretion, and institutional guidelines.

Zubrod Performance Status of 0-2.



\*\* With consent, there are no other eligibility criteria.

•	Stage IV or Recurrent	cent
•	Prior Treatment	age
•	Performance Status	d/or
•	Safety	ian)

# **Study Calendar**

#### - Per Institution Standard and FDA-approved package insert(s)

		Сус	le Lengt	n (+/- 3 days)					
REQUIRED	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Subsequent Cycles	At Off Tx	Off Tx FU		
PHYSICAL		No protocol required disease							
Vital Status Assessment	Х	Х	Х	• NO	protocol r	equire	d disease		
SAE Assessment	Х	Х	х	<ul> <li>assessment (CT, imaging)</li> <li>No protocol required lab tests</li> </ul>					
LABORATORY									
Participants must be able to s									
pembrolizumab described in protocol Section 7.2, per the discretion, and institutional guidelines.				Only report all Grade 5 and					
TREATMENT									
Arm A: Investigator's Choice of Standard of Care (So									
Chosen SoC drug(s) should be administered according to the current FDA-approved package insert(s). Arm A cycle length may vary.									
Arm B: Ramucirumab plus Pembrolizumab (21-day cycle)									
Ramucirumab	Х	Х	Х	Х	Х				
Pembrolizumab	Х	Х	Х	Х	X (up to 35 cycles)				



### **Pragmatic Design** Eligibility and study calendar

#### PRAGMATIC

Limited eligibility criteria

Items focus on stage, prior therapy, PS and safety

Enroll and treat patients as would be done in real world practice with institutional guidelines and investigator discretion.

Minimal items on study calendar.

- No labs
- No imaging or RECIST



#### STANDARD

- Extensive, complex eligibility.
- Specifics of treatment may vary from institutional standards.
- Complicated study calendar with labs/imaging/biomarker testing.

# **Data Submission Schedule and Requirements**

#### Baseline (within 15 days after randomization):

- S2302 Vital Status Form
- S2302 Onstudy Forms
- S2302 Eligibility Criteria Form
- S2302 PD-L1 Results Form
- S2302 Genomic Alterations Form
- Pathology Report

#### On Treatment (within 30 days after every treatment cycle):

- S2302 Vital Status Form
- S2302 Adverse Event Form

Off Treatment (within 30 days after discontinuation of treatment):

- S2302 Vital Status Form
- S2302 Treatment Summary Form

Follow Up (within 60 days after each follow-up visit):

- S2302 Vital Status Form
- Late Adverse Events

Within 30 days after knowledge of death:

S2302 Notice of Death





No Detailed Follow Up form, only vital status (alive or not)

No Cycle based Treatment Form No Disease Assessment Form (BTA, FUTA)

### Pragmatic Design Data capture

#### PRAGMATIC

Minimize the data collection burden

- Reduced time points for data submitted
- Reduced number of forms
- Reduced number of data elements
   No protocol required disease assessment (CT, imaging)

No protocol required lab tests

No specimen collection

Grade 5 and unexpected, related Grade 3-4 AE (~90% fewer AEs reported)

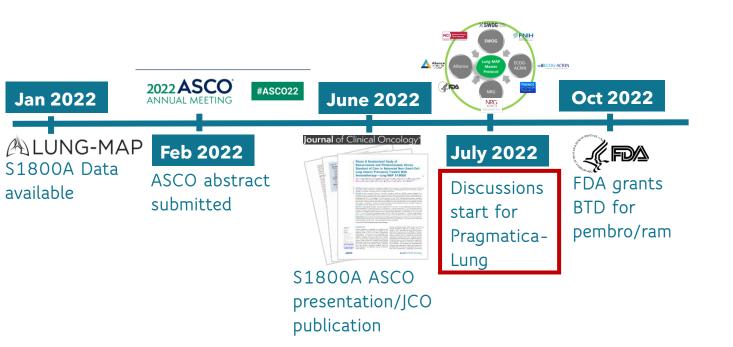
No conmed collection

Reduced data to monitor and audit



#### STANDARD

- Extensive, complex electronic data capture
- Collection of labs
- Collection of RECIST and associated queries
- Conmed collection and dates
- Extensive study monitoring and auditing





# S2302 Enhanced Recruitment Efforts: Representativeness

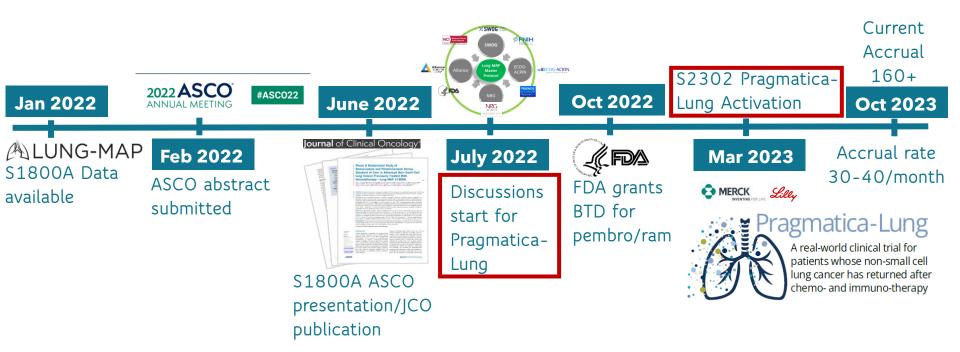
- Special focus: Enhanced outreach and support to sites with high % of patients from historically underrepresented groups
- Will place initial calls to support activation
- Will develop community engagement package with outreach strategies and materials
- Monthly monitoring of representativeness of enrolled population throughout trial
- Will provide targeted additional outreach and support based on these percentages
- Possibility of additional funds for targeted sites to support community engagement events



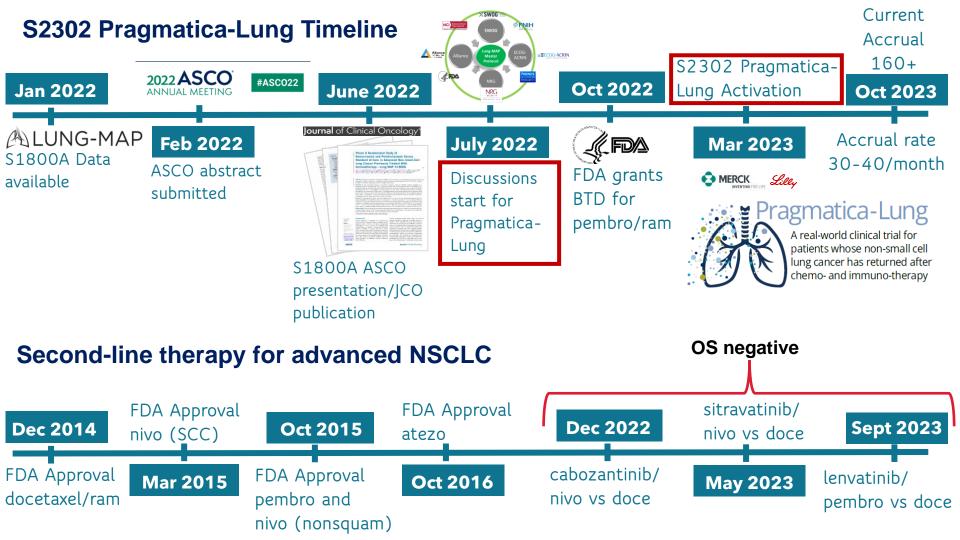
# **Resources and Materials**

- Enhanced set of resources to aid sites with outreach and patient recruitment.
- <u>S2302</u> patient-friendly plain language trial summary and accompanying social media toolkit (tweets and graphics).
  - Available for participating site use on SWOG.org and via the <u>S2302</u> protocol abstract page on CTSU.org.
- For <u>S2302</u>, CTSU will provide a template to assist with EMR implementation.
  - Institutions that choose to utilize the EMR template are responsible for the verification and modification of the EMR in compliance with local institutional guidelines.









### S2302 Pragmatica-Lung Acknowledgments

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