

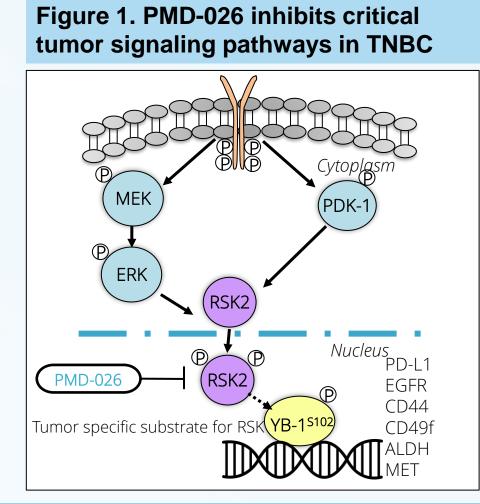
First-in-Human Expansion Study of Oral PMD-026 in Metastatic Triple Negative Breast Cancer Patients

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BACKGROUND

- RSK (p90 ribosomal S6 kinase 2) is a novel target kinase for TNBC
- PMD-026 is a first in class, oral inhibitor of RSK
- PMD-026 showed a favorable safety profile in metastatic breast cancer patients in the escalation phase of our FIH trial
- Here we describe interim safety and efficacy of PMD-026 monotherapy in metastatic TNBC patients whose disease had progressed on standard therapy



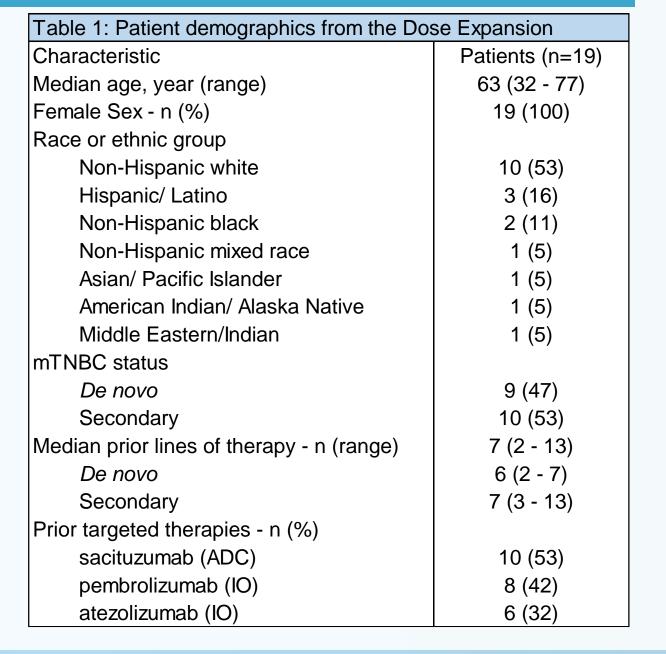
STUDY OBJECTIVES

In this expansion phase of the FIH study of the oral RSK inhibitor, PMD-026, the objectives were to further evaluate the anti-tumor activity of PMD-026 in patients with TNBC dosed at the recommended phase 2 dose (RP2D) of 200 mg Q12h.

Other objectives were to evaluate the relationship between activated RSK2 expression (companion diagnostic, CDx) and patient response to PMD-026 across heterogeneous TNBC histologies and to further assess safety of PMD-026.

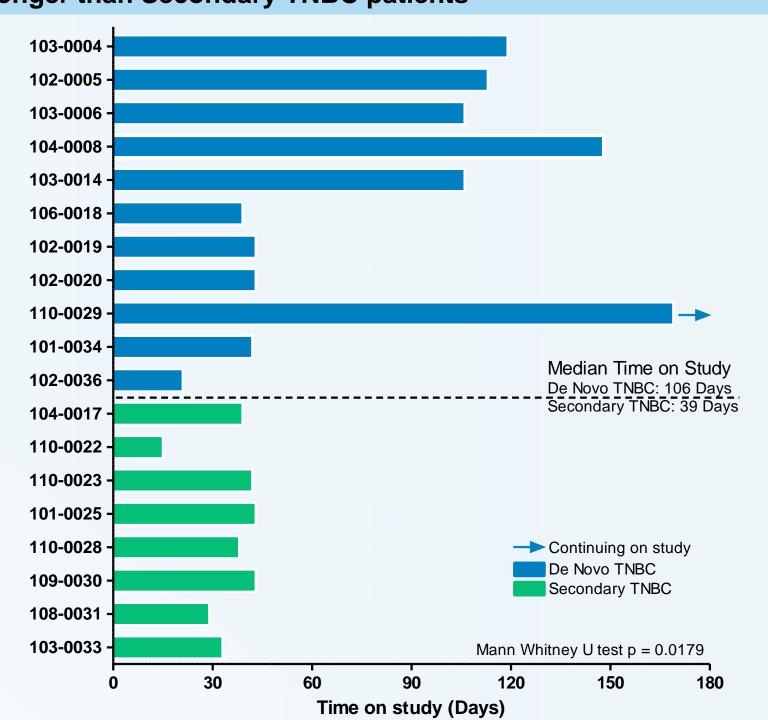
DEMOGRAPHICS

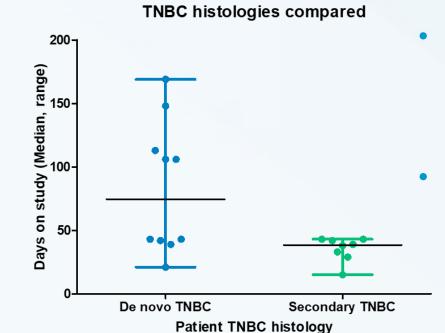
- Patients (n=19) were treated on study between Nov 2 2020 to Sep 14 2021 (data cut)
- Patients represented women from diverse ethnic/racial backgrounds
- "De novo" TNBC: patients with <10% ER, PR and HER2 at initial diagnosis; "Secondary" TNBC: patients who were initially diagnosed with ER+, PR+ or HER2+ BC but lost ER/PR/HER2 expression
- Patients had been heavily pretreated with up to 13 prior lines of therapy including ADC/IO targeted agents



PRECISION MEDICINE: CLINICAL ACTIVITY (Phase 1/1b)

Figure 2. De novo TNBC patients stay on PMD-026 treatment longer than Secondary TNBC patients





De novo TNBC patients stay on PMD-026 treatment 3x longer than patients with Secondary TNBC
 De novo TNBC patients were on study for a median of 3.5 months vs 1.3

were on study for a median of **3.5 months** vs 1.3 months for Secondary TNBC (phase 1/1b patients)

Figure 5. PMD-026 provides stable disease (SD) in 67% (6/9) of de novo TNBC patients vs all patients which was 50% (8/16)

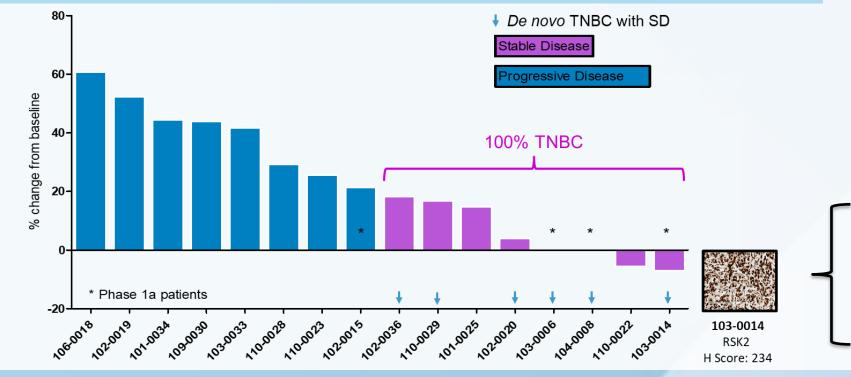


Figure 3. PMD-026 doubles PFS relative to chemotherapy in evaluable patients with high RSK2 activation (CDx)

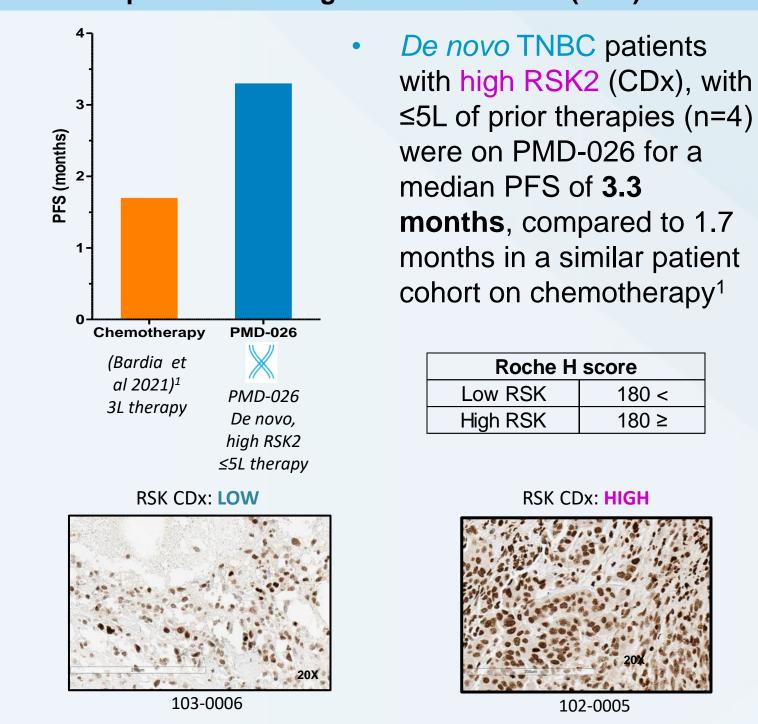
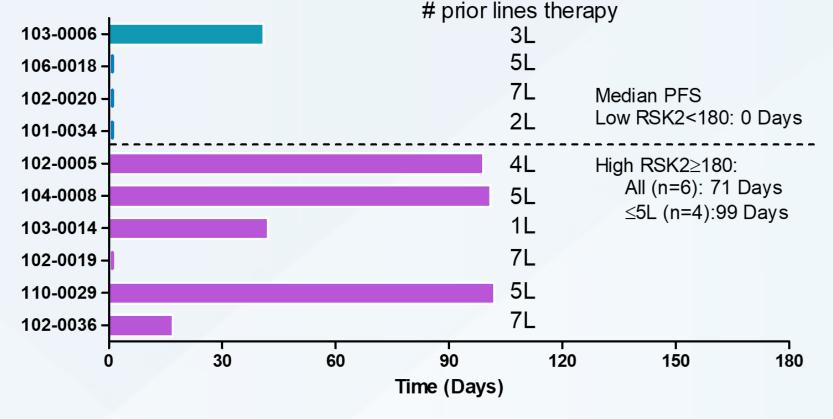


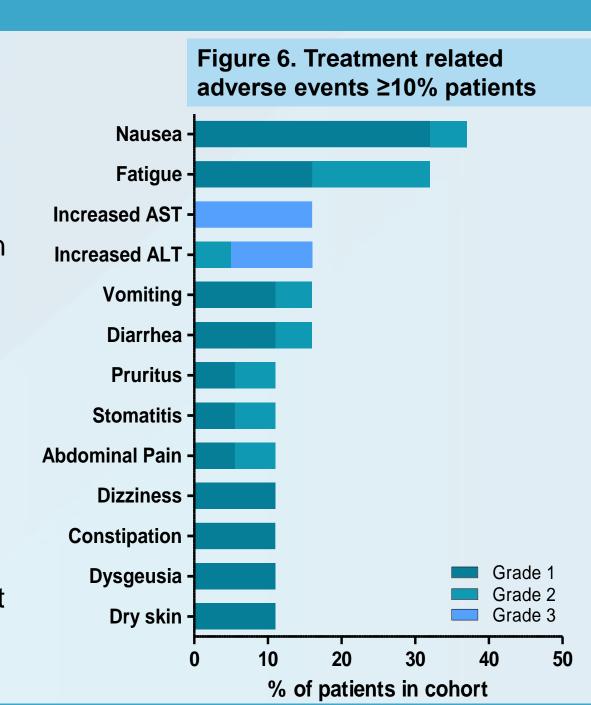
Figure 4. Median PFS of *de novo* TNBC patients with low versus high activated RSK2 (CDx)



- Median progression free survival (PFS) is longer in de novo TNBC patients with high RSK2 in tumor tissues compared with low RSK2
 - De novo TNBC patients (6/9) have more SD on PMD-026 (67%) compared to our general breast cancer population with measurable tumors, where PMD-026 provides SD in 50% (8/16) of patients dosed at RP2D
 - Best tumor response in RSK2 high/de novo TNBC patients

SAFETY

- PMD-026 was generally welltolerated with Grade 1/2 nausea and fatigue as the most common symptoms
- No alopecia was observed
- Low incidence of symptoms often observed in MAPK pathway inhibitors, such as rash (5%) and ocular disorders (5%).
- Low incidence of GI related symptoms
- G3 treatment-related AEs (TRAEs) ≥10% were elevated AST (16%) and ALT (16%)
- One related SAE (G3 colitis) was reported for the expansion cohort
- Comparable safety profile to our escalation cohort²



CONCLUSIONS

Clinical activity - We identified TNBC patients in this interim analysis, that may be most likely to benefit the most from PMD-026 in this diverse patient cohort:

the longest PFS when treated with PMD-026.
Time on study was longer for *de novo* compared with secondary

De novo TNBC with high RSK2 with ≤5 prior lines of therapy had

- TNBC patients
 De novo TNBC patients with high RSK2 had longer PFS than
- those with low RSK2 expression (by CDx: tumor IHC staining)

 Stable disease is higher in *de novo* TNBC patients compared to
- all patients with breast cancer

Safety - We established the safety of PMD-026

 PMD-026 dosed at the RP2D of 200 mg Q12h has a relatively benign safety profile: mostly low grade (G1/2) with the most common being nausea and fatigue

ACKNOWLEDGMENTS

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escalation study to assess safety and tolerability of PMD-026, a first-in-class oral RSK

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