

Supplementary Table S1: Summary of Actions Taken with Pexidartinib as a Result of Adverse Events at Least Possibly Related to Pexidartinib

Number of Patients:	600 mg (N=9)	800 mg (N=3)	1000 mg (N=3)	1200 mg (N=6)	1600 mg (N=33)	All Cohorts (N=54)
Pexidartinib Temporarily Withdrawn	2	0	2	3	12	19
Pexidartinib Dose Reduced	0	0	0	2	4	6
Pexidartinib Permanently Withdrawn	1	0	0	0	4	5

Supplementary Table S2: Summary of Actions Taken with Paclitaxel as a Result of Adverse Events at Least Possibly Related to Paclitaxel

Number of Patients:	600 mg (N=9)	800 mg (N=3)	1000 mg (N=3)	1200 mg (N=6)	1600 mg (N=33)	All Cohorts (N=54)
Paclitaxel Temporarily Withdrawn	2	0	2	3	14	21
Paclitaxel Dose Reduced	1	0	1	1	4	7
Paclitaxel Permanently Withdrawn	0	0	0	0	4	4

Supplementary Table S3: Adverse Events by Dose Level and Severity Grade

Adverse Event Severity Grade	600 mg (n=9) n (%)	800 mg (n=3) n (%)	1000 mg (n=3) n (%)	1200 mg (n=6) n (%)	1600 mg (n=33) n (%)	Total (N=54) n (%)
Any Event	9 (100)	3 (100)	3 (100)	6 (100)	33 (100)	54 (100)
Grade 1 (Mild)	1 (11)	0	0	0	1 (3)	2 (4)
Grade 2 (Moderate)	3 (33)	1 (33)	0	2 (33)	1 (3)	7 (13)
Grade 3 (Severe)	4 (44)	1 (33)	1 (33)	4 (67)	27 (82)	37 (69)
Grade 4 (Life Threatening)	1 (11)	1 (33)	1 (33)	0	4 (12)	7 (13)
Grade 5 (Fatal)	0	0	1 (33)	0	0	1 (2)

Supplementary Table S4: Adverse Events by Dose Level Relationship to Study Drug

	600 mg (n=9) n (%)	800 mg (n=3) n (%)	1000 mg (n=3) n (%)	1200 mg (n=6) n (%)	1600 mg (n=33) n (%)	Total (N=54) n (%)
By Relationship to Paclitaxel						
Any Event	9(100)	3(100)	3(100)	6(100)	33(100)	54(100)
Not Related	1 (11)	0	0	0	2 (6)	3 (6)
Possibly Related	3 (33)	0	0	1 (17)	9 (27)	13 (24)
Probably Related	5 (56)	3(100)	3(100)	5 (83)	22 (67)	38 (70)
By Relationship to Pexidartinib						
Any Event	9(100)	3(100)	3(100)	6(100)	33(100)	54(100)
Not Related	1 (11)	0	0	0	2 (6)	3 (6)
Possibly Related	5 (56)	0	0	1 (17)	11 (33)	17 (31)

Supplementary Table S5: Summary of toxicities that occurred in >10% of patients and were at least possibly related to Pexidartinib:

Toxicity	Grades 1 & 2	Grades 3 & 4	All Grades
	Number (%)		
Fatigue	24 (44)	8 (15)	32 (59)
Aspartate Aminotransferase Increased	15 (28)	4 (7)	19 (35)
Nausea	16 (30)	3 (6)	19 (35)
Anaemia	10 (19)	8 (15)	18 (33)
Blood Creatine Phosphokinase Increased	17 (31)	0 (0)	17 (31)
White Blood Cell Count Decreased	15 (28)	1 (2)	16 (30)
Diarrhoea	14 (26)	2 (4)	16 (30)
Decreased Appetite	16 (30)	0 (0)	16 (30)
Neutropenia/Decreased Neutrophils	9 (17)	5 (9)	14 (26)
Vomiting	12 (22)	2 (4)	14 (26)
Dysgeusia	14 (26)	0 (0)	14 (26)
Hypertension	7 (13)	6 (11)	13 (24)
Rash	8 (15)	3 (6)	11 (20)
Alanine Aminotransferase Increased	9 (17)	1 (2)	10 (19)
Blood Alkaline Phosphatase Increased	8 (15)	1 (2)	9 (17)
Hypophosphataemia	3 (6)	5 (9)	8 (15)
Pruritus	7 (13)	0 (0)	7 (13)
Periorbital Oedema	7 (13)	0 (0)	7 (13)
Pyrexia	6 (11)	0 (0)	6 (11)
Constipation	6 (11)	0 (0)	6 (11)

Count includes only the maximum grade experienced by each patient for each AE term

Supplementary Table S6: Summary of toxicities that occurred in >10% of patients and were at least possibly related to Paclitaxel

Toxicity	Grades 1 & 2	Grades 3 & 4	All Grades
	Number (%)		
Anaemia	18 (33)	14 (26)	32 (59)
Fatigue	25 (46)	7 (13)	32 (59)
Neutropenia/Decreased Neutrophils	11 (20)	12 (22)	23 (43)
Diarrhoea	16 (30)	4 (7)	20 (37)
Aspartate Aminotransferase Increased	16 (30)	3 (6)	19 (35)
Lymphocyte Count Decreased	8 (15)	10 (19)	18 (33)
White Blood Cell Count Decreased	15 (28)	2 (4)	17 (31)
Nausea	15 (28)	2 (4)	17 (31)
Decreased Appetite	17 (31)	0 (0)	17 (31)
Dysgeusia	15 (28)	0 (0)	15 (28)
Alopecia	15 (28)	0 (0)	15 (28)
Vomiting	12 (22)	1 (2)	13 (24)
Alanine Aminotransferase Increased	9 (17)	1 (2)	10 (19)
Rash	7 (13)	2 (4)	9 (17)
Neuropathy Peripheral	6 (11)	2 (4)	8 (15)
Blood Alkaline Phosphatase Increased	6 (11)	1 (2)	7 (13)
Pyrexia	7 (13)	0 (0)	7 (13)
Hypophosphataemia	3 (6)	3 (6)	6 (11)
Oedema Peripheral	6 (11)	0 (0)	6 (11)
Pruritus	6 (11)	0 (0)	6 (11)

Blood Creatine Phosphokinase Increased	6 (11)	0 (0)	6 (11)
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Count includes only the maximum grade experienced by each patient for each AE term

Supplemental Table 7: Pexidartinib Day 15 Plasma Pharmacokinetic Parameters

Parameter	600 mg (n=6)	800 mg (n=3)	1000 mg (n=3)	1200 mg (n=6)	1600 mg (n=6)
C_{max} (ng/mL) Mean (SD)	3655 (1447)	6783 (1681)	4443 (1165)	8733 (3591)	8772 (4055)
AUC⁰⁻⁴ (hr*ng/mL) Mean (SD)	13318 (5434)	22290 (5242)	13960 (5378)	29495 (10391)	28713 (1604)