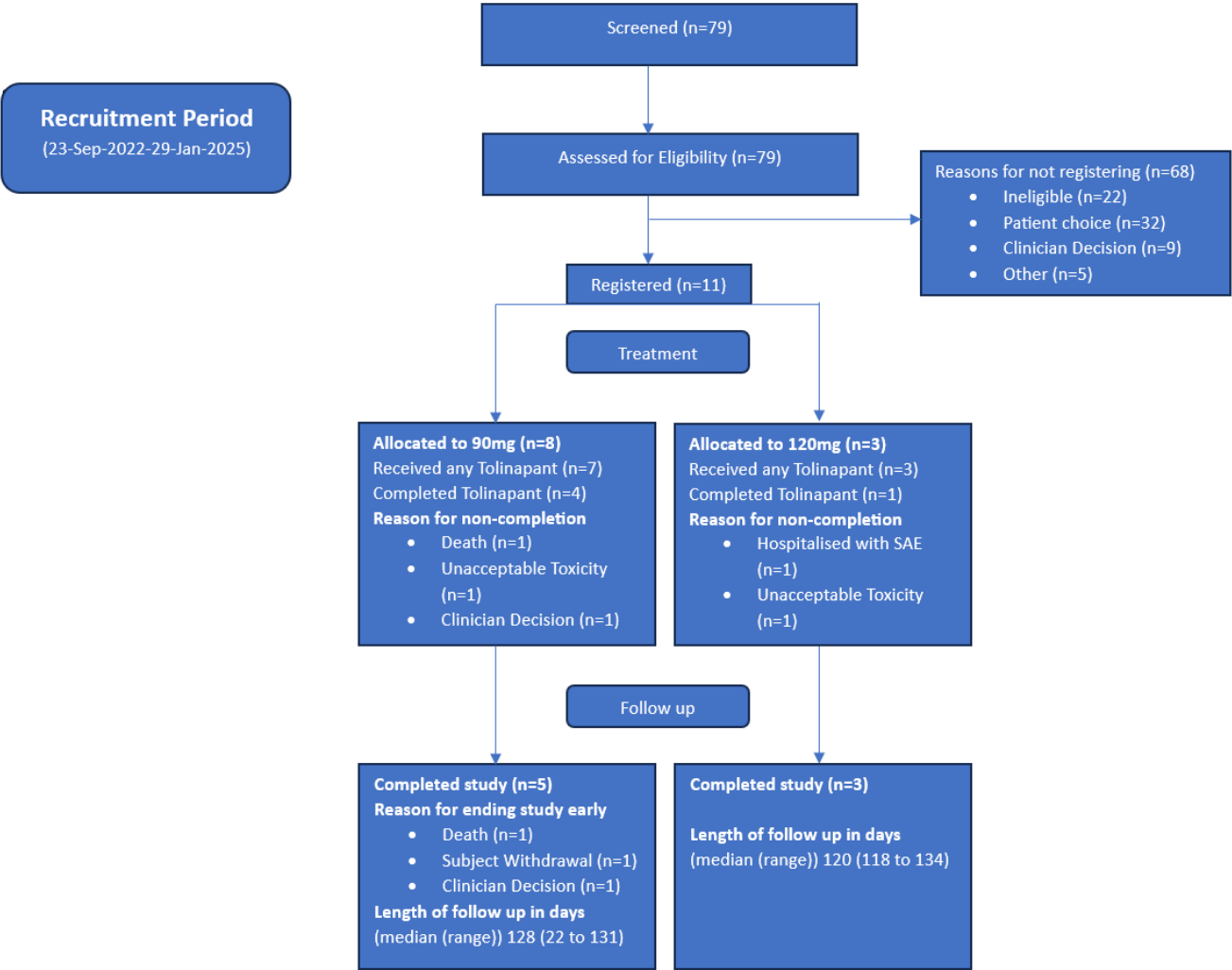


CRAIN Results Summary

Participant Flow



Baseline Characteristics

	90mg (n=8)	120mg (n=3)
Age at consent (years) Median (Quartiles)	47.5 (44.0 to 54.0)	40.0 (35.0 to 61.0)
Ethnicity Asian/Asian British- Chinese White- Scottish/English/Welsh/Northern Irish/British Not given	1 (12.5%) 5 (62.5%) 2 (25.0%)	0 (0.0%) 3 (100%) 0 (0.0%)
ECOG Status 0 = Fully active 1 = Restricted in physically strenuous activity but ambulatory	7 (87.5%) 1 (12.5%)	3 (100%) 0 (0.0%)
Type of Cervical Cancer Adenocarcinoma Squamous cell carcinoma	5 (62.5%) 3 (37.5%)	0 (0.0%) 3 (100%)
FIGO stage IB2 IIA1 IIB IIIC	3 (37.5%) 0 (0.0%) 4 (50.0%) 1 (12.5%)	0 (0.0%) 1 (33.3%) 1 (33.3%) 1 (33.3%)
Fecal urgency (RT-ARD score) 1 = Ability to defer defecation more than 15 minutes Not collected in error	8 (100%) 0 (0.0%)	2 (66.7%) 1 (33.3%)
Metastases Present? Yes No	0 (0.0%) 8 (100%)	0 (0.0%) 3 (100%)
Lymph Nodes present in pelvis? Yes No	0 (0.0%) 8 (100%)	1 (33.3%) 2 (66.7%)
Number of Target lesions Median (Quartiles)	1 (1 to 1)	1 (1 to 1)
Sum of Target lesions (mm) Median (Quartiles)	42 (20 to 48)	25 (24 to 45)

Outcome Measures

	90mg (n=7)	120mg (n=3)
Number of Patients included	7	3
Number of Patients who experienced a DLT - n (%) ¹	0 (0.0%)	2 (66.7%)
Number of DLT events ²	0	5
Number of patients experiencing each type of DLT - n (%) ³ [no. of events]		
Grade 4 neutropenia ⁴	0 (0.0%) [0]	0 (0.0%) [0]
Grade 3 or 4 febrile neutropenia ⁴	0 (0.0%) [0]	0 (0.0%) [0]
Grade 3 or 4 neutropenia ⁴	0 (0.0%) [0]	0 (0.0%) [0]
Grade 3 or 4 thrombocytopenia ⁴	0 (0.0%) [0]	0 (0.0%) [0]
Other Grade 3+ AE ⁴	0 (0.0%) [0]	2 (100%) [5]
Alanine aminotransferase increased (Grade 3, probably related)	0 (0.0%) [0]	1 (50.0%) [1]
Generalised tonic-clonic seizure (Grade 3, probably related)	0 (0.0%) [0]	1 (50.0%) [1]
Haemorrhage intracranial (Grade 4, probably related)	0 (0.0%) [0]	1 (50.0%) [1]
Hemianopia (Grade 3, probably related)	0 (0.0%) [0]	1 (50.0%) [1]
Transverse sinus thrombosis (Grade 4, probably related)	0 (0.0%) [0]	1 (50.0%) [1]
Death ⁴	0 (0.0%) [0]	0 (0.0%) [0]

¹ Denominator is the number of patients.

² The TITE CRM model is based on the number of patients experiencing a DLT, not the no. of events that meet the criteria.

³ Denominator is the number of patients who experienced a DLT.

⁴ Only a DLT if clinically defined as definitely or probably related to Tolinapant. See full DLT criteria for more details on requirements to be defined as a DLT.

According to the model, the recommended phase 2 dose level is 3 (120mg). However, the overall decision by the Safety Review Committee, Chief Investigator, and the Trial Management Group was to select 90mg as the recommended phase 2 dose.

	Dose level				
	60mg (n=0)	90mg (n=7)	120mg (n=3)	150mg (n=0)	180mg (n=0)
Number of patients included in the model	0	7	3	0	0
Number of full patient assessment equivalents ¹	0	5.64	3	0	0
Number of patients with DLT	N/A	0	2	N/A	N/A
Estimated DLT rate ² (95% Credible equal tail interval)	11.7% (2.8 to 30.1)	18.9% (5.6 to 39.9)	26.1% (9.2 to 47.7)	34.1% (14.4 to 55.0)	43.1% (21.7 to 62.1)
Target dose probability ³	13.3%	31.1%	36.9%	26.7%	10.3%
Probability of being too toxic ⁴	0.9%	6.5%	20.7%	46.6%	76.6%

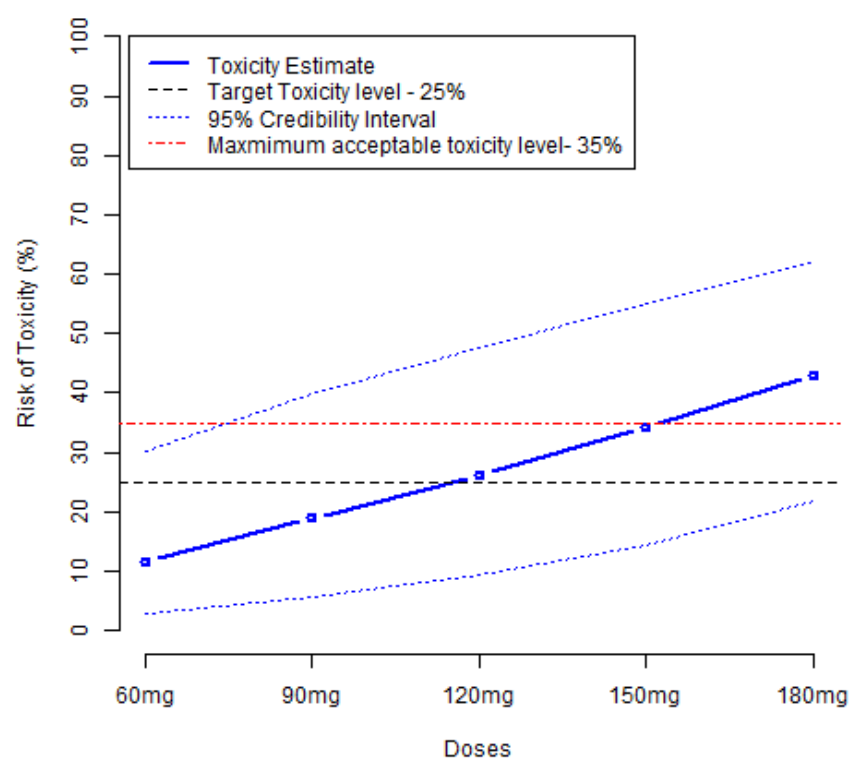
¹ A full patient assessment equivalent is defined as 12 weeks (84 days). Once a patient has reached day 84 or experienced a DLT they count as one full assessment. Otherwise, the equivalent is calculated as number of days since treatment start/84 for each patient. This figure is the sum of all patients who have received treatment.

² Estimated using the TITE-CRM model – all information for each dose is used to model toxicity for all levels.

³ Probability the dose lies within the target toxicity level (20-30%), estimated using the model.

⁴ Probability the dose is too toxic, i.e. greater than 35%.

Dose-Toxicity Plot (data up to week 12 only)



Adverse Events

Overall toxicity summary by SOC and PT term – Evaluable population

	Dose Level		
	90mg (n=7)	120mg (n=3)	Total (n=10)
Number of patients that experienced at least one AE - n (%) [no. of events]	7 (100%) [147]	3 (100%) [71]	10 (100%) [218]
Summary of AEs - n (%)¹ [no. of events]			
Blood and lymphatic system disorders	2 (28.6%) [4]	1 (33.3%) [1]	3 (30.0%) [5]
Anaemia	2 (28.6%) [3]	1 (33.3%) [1]	3 (30.0%) [4]
Neutropenia	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Cardiac disorders	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Sinus Tachycardia	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Ear and labyrinth disorders	1 (14.3%) [3]	1 (33.3%) [2]	2 (20.0%) [5]
Ear Pain	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Hypoacusis	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Tinnitus	1 (14.3%) [2]	1 (33.3%) [1]	2 (20.0%) [3]
Endocrine disorders	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Diabetes Insipidus	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Eye disorders	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Papilloedema	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Gastrointestinal disorders	7 (100%) [42]	3 (100.0%) [13]	10 (100%) [55]
Abdominal Pain	3 (42.9%) [5]	1 (33.3%) [1]	4 (40.0%) [6]
Abdominal Pain Lower	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Constipation	2 (28.6%) [3]	1 (33.3%) [1]	3 (30.0%) [4]
Diarrhoea	6 (85.7%) [11]	3 (100.0%) [6]	9 (90.0%) [17]
Dry Mouth	1 (14.3%) [1]	1 (33.3%) [1]	2 (20.0%) [2]
Dyspepsia	4 (57.1%) [6]	0 (0.0%) [0]	4 (40.0%) [6]
Flatulence	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Mouth Ulceration	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Nausea	4 (57.1%) [7]	2 (66.7%) [3]	6 (60.0%) [10]
Small Intestinal Obstruction	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Tongue Ulceration	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Vomiting	3 (42.9%) [5]	0 (0.0%) [0]	3 (30.0%) [5]
General disorders and administration site conditions	5 (71.4%) [9]	3 (100.0%) [4]	8 (80.0%) [13]
Fatigue	5 (71.4%) [7]	3 (100.0%) [3]	8 (80.0%) [10]
Pyrexia	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Thirst	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Vaccination Site Reaction	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Immune system disorders	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Seasonal Allergy	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Infections and infestations	2 (28.6%) [4]	1 (33.3%) [2]	3 (30.0%) [6]
Pneumonia	1 (14.3%) [1]	1 (33.3%) [1]	2 (20.0%) [2]
Urinary Tract Infection	1 (14.3%) [2]	1 (33.3%) [1]	2 (20.0%) [3]
Vaginal Infection	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Injury, poisoning and procedural complications	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Procedural Vomiting	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Investigations	7 (100%) [33]	2 (66.7%) [25]	9 (90.0%) [58]
Alanine Aminotransferase Increased	4 (57.1%) [6]	1 (33.3%) [6]	5 (50.0%) [12]
Amylase Increased	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Aspartate Aminotransferase Increased	2 (28.6%) [2]	1 (33.3%) [1]	3 (30.0%) [3]
Blood Alkaline Phosphatase Increased	1 (14.3%) [2]	0 (0.0%) [0]	1 (10.0%) [2]
Blood Calcium Decreased	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Blood Magnesium Decreased	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]

	Dose Level		
	90mg (n=7)	120mg (n=3)	Total (n=10)
Blood Urea Increased	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Gamma-Glutamyl transferase Increased	1 (14.3%) [2]	1 (33.3%) [1]	2 (20.0%) [3]
Haemoglobin Decreased	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Lipase Increased	4 (57.1%) [9]	2 (66.7%) [3]	6 (60.0%) [12]
Lymphocyte Count Decreased	1 (14.3%) [2]	2 (66.7%) [7]	3 (30.0%) [9]
Neutrophil Count Decreased	2 (28.6%) [2]	0 (0.0%) [0]	2 (20.0%) [2]
Platelet Count Decreased	1 (14.3%) [2]	2 (66.7%) [2]	3 (30.0%) [4]
Vitamin D Decreased	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Weight Decreased	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
White Blood Cell Count Decreased	1 (14.3%) [2]	1 (33.3%) [2]	2 (20.0%) [4]
Metabolism and nutrition disorders	7 (100%) [16]	0 (0.0%) [0]	7 (70.0%) [16]
Decreased Appetite	3 (42.9%) [5]	0 (0.0%) [0]	3 (30.0%) [5]
Hyperglycaemia	1 (14.3%) [2]	0 (0.0%) [0]	1 (10.0%) [2]
Hypoalbuminaemia	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Hypomagnesaemia	4 (57.1%) [8]	0 (0.0%) [0]	4 (40.0%) [8]
Musculoskeletal and connective tissue disorders	1 (14.3%) [1]	2 (66.7%) [5]	3 (30.0%) [6]
Arthralgia	1 (14.3%) [1]	1 (33.3%) [1]	2 (20.0%) [2]
Muscle Spasms	0 (0.0%) [0]	1 (33.3%) [4]	1 (10.0%) [4]
Nervous system disorders	5 (71.4%) [9]	2 (66.7%) [8]	7 (70.0%) [17]
Cerebrovascular Accident	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Dizziness	2 (28.6%) [2]	0 (0.0%) [0]	2 (20.0%) [2]
Generalised Tonic-Clonic Seizure	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Haemorrhage Intracranial	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Headache	1 (14.3%) [1]	2 (66.7%) [2]	3 (30.0%) [3]
Hemianopia	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Lethargy	2 (28.6%) [2]	0 (0.0%) [0]	2 (20.0%) [2]
Neuralgia	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Neuropathy Peripheral	1 (14.3%) [1]	1 (33.3%) [1]	2 (20.0%) [2]
Paraesthesia	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Presyncope	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Transverse Sinus Thrombosis	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Psychiatric disorders	1 (14.3%) [1]	1 (33.3%) [2]	2 (20.0%) [3]
Insomnia	1 (14.3%) [1]	1 (33.3%) [2]	2 (20.0%) [3]
Renal and urinary disorders	3 (42.9%) [3]	2 (66.7%) [3]	5 (50.0%) [6]
Dysuria	2 (28.6%) [2]	1 (33.3%) [2]	3 (30.0%) [4]
Haematuria	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Pollakiuria	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Reproductive system and breast disorders	5 (71.4%) [7]	2 (66.7%) [2]	7 (70.0%) [9]
Pelvic Discomfort	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Pelvic Floor Muscle Weakness	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Pelvic Pain	3 (42.9%) [3]	0 (0.0%) [0]	3 (30.0%) [3]
Premature Menopause	2 (28.6%) [2]	0 (0.0%) [0]	2 (20.0%) [2]
Vaginal Haemorrhage	1 (14.3%) [1]	1 (33.3%) [1]	2 (20.0%) [2]
Respiratory, thoracic and mediastinal disorders	3 (42.9%) [4]	0 (0.0%) [0]	3 (30.0%) [4]
Cough	2 (28.6%) [3]	0 (0.0%) [0]	2 (20.0%) [3]
Dyspnoea	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Skin and subcutaneous tissue disorders	3 (42.9%) [5]	1 (33.3%) [1]	4 (40.0%) [6]
Alopecia	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Rash Maculo-Papular	1 (14.3%) [3]	0 (0.0%) [0]	1 (10.0%) [3]
Skin Exfoliation	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Skin Reaction	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Vascular disorders	3 (42.9%) [3]	1 (33.3%) [1]	4 (40.0%) [4]
Flushing	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Hot Flush	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Hypertension	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Hypotension	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]

¹ Percentages are based on the number of patients on the dose level

Reported Serious Adverse Events (SAEs)/Serious Adverse Reactions (SARs) and Suspected Unexpected Serious Adverse Reactions (SUSARs) – Evaluable population

	Dose Level		
	90mg (n=7)	120mg (n=3)	Total (n=10)
Number of patients experiencing at least one SAE/SAR/SUSAR - n (%)¹	3 (42.9%)	1 (33.3%)	4 (40.0%)
Number of SAE/SAR/SUSAR per patient (for patients with at least one SAE/SAR/SUSAR) – median (range)	1 (1 to 1)	4 (4 to 4)	1 (1 to 4)
Overall Assessment - n (%)^{2,3}			
SUSAR (Suspected Unexpected Serious Adverse Reaction)	1 (33.3%)	4 (100%)	5 (71.4%)
SAR (Serious Adverse Reaction)	0 (0.0%)	0 (0.0%)	0 (0.0%)
SAE (Serious Adverse Event)	2 (66.7%)	0 (0.0%)	2 (28.6%)
Not SAE	0 (0.0%)	0 (0.0%)	0 (0.0%)
Pending	0 (0.0%)	0 (0.0%)	0 (0.0%)
Total	3 (100%)	4 (100%)	7 (100%)
CTCAE v5.0 grade - n (%)²			
1 – Mild	0 (0.0%)	0 (0.0%)	0 (0.0%)
2 – Moderate	0 (0.0%)	0 (0.0%)	0 (0.0%)
3 – Severe	2 (66.7%)	2 (50%)	4 (57.1%)
4 – Life threatening	0 (0.0%)	2 (50%)	2 (28.6%)
5 – Death related to AE	1 (33.3%)	0 (0.0%)	1 (14.3%)
Pending	0 (0.0%)	0 (0.0%)	0 (0.0%)
Total	3 (100%)	4 (100%)	7 (100%)
Why was the event serious - n (%)²			
1 – Resulted in death	1 (33.3%)	0 (0.0%)	1 (14.3%)
2 – Life threatening	0 (0.0%)	2 (50%)	2 (28.6%)
3 – Required hospitalisation or prolongation of existing hospitalisation	2 (66.7%)	0 (0.0%)	2 (28.6%)
6 - Other important medical event	0 (0.0%)	2 (50%)	2 (28.6%)
Total	3 (100%)	4 (100%)	7 (100%)

¹ Percentages are based on the number of patients on the dose level

² Percentages are based on the number of SAEs/SARs/SUSARs.

³ Taken as the 'worst case' of the PI and independent clinical reviewer assessments

Summary by SOC and PT term as reported on the SAE form – Evaluable population

	Dose Level		
	90mg (n=7)	120mg (n=3)	Total (n=10)
Number of patients that experienced at least one SAE - n (%) [no. of events]	3 (42.9%) [3]	1 (33.3%) [4]	4 (40.0%) [7]
Summary of SAEs - n (%)¹ [no. of events]			
Gastrointestinal disorders	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Small Intestinal Obstruction	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Infections and infestations	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Pneumonia	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Nervous system disorders	1 (14.3%) [1]	1 (33.3%) [4]	2 (20.0%) [5]
Cerebrovascular Accident	1 (14.3%) [1]	0 (0.0%) [0]	1 (10.0%) [1]
Generalised Tonic-Clonic Seizure	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Haemorrhage Intracranial	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Hemianopia	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]
Transverse Sinus Thrombosis	0 (0.0%) [0]	1 (33.3%) [1]	1 (10.0%) [1]