



Clinical trial results: A Phase I/II Study of Lenalidomide in Patients with Chronic Myelomonocytic Leukemia Summary

EudraCT number	2009-017147-33
Trial protocol	AT
Global end of trial date	08 February 2016

Results information

Result version number	v1
This version publication date	25 February 2017
First version publication date	25 February 2017

Trial information

Trial identification

Sponsor protocol code	AGMT_CMML1
-----------------------	------------

Additional study identifiers

ISRCTN number	-
ClinicalTrials.gov id (NCT number)	NCT01368757
WHO universal trial number (UTN)	-

Notes:

Sponsors

Sponsor organisation name	AGMT
Sponsor organisation address	Gentzgasse 60/20, Wien, Austria, 1180
Public contact	Daniela Wolkersdorfer, AGMT gemeinnützige GmbH, +43 6641422504, d.wolkersdorfer@agmt.at
Scientific contact	Richard Greil, AGMT gemeinnützige GmbH, +43 00435725525801, r.greil@salk.at

Notes:

Paediatric regulatory details

Is trial part of an agreed paediatric investigation plan (PIP)	No
Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial?	No
Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial?	No

Notes:

Results analysis stage

Analysis stage	Final
Date of interim/final analysis	08 February 2016
Is this the analysis of the primary completion data?	Yes
Primary completion date	08 February 2016
Global end of trial reached?	Yes
Global end of trial date	08 February 2016
Was the trial ended prematurely?	No

Notes:

General information about the trial

Main objective of the trial:

Phase I:

The primary objective of the phase I trial is to determine the MTD (maximum tolerated dose) of lenalidomide.

Phase II:

The primary objective of the phase II trial is to determine the hematologic response achieved with lenalidomide administered in subjects at the MTD determined in phase I.

Protection of trial subjects:

Safety assessments were done weekly in cycle 1, every second week in cycle 2 and on day 1 of the following cycles.

Patients were counselled before each cycle of Lenalidomide e.g. about pregnancy precautions and the potential risks of fetal exposure to Lenalidomide.

Background therapy:

None.

Evidence for comparator: -

Actual start date of recruitment	14 July 2010
Long term follow-up planned	No
Independent data monitoring committee (IDMC) involvement?	No

Notes:

Population of trial subjects

Subjects enrolled per country

Country: Number of subjects enrolled	Austria: 20
Worldwide total number of subjects	20
EEA total number of subjects	20

Notes:

Subjects enrolled per age group

In utero	0
Preterm newborn - gestational age < 37 wk	0
Newborns (0-27 days)	0
Infants and toddlers (28 days-23 months)	0
Children (2-11 years)	0

Adolescents (12-17 years)	0
Adults (18-64 years)	3
From 65 to 84 years	17
85 years and over	0

Subject disposition

Recruitment

Recruitment details:

Between July 2010 and January 2014 20 patients were recruited at 8 sites in Austria. Patients were enrolled using a traditional "3+3 " design. Due to the very prolonged recruitment period in phase I, it was discussed and decided not to start phase II of the study. No further patients will be enrolled into AGMT_CMML 1.

Pre-assignment

Screening details:

Eligible patients had a confirmed diagnosis of CMML according to the WHO criteria. Pretreatment was permitted.

Period 1

Period 1 title	Overall trial (overall period)
Is this the baseline period?	Yes
Allocation method	Non-randomised - controlled
Blinding used	Not blinded

Arms

Are arms mutually exclusive?	Yes
------------------------------	-----

Arm title	Cohort 5 mg
------------------	-------------

Arm description:

Daily dose of lenalidomide: 5 mg.

Arm type	Experimental
Investigational medicinal product name	Lenalidomide
Investigational medicinal product code	
Other name	Revlimid
Pharmaceutical forms	Capsule, hard
Routes of administration	Oral use

Dosage and administration details:

Lenalidomide (5 mg) was administered daily in a 28 days cycle. All subjects were planned to continue on study drug until disease progression, unacceptable toxicity or treatment discontinuation for any other reason.

Arm title	Cohort 10 mg
------------------	--------------

Arm description:

Daily dose of lenalidomide: 10 mg.

Arm type	Experimental
Investigational medicinal product name	Lenalidomide
Investigational medicinal product code	
Other name	Revlimid
Pharmaceutical forms	Capsule, hard
Routes of administration	Oral use

Dosage and administration details:

Lenalidomide (10 mg) was administered daily in a 28 days cycle. All subjects were planned to continue on study drug until disease progression, unacceptable toxicity or treatment discontinuation for any other reason.

Arm title	Cohort 15 mg
------------------	--------------

Arm description:

Daily dose of lenalidomide: 15 mg.

Arm type	Experimental
----------	--------------

Investigational medicinal product name	Lenalidomide
Investigational medicinal product code	
Other name	Revlimid
Pharmaceutical forms	Capsule, hard
Routes of administration	Oral use

Dosage and administration details:

Lenalidomide (15 mg) was administered daily in a 28 days cycle. All subjects were planned to continue on study drug until disease progression, unacceptable toxicity or treatment discontinuation for any other reason.

Number of subjects in period 1	Cohort 5 mg	Cohort 10 mg	Cohort 15 mg
Started	6	6	8
Completed	2	2	1
Not completed	4	4	7
Adverse event, serious fatal	-	-	2
Adverse event, non-fatal	4	4	5

Baseline characteristics

Reporting groups

Reporting group title	Overall trial
Reporting group description: -	

Reporting group values	Overall trial	Total	
Number of subjects	20	20	
Age categorical			
Units: Subjects			
In utero		0	
Preterm newborn infants (gestational age < 37 wks)		0	
Newborns (0-27 days)		0	
Infants and toddlers (28 days-23 months)		0	
Children (2-11 years)		0	
Adolescents (12-17 years)		0	
Adults (18-64 years)		0	
From 65-84 years		0	
85 years and over		0	
Age continuous			
Units: years			
median	72		
full range (min-max)	59 to 81	-	
Gender categorical			
Units: Subjects			
Female	3	3	
Male	17	17	

End points

End points reporting groups

Reporting group title	Cohort 5 mg
Reporting group description: Daily dose of lenalidomide: 5 mg.	
Reporting group title	Cohort 10 mg
Reporting group description: Daily dose of lenalidomide: 10 mg.	
Reporting group title	Cohort 15 mg
Reporting group description: Daily dose of lenalidomide: 15 mg.	

Primary: Evaluation of maximum tolerated dose (MTD)

End point title	Evaluation of maximum tolerated dose (MTD) ^[1]
End point description: The MTD (maximum tolerated dose) of lenalidomide is defined as the highest dose level at which no more than 1 out of 6 subjects experience a dose-limiting toxicity (DLT) during the first cycle of administration. Dose limiting toxicity is defined as inability to deliver lenalidomide in cycle 1 due to drug related toxicity as outlined below: <ul style="list-style-type: none">o any grade 3/4 non-hematologic toxicity (excluding alopecia)o febrile neutropeniao any grade 4 neutropenia lasting for ≥ 7 dayso grade 4 thrombocytopenia	
End point type	Primary
End point timeframe: 28 days End of cycle 1 of each patient	

Notes:

[1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: No statistical analysis is provided as this is an one armed, open label, non-comperative study.

Two out of 6 patients each in the 10 mg cohort and the 15 mg cohort developed DLTs. Therefore 5 mg lenalidomide was identified as the MTD.

End point values	Cohort 5 mg	Cohort 10 mg	Cohort 15 mg	
Subject group type	Reporting group	Reporting group	Reporting group	
Number of subjects analysed	6	6	6	
Units: Patients				
DLT in cycle 1	0	2	2	
No DLT in cycle 1	6	4	4	

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

All patients having received at least one dose of the study medication were followed for adverse events from treatment start to 28 days after discontinuing study treatment or completion of study.

Adverse event reporting additional description:

Laboratory test value abnormalities as such were not reported on the AE page of the CRF as adverse events, unless there was an associated clinical condition for which the patient was given treatment or concomitant treatment altered, it was considered to be a serious adverse event, or the patient was permanently discontinued from study drug.

Assessment type	Systematic
-----------------	------------

Dictionary used

Dictionary name	MedDRA
-----------------	--------

Dictionary version	17.1
--------------------	------

Reporting groups

Reporting group title	Overall trial
-----------------------	---------------

Reporting group description: -

Serious adverse events	Overall trial		
Total subjects affected by serious adverse events			
subjects affected / exposed	14 / 20 (70.00%)		
number of deaths (all causes)	2		
number of deaths resulting from adverse events	1		
Neoplasms benign, malignant and unspecified (incl cysts and polyps)			
Blastic plasmacytoid dendritic cell neoplasia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Squamous cell carcinoma			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	1 / 1		
deaths causally related to treatment / all	0 / 0		
Vascular disorders			
Hypersensitivity vasculitis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	1 / 1		
deaths causally related to treatment / all	0 / 0		
Pulmonary hypertension			

subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 2		
deaths causally related to treatment / all	0 / 0		
Temporal arteritis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
General disorders and administration site conditions			
General physical health deterioration			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Respiratory, thoracic and mediastinal disorders			
Dyspnoea			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Epistaxis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 2		
deaths causally related to treatment / all	0 / 0		
Pneumonia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Psychiatric disorders			
Depression			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Investigations			
Alanine aminotransferase increased			

subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Cardiac disorders			
Angina pectoris			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Atrial tachycardia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Cardiac failure			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 2		
deaths causally related to treatment / all	0 / 0		
Cyanosis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Supraventricular tachycardia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Nervous system disorders			
Headache			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Blood and lymphatic system disorders			
Anaemia			
subjects affected / exposed	2 / 20 (10.00%)		
occurrences causally related to treatment / all	0 / 3		
deaths causally related to treatment / all	0 / 0		

Disseminated intravascular coagulation			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	1 / 1		
deaths causally related to treatment / all	0 / 0		
Neutropenia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	1 / 1		
deaths causally related to treatment / all	0 / 0		
Thrombocytopenia			
subjects affected / exposed	2 / 20 (10.00%)		
occurrences causally related to treatment / all	2 / 2		
deaths causally related to treatment / all	0 / 0		
Gastrointestinal disorders			
Abdominal pain			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	1 / 1		
deaths causally related to treatment / all	0 / 0		
Rectal tenesmus			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	1 / 1		
deaths causally related to treatment / all	0 / 0		
Skin and subcutaneous tissue disorders			
Swelling face			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Renal and urinary disorders			
Renal impairment			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	1 / 1		
deaths causally related to treatment / all	0 / 0		
Urinary retention			

subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Infections and infestations			
Atypical pneumonia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Infection			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Sepsis			
subjects affected / exposed	3 / 20 (15.00%)		
occurrences causally related to treatment / all	2 / 3		
deaths causally related to treatment / all	1 / 2		
Metabolism and nutrition disorders			
Diabetes mellitus			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		

Frequency threshold for reporting non-serious adverse events: 0 %

Non-serious adverse events	Overall trial		
Total subjects affected by non-serious adverse events			
subjects affected / exposed	20 / 20 (100.00%)		
Neoplasms benign, malignant and unspecified (incl cysts and polyps)			
Rectal polyp			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Vascular disorders			
Angiopathy			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		

Carotid arteriosclerosis subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Gingival bleeding subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Haematochezia subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Haematoma subjects affected / exposed occurrences (all)	3 / 20 (15.00%) 3		
Haemorrhagic vasculitis subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Surgical and medical procedures Lipoma excision subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
General disorders and administration site conditions Chest pain subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Fatigue subjects affected / exposed occurrences (all)	7 / 20 (35.00%) 11		
Injection site erythema subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Mucosal inflammation subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2		
Night sweats subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 4		
Oedema			

subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2		
Oedema peripheral subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 3		
Pyrexia subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 15		
Reproductive system and breast disorders Cervix disorder subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Respiratory, thoracic and mediastinal disorders Bronchitis bacterial subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Epistaxis subjects affected / exposed occurrences (all)	5 / 20 (25.00%) 6		
Productive cough subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Respiratory distress subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Respiratory failure subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Rhinitis subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 2		
Sinusitis subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Dyspnoea			

<p>subjects affected / exposed occurrences (all)</p> <p>Dyspnoea exertional subjects affected / exposed occurrences (all)</p>	<p>2 / 20 (10.00%) 2</p> <p>1 / 20 (5.00%) 1</p>		
<p>Psychiatric disorders</p> <p>Anxiety subjects affected / exposed occurrences (all)</p> <p>Mental disorder subjects affected / exposed occurrences (all)</p>	<p>1 / 20 (5.00%) 1</p> <p>1 / 20 (5.00%) 1</p>		
<p>Investigations</p> <p>Alanine aminotransferase increased subjects affected / exposed occurrences (all)</p> <p>Blood creatinine increased subjects affected / exposed occurrences (all)</p> <p>Blood uric acid increased subjects affected / exposed occurrences (all)</p> <p>Chlamydia test positive subjects affected / exposed occurrences (all)</p> <p>C-reactive protein increased subjects affected / exposed occurrences (all)</p> <p>Gamma-glutamyltransferase increased subjects affected / exposed occurrences (all)</p>	<p>1 / 20 (5.00%) 1</p>		
<p>Injury, poisoning and procedural complications</p> <p>Animal bite subjects affected / exposed occurrences (all)</p> <p>Ligament sprain</p>	<p>1 / 20 (5.00%) 1</p>		

subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Vaccination complication subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Cardiac disorders Atrial fibrillation subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Tachycardia subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Tricuspid valve disease subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Nervous system disorders Carpal tunnel syndrome subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Dysgeusia subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Headache subjects affected / exposed occurrences (all)	3 / 20 (15.00%) 3		
Insomnia subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Neuropathy peripheral subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Paraesthesia subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2		
Polyneuropathy			

subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 2		
Tremor subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Blood and lymphatic system disorders			
Anaemia subjects affected / exposed occurrences (all)	4 / 20 (20.00%) 7		
Febrile neutropenia subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Leukocytosis subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Leukopenia subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 6		
Lymphopenia subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Neutropenia subjects affected / exposed occurrences (all)	6 / 20 (30.00%) 8		
Thrombocytopenia subjects affected / exposed occurrences (all)	10 / 20 (50.00%) 27		
Ear and labyrinth disorders			
Hypoacusis subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 2		
Vertigo subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2		
Eye disorders			

Cataract			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Chorioretinal disorder			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	2		
Macular degeneration			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Gastrointestinal disorders			
Abdominal pain			
subjects affected / exposed	2 / 20 (10.00%)		
occurrences (all)	2		
Abdominal pain upper			
subjects affected / exposed	2 / 20 (10.00%)		
occurrences (all)	2		
Ascites			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Constipation			
subjects affected / exposed	5 / 20 (25.00%)		
occurrences (all)	7		
Diarrhoea			
subjects affected / exposed	4 / 20 (20.00%)		
occurrences (all)	9		
Dry mouth			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Dyspepsia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Epigastric discomfort			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Gastroenteritis			

subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Gastrointestinal disorder subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Gastrointestinal hypermotility subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Gastrointestinal infection subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Herpes simplex subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Ileal ulcer subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Nausea subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2		
Oral mucosa haematoma subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Rectal tenesmus subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Vomiting subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Hepatobiliary disorders Cholelithiasis subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Hyperbilirubinaemia subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 3		

Skin and subcutaneous tissue disorders			
Actinic elastosis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Erythema			
subjects affected / exposed	2 / 20 (10.00%)		
occurrences (all)	2		
Hypersensitivity vasculitis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Petechiae			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Pruritus			
subjects affected / exposed	3 / 20 (15.00%)		
occurrences (all)	3		
Psoriasis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Rash			
subjects affected / exposed	3 / 20 (15.00%)		
occurrences (all)	5		
Rosacea			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Skin lesion			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Skin plaque			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Skin ulcer			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Renal and urinary disorders			

Nocturia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Renal pain			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Cough			
subjects affected / exposed	4 / 20 (20.00%)		
occurrences (all)	6		
Musculoskeletal and connective tissue disorders			
Arthralgia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Bursitis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Joint swelling			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Muscle spasms			
subjects affected / exposed	2 / 20 (10.00%)		
occurrences (all)	3		
Musculoskeletal chest pain			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Musculoskeletal pain			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Myalgia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Sciatica			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Sjogren's syndrome			

subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1		
Infections and infestations			
Conjunctivitis			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Nasopharyngitis			
subjects affected / exposed	4 / 20 (20.00%)		
occurrences (all)	10		
Pneumonia			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Respiratory tract infection			
subjects affected / exposed	2 / 20 (10.00%)		
occurrences (all)	2		
Transfusion reaction			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	2		
Bronchitis			
subjects affected / exposed	3 / 20 (15.00%)		
occurrences (all)	3		
Metabolism and nutrition disorders			
Decreased appetite			
subjects affected / exposed	3 / 20 (15.00%)		
occurrences (all)	3		
Folate deficiency			
subjects affected / exposed	1 / 20 (5.00%)		
occurrences (all)	1		
Hyperuricaemia			
subjects affected / exposed	2 / 20 (10.00%)		
occurrences (all)	3		
Hypokalaemia			
subjects affected / exposed	3 / 20 (15.00%)		
occurrences (all)	4		

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? No

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported