

Title: A Phase 2, Open-Label, Single-Arm Study of Cabozantinib in Japanese Patients With Advanced Hepatocellular Carcinoma Who Have Received Prior Systemic Anticancer Therapy

NCT Number: NCT03586973 Statistical analysis plan Approve Date: 05-SEP-2019

Certain information within this Statistical analysis plan has been redacted (ie, specific content is masked irreversibly from view with a black/blue bar) to protect either personally identifiable information or company confidential information.

This may include, but is not limited to, redaction of the following:

- Named persons or organizations associated with the study.
- Patient identifiers within the text, tables, or figures or in by-patient data listings.
- Proprietary information, such as scales or coding systems, which are considered confidential information under prior agreements with license holder.
- Other information as needed to protect confidentiality of Takeda or partners, personal information, or to otherwise protect the integrity of the clinical study.

If needed, certain appendices that contain a large volume of personally identifiable information or company confidential information may be removed in their entirety if it is considered that they do not add substantially to the interpretation of the data (eg, appendix of investigator's curriculum vitae).



STATISTICAL ANALYSIS PLAN

STUDY NUMBER: Cabozantinib-2003

pplicable terms of Use A Phase 2, Open-Label, Single-Arm Study of Cabozantinib in Japanese Patients With Advanced Hepatocellular Carcinoma Who Have Received Prior Systemic Anticancer Therapy

PHASE 2

subject Version: 2

Ó,

Date: 5 September 2019

Property of Tak

propend of takeds, For non-commercial use only and subject to the applicable terms of use

		Page 3 of 64 ember 2019
2.0	TABLE OF CONTENTS	
1.0	TITLE PAGE	1
1.	1 Approval Signatures	2
2.0		
L	TABLE OF CONTENTS st of In-Text Tables	
3.0	LIST OF ABBREVIATIONS	
4.0	OBJECTIVES	2 7
4.	OBJECTIVES Primary Objective Secondary Objectives Safety Objective	7
4.	2 Secondary Objectives	7
4.	3 Safety Objective	7
4.	4 Additional Objectives	7
4.	 Safety Objective Additional Objectives Study Design ANALYSIS ENDPOINTS DETERMINATION OF SAMPLE SIZE 	7
5.0	ANALYSIS ENDPOINTS	9
6.0	DETERMINATION OF SAMPLE SIZE	
7.0		
7.	1 General Principles	11
	 7.1.1 Study Definitions. 7.1.2 Definition of Study Days 	11
	7.1.2 Definition of Study Days	
	7.1.3 Definition of Study Visit Windows	
	7.1.4 Significance Level and Confidence Coefficient	13
	7.1.5 Conventions for Missing Adverse Event Dates	14
	7.1.6 Conventions for Missing Concomitant Medication Dates	14
	7.1.7 Imputation of Other Incomplete Dates	14
7.		
7.	3 Disposition of Subjects	15
	7.3.1 Study Information	
	7.3.2 Screen Failures	15
	7.3.3 Subject Eligibility	
	7.34 Number of Subjects Enrolled into the Treatment Period by Site	
	7.3.5 Disposition of Subjects	
7. 7. 7. 7.	7.3.6 Protocol Deviations and Analysis Sets	
07.		
7.		
7.		
7.		

Cabozantii Statistical	nib-2003 Analysis Plan Version 2	Page 4 of 64 5 September 2019
7.8	Prior Non-Surgical Anticancer Therapy	
7.9	Concomitant and Subsequent Anticancer Therapy	
7.10	Study Drug Exposure and Compliance	
7.11	Dose Modification Efficacy Analysis	
7.12	Efficacy Analysis	
7.	12.1 Primary Endpoint	
7.	12.2 Secondary Endpoints	
7.	12.3 Additional Endpoints	
7.	 12.1 Primary Endpoint. 12.2 Secondary Endpoints . 12.3 Additional Endpoints . 12.4 Statistical/Analytical Issues	
7.13	Safety Analysis	
7.	13.1 Adverse Events	
7.	 13.1 Adverse Events. 13.2 Clinical Laboratory Evaluations. 13.3 Vital Signs and Weight. 13.4 12-Lead ECGs. 13.5 Other Observations Related to Safety. Interim Analysis Changes in the Statistical Analysis Plan EFERENCES PPENDIX. 	
7.	13.3 Vital Signs and Weight	
7.	13.4 12-Lead ECGs	
7.	13.5 Other Observations Related to Safety	
7.14	Interim Analysis	
7.15	Changes in the Statistical Analysis Plan	
8.0 R	EFERENCES	
0.0 A	PPENDIX	
9.1	Criteria for Clinically Significant Abnormal Values	
9.2	Criteria for Elevated Liver Enzyme and Elevated Serum Creatinine.	
9.3	Definition of Treatment Emergent Adverse Events to Monitor	
9.4	Statistical Analysis Plan Version 2 Summary of Changes	

LIST OF IN-TEXT TABLES

	Table 7.a	Visit Window for Endpoints Other Than AFP, Bone Specific ALP and Plasma	
		Concentrations of Cabozantinib	. 13
		*Visit Window for AFP and Bone Specific ALP	. 13
	Table 7.0	Visit Window for Plasma Concentrations of Cabozantinib	. 13
	Table 9.a	Clinically Significant Abnormal Value Criteria for Laboratory Parameters	. 52
	Table 9.b	Clinically Significant Abnormal Value Criteria for Vital Sign Parameters	. 53
X	Table 9.c	Clinically Significant Abnormal Value Criteria for ECG Parameters	. 53
Propert	Table 9.d	Criteria for Elevated Liver Enzyme	. 53
NOK	Table 9.e	Criteria for Elevated Serum Creatinine	. 55
X.			

3.0 LIST OF ABBREVIATIONS

	3.0 LIST OF ABBRE	Aviations adverse event alpha-fetoprotein albumin-bilirubin grade alkaline phosphatase alanine aminotransferase absolute neutrophil count activated partial thromboplastin time aspartate aminotransferase body mass index blood urea nitrogen confidence interval complete response computerized tomography Common Terminology Criteria for Adverse Events
	AE	adverse event
	AFP	alpha-fetoprotein O
	ALBI Grade	albumin-bilirubin grade
	ALP	alkaline phosphatase
	ALT	alanine aminotransferase
	ANC	absolute neutrophil count
	APTT	activated partial thromboplastin time
	AST	aspartate aminotransferase
	BMI	body mass index
	BUN	blood urea nitrogen
ł	CI	confidence interval
	CR	complete response
	СТ	computerized tomography
	CTCAE	Common Terminology Criteria for Adverse Events
1	CV	coefficient of variation diastolic blood pressure disease control rate
	DBP	diastolic blood pressure
	DCR	
	EBRT	external beam radiation therapy
	ECG	electrocardiogram
	ECOG	Eastern Cooperative Oncology Group
	eCRF	electronic case report form
	EQ-5D-5L	EuroQol Health questionnaire instrument
	EQ VAS	EuroQol visual analogue scale
	FAS	full analysis set
	GCP	Good Clinical Practice
	GGT	γ-glutamyl transferase (gamma-glutamyl transferase)
	GI	gastrointestinal
	HBsAg	hepatitis B surface antigen
	нсс	hepatocellular carcinoma
	HCVAb	hepatitis C virus antibody
	HRQOL	health-related quality of life
	ICF	informed consent form
	IGRT	image-guided radiation therapy
	IMRT	intensity-modulated radiation therapy
	IRC	independent radiology committee
	LDH	lactate dehydrogenase
	MedDRA	Medical Dictionary for Regulatory Activities
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	MRI	magnetic resonance imaging
05	NASH	nonalcoholic steatohepatitis
×	ORR	objective response rate

(	OS	overall survival progressive disease programmed death-1 programmed death ligand 1/ ligand 2 progression-free survival progression-free survival rate pharmacokinetic(s) palmar-plantar erythrodysesthesia syndrome (hand-foot syndrome) partial response performance status preferred term prothrombin time international normalized ratio pretreatment event once daily time interval in ECG reading corrected QT interval by the Fridericia formula
Η	PD	progressive disease
I	PD-1	programmed death-1
Η	PD-L1/L2	programmed death ligand 1/ ligand 2
Η	PFS	progression-free survival
Η	PFSR	progression-free survival rate
I	РК	pharmacokinetic(s)
I	PPES	palmar-plantar erythrodysesthesia syndrome (hand-foot syndrome)
I	PR	partial response
I	PS	performance status
I	PT	preferred term
I	PT-INR	prothrombin time international normalized ratio
I	РТЕ	pretreatment event
(	QD	once daily
(	QT	time interval in ECG reading
(	QTcF	corrected QT interval by the Fridericia formula
I	RBC	red blood cell
I	RECIST 1.1	Response Evaluation Criteria In Solid Tumors Version 1.1
I	RPLS	reversible posterior leukoencephalopathy syndrome
S	SBP	systolic blood pressure
S	SD	stable disease
S	SOC	system organ class
S	SRS	stereotactic radiosurgery
]	ΓEAEs	treatment-emergent adverse events
]	ГSH	thyroid-stimulating hormone
τ	ULN	upper limit of normal
τ	UPCR	urine protein-to-creatinine ratio
V	WBC	white blood cell
V	WHO	world health organization
2	XL184	research name for investigational product cabozantinib
2	2DXRT	conventional external beam radiation therapy
3	3DCRT	3-dimensional conformal radiation therapy
	WHO XL184 2DXRT 3DCRT 5T 2Keda.	
(	Š.	
Ex	-	
el"		
. 0Y		
2		
*		

#### 4.0 **OBJECTIVES**

#### 4.1 **Primary Objective**

Jerms of Use The primary objective is to evaluate the efficacy of cabozantinib measured by IRC-assessed 24-week PFSR per RECIST 1.1 in Japanese patients with advanced HCC who have received prior sorafenib. 2018

#### 4.2 **Secondary Objectives**

The secondary objectives are:

- To evaluate the efficacy of cabozantinib measured by IRC-assessed PFS per RECIST 1.1 in the patient population under study.
- To evaluate the efficacy of cabozantinib measured by IRC-assessed ORR per RECIST 1.1 in the patient population under study.
- To evaluate the efficacy of cabozantinib measured by IRC-assessed DCR per RECIST 1.1 in the patient population under study.
- To evaluate the efficacy of cabozantinib measured by OS in the patient population under study. only

#### 4.3 **Safety Objective**

The safety objective is:

To evaluate the safety of cabozantinib in the patient population under study.

#### **Additional Objectives** 4.4

The additional objectives are

- To evaluate the efficacy of cabozantinib measured by investigator-assessed PFS, ORR, and DCR per RECIST 1.1 in the patient population under study.
- To characterize the plasma PK of cabozantinib in the patient population under study.
- To assess HRQOL by the EQ-5D-5L in the patient population under study.
- To explore candidate biomarkers predictive of response to cabozantinib.
- To explore possible candidate biomarkers predictive of safety of treatment with cabozantinib.

## **Study Design**

This is a phase 2, open-label, single-arm study to evaluate the efficacy—as measured by 24-week PFSR and other efficacy variables including PFS, ORR, DCR, and OS-and safety of cabozantinib in Japanese patients with advanced HCC who have received prior systemic anticancer therapy (Cohort A: patients who have received prior sorafenib, Cohort B: patients who have not received prior sorafenib).

## Screening Period

The of Use Potential subjects will be screened to determine if they meet the required eligibility criteria after informed consent. Qualifying screening assessments must be performed within 28 days before the first day of study drug administration (defined as Week 1 Day 1) unless otherwise specified.

## **Treatment Period**

Subjects who meet all study eligibility criteria will receive cabozantinib 60 mg orally, QD in the fasted state (dose at least 2 hours after meal, and no more food intake for 1 hour postdose), preferably at bedtime. A subject is considered to be enrolled in the study when the first dose of study drug will be administered.

Subjects will receive study treatment as long as they continue to experience clinical benefit in the opinion of the investigator or until there is unacceptable toxicity or the need for subsequent systemic anticancer treatment or liver directed local anticancer therapy, or until there are any other reasons for treatment discontinuation listed in the protocol. Treatment may continue after radiographic HCC progression per RECIST 1.1 as long as the investigator believes that the subject is still receiving clinical benefit from study treatment and that the potential benefit of continuing study treatment outweighs potential risks. However the subject should discontinue study treatment after the second determination of disease progression.

## Posttreatment Period

A 30-day posttreatment followup visit for safety will occur 30 (+14) days after the last dose of study drug or until the start of subsequent systemic anticancer treatment, whichever occurs first. Radiographic tumor assessments, Child-Pugh assessments, AFP assessments, and HROOL assessments will continue, regardless of whether study treatment is given, reduced, held or discontinued until the day of the last tumor imaging assessment. Subjects will be contacted every 8 weeks (±7 days) after the 30-day posttreatment followup visit to assess survival status and eq ., or the ., document receipt of subsequent anticancer therapy. Subjects will be followed until death, withdrawal of consent, or the sponsor decision to discontinue collection of these data in the

## 5.0 ANALYSIS ENDPOINTS

#### Primary Endpoint

• 24-week PFSR, per RECIST 1.1, by IRC.

#### Secondary Endpoints

- PFS, per RECIST 1.1, by IRC.
- ORR, per RECIST 1.1, by IRC.
- DCR, per RECIST 1.1, by IRC.
- OS.

#### Safety Endpoints

- TEAEs.
- Grade 3 or higher TEAEs.
- Serious TEAEs.
- Permanent discontinuation by TEAEs.
- Dose modification (dose reduction or interruption) by TEAEs.
- Clinically significant abnormal laboratory values.
- Clinically significant abnormal vital sign measurements.

## Additional Endpoints

- PFS, per RECIST 1.1, by investigator.
- ORR, per RECIST 1.1 by investigator.
- DCR, per RECIST 1.1, by investigator.
- Plasma concentrations of cabozantinib.
- HRQOL assessed by the EQ-5D-5L.
- Efficacy biomarker(s).

Candidate biomarkers that may include, but are not limited to, plasma biomarkers associated with study treatment and/or clinical outcome.

- Associated with study treated with stu
  - Association of genetic polymorphisms in genes encoding drug-metabolizing enzymes and/or transporters with study treatment and/or clinical outcome.

This study will enroll at least 17 subjects who have received prior sorafenib in Cohort A. In addition, for better understanding of the efficacy and safety profile of cabozantinib in Japanese patients, similar number of subjects who have received prior sorafenib in Cohort A and who have not received prior sorafenib in Cohort B will be enrolled, resulting in approximately 32 subjects

Property of Takeda. For non-commercial use on Ward subject to

#### 7.0 **METHODS OF ANALYSIS AND PRESENTATION**

#### 7.1 **General Principles**

#### 7.1.1 **Study Definitions**

The following definitions and calculation formulas will be used.

- ermsofuse Descriptive statistics: Number of subjects, mean, standard deviation, maximum, minimum, and quartiles.
- Cohort: Cohort A (subjects who have received prior sorafenib) and cohort B (subjects who have not received prior sorafenib).
- BMI  $(kg/m^2)$ : Weight  $(kg) / height (m)^2$ .
- Visceral (excluding Liver): Gastrointestinal tract, kidney, lung, spleen, adrenal gland and pancreas.
- Neutrophil-Lymphocyte Ratio: ANC (/µL) / lymphocytes (/µL)
- ALBI Grade: Derived from ALBI score [log₁₀(total bilirubin (µmol/L))*0.66 albumin (g/L)*0.085] as the following:
  - Grade 1: ALBI score  $\leq$  -2.60.
  - Grade 2: -2.60 < ALBI score < -1.39
  - Grade 3: ALBI score > -1.39.
- Medical History: Any disease recorded on the eCRF "Medical History/Medical Conditions" page whose status at informed consent is "Resolved."
- Concurrent Medical Conditions: Any disease recorded on the eCRF "Medical History/Medical Conditions" page whose status at informed consent is "Ongoing."
- Concomitant Medication: Concomitant medication is defined as medication used during the period from the time of the signing of ICF through 30 days after the last dose of study drug.
- Agent Targeting PD-1, PD-L1/L2: Medications whose preferred name coded by WHO Drug dictionary is ATEZOLIZUMAB, AVELUMAB, DURVALUMAB, NIVOLUMAB, PEMBROLIZUMAB or BGB A317.
- Duration of Exposure to Study Drug (months): (Date of decision to discontinue study drug date of the first dose of study drug + 1) / 30.4375 if date of decision to discontinue study drug is non-missing; otherwise (Date of data cutoff – date of the first dose of study drug + 1) / 30.4375.
- Average Daily Dose (mg): Total dose received (mg) / duration of exposure to study drug (days).
- Dose Intensity (%): 100 * average daily dose (mg) / 60 mg.

- TermsofUse Duration of Treatment (months): (Date of decision to discontinue study drug – date of the first dose of study drug – total duration of dose interruptions +1)/30.4375 if date of decision to discontinue study drug is non-missing; otherwise (Date of data cutoff – date of the first dose of study drug – total duration of dose interruptions +1 / 30.4375.
- Dose Modification: Dose reduction or interruption.
- CV (%): Standard deviation / mean * 100.
- TEAE: An AE whose date of onset occurs on or after the start of study drug and within 30 days after the last dose of study drug.
- PTE: Any untoward medical occurrence in a clinical investigation subject who has signed informed consent to participate in a study but prior to administration of study drug.
- Thrombotic Events: Arterial thrombotic events, and venous and mixed/unspecified thrombotic events.
- Toxicity Grade of 0 for Laboratory Parameters: Grade 0 will be assigned to non-missing values that do not meet the criteria for Grade 1 or higher in the direction of interest.

## 7.1.2 Definition of Study Days

The following definitions and calculation formulas will be used.

- Study Day: The day before the first dose of the study drug will be defined as Study Day -1 and the day of the first dose will be defined as Study Day 1. When calculating Study Day relative to a reference date (ie, date of first dose [Study Day 1]), if the date of the observation is on the same date or after the reference date, it will be calculated as: date of observation reference date + 1: otherwise, it will be calculated as: date of observation - reference date. There is no Study Day 0. Month and year are operationally defined to be 30.4375 days and 365.25 days, respectively,
- Followup Day: The day after the last dose of study drug will be defined as Followup Day 1. When calculating Followup Day relative to a reference date (ie, date of last dose [Followup Day 0]), it will be calculated as: date of observation - reference date.

## 7.1.3 Definition of Study Visit Windows

All evaluable data will be handled according to the following rules.

For each visit, observation obtained in the corresponding time interval will be used. If more than one observation lies within the same visit window, the observation with the closest Study Day to the scheduled Study Day will be used. If there are two observations equidistant to the scheduled Study Day, the later observation will be used.

Specifically, the last observation before the first dose of the study drug will be considered the baseline measurement.

# Table 7.aVisit Window for Endpoints Other Than AFP, Bone Specific ALP and<br/>Plasma Concentrations of Cabozantinib

		Time Interval	
Visit	Scheduled Study Day	Study Day	Follow-up Day
Baseline	Study Day: 1	<= 1	
Week X Day 1	Study Day: 7 * (X - 1) + 1	<ul> <li>Week 3 – Week 9: Scheduled Study Day ±5</li> <li>Week 9 Beyond: Scheduled Study Day ±7</li> </ul>	<30
30-Day Posttreatment Followup	Followup Day: 30	- Alexandree	30 - 44
		ile ile	

хO

## Table 7.bVisit Window for AFP and Bone Specific ALP

		Time Interval	-
Visit	Scheduled Study Day	Study Day	Follow-up Day
Baseline	Study Day: 1	<= 1	
Week X Day 1	Study Day: 7 * (X - 1) + 1	<ul> <li>Week 3 – Week 9: Scheduled Study Day ±5</li> <li>Week 9 Beyond: Scheduled Study Day ±7</li> </ul>	

## Table 7.c Visit Window for Plasma Concentrations of Cabozantinib

			terval
Visit/Time point			Time from Previous Dose of Study Drug
Week 1 Day 1 Predose	Study Day: 1	1	Before the First Dose
Week 1 Day 1 3 Hours Postdose	Study Day: 1	1	2.5 – 3.5 Hours
Week 3 Day 1	Study Day: 15	Scheduled Study Day ±2	>7 Hours
Week 5 Day 1	Study Day: 29	Scheduled Study Day ±2	>7 Hours
Week 9 Day 1	Study Day: 57	Scheduled Study Day ±2	>7 Hours

## 7.1.4 Significance Level and Confidence Coefficient

Confidence coefficient:

Property

- Analyses for 24-week PFSR: 90% (two-sided).
- Analyses for other endpoints: 95% (two-sided).

## 7.1.5 Conventions for Missing Adverse Event Dates

Not applicable.

## 7.1.6 Conventions for Missing Concomitant Medication Dates

Not applicable.

#### 7.1.7 Imputation of Other Incomplete Dates

- Incomplete initial diagnosis date of HCC.
  - If day and month are missing, set to July  $1^{st}$ .
  - If only day is missing, set to 15th of the month.
- applicable terms of Use If either imputation rule above results in diagnosis date  $\geq$  date of informed consent, set to date of informed consent -1.
- Incomplete start date of prior anticancer therapy.
  - If month and day are missing, set to January 1st.
  - If only day is missing, set to 1st day of the month
- Incomplete end date of prior anticancer therapy,
  - If month and day are missing, set to December 31st.
  - If only day is missing, set to last day of the month.
  - If either imputation rule above results in end date  $\geq$  date of informed consent, set to date of informed consent -1.
- Incomplete start date of concomitant and subsequent anticancer therapy.
  - If month and day are missing, set to January 1st if year of the start date of the anticancer therapy > year of the last dose of study drug; set to date of the last dose + 1 if year of the start date of the anticancer therapy = year of the last dose of study drug.
  - If only day is missing, set to 1st day of the month if the resulting imputed date > date of the last dose of study drug; otherwise set to date of the last dose + 1.

* If PD date per RECIST 1.1 is available and after the last dose of study drug, replace the date of the last dose of study drug with the PD date for the above imputation algorithm.

## **Analysis Sets**

FAS:

All subjects who received at least one dose of study drug.

Safety analysis set: All subjects who received at least one dose of study drug.

#### 7.3 **Disposition of Subjects**

#### 7.3.1 **Study Information**

Analysis Set:

All Subjects Who Signed the Informed Consent Form.

Analysis Variables:

Date First Subject Signed Informed Consent Form

Date of Data Cutoff

MedDRA Version

WHO Drug Version

SAS Version Used for Creating the Datasets

Analytical Methods:

(1) Study Information

ethiect to the applicable terms of USe Study information shown in the analysis variables section will be provided.

0

#### 7.3.2 Screen Failures

Analysis Set:

All Subjects Not Enrolled into the Treatment Period

Analysis Variables:

Age (years)

[Male, Female] Gender

Analytical Methods:

(1) Screen Failures

Frequency distributions for categorical variables and descriptive statistics for continuous variables will be provided.

## 7.3.3 Subject Eligibility

Analysis Set:

All Subjects Who Signed the Informed Consent Form

All Subjects Analysis Variables: Enroll-

**Enrollment Status** 

[Enrolled into the Treatment Period, Not Enrolled into the Treatment Period]

Primary Reason for Subject Not Being Enrolled

Terms of Use [Death, AE, Clinical Deterioration, Protocol Deviation, Study Terminated by Sponsor, Pregnancy, Withdrawal by Subject, Lost to Follow-up, Physician Decision, Screen Failure, Other]

Analytical Methods:

(1) Enrollment into the Treatment Period

Frequency distributions will be provided. When calculating percentages for the primary reasons for subject not being enrolled, the total number of not enrolled subjects will be used as the denominator.

## 7.3.4 Number of Subjects Enrolled into the Treatment Period by Site

Analysis Set:

All Subjects Enrolled into the Treatment Period

Analysis Variables:

Status of Enrollment into the Treatment Period

Stratum:

[Site numbers will be used as categories] Site

Analytical Methods:

(1) Number of Subjects Enrolled into the Treatment Period by Site

Frequency distributions will be provided for each stratum by cohort and overall.

#### **Disposition of Subjects** 7.3.5

Analysis Set:

Property of

All Subjects Enrolled into the Treatment Period

Analysis Variables:

Study Drug Administration Status

[Receiving Study Drug, Discontinued Study Drug]

Reason for Discontinuation of Study Drug

[Death, AE, Clinical Deterioration, Protocol Deviation, PD, Lack of Efficacy, Study Terminated by Sponsor, Pregnancy, Withdrawal by Subject, Lost to Follow-up, Physician Decision, Other]

Status of the Posttreatment Period

[Remaining in Posttreatment Period, Discontinued Posttreatment Period]

Reason for Discontinuation of the Posttreatment Period

Termsofuse [Death, Study Terminated by Sponsor, Withdrawal by Subject, Lost to Follow-up, Other]

Analytical Methods:

(1) Disposition of Subjects

Frequency distributions will be provided for each cohort and overall. When calculating percentages for the reasons for discontinuation, the total number of nu nd subject to the appli subjects who discontinued will be used as the denominator.

#### 7.3.6 Protocol Deviations and Analysis Sets

7.3.6.1 Protocol Deviations

Analysis Set:

All Subjects Enrolled into the Treatment Period

Analysis Variables:

Significant Protocol Deviation

[Entry Criteria, Concomitant Medication, Procedure Not Performed Per Protocol, Study Medication, Withdrawal Criteria, Major GCP Violations]

Analytical Methods:

#### (1) Protocol Deviations

Frequency distributions will be provided by cohort and overall for each deviation category. A subject who has several deviations will be counted once in each appropriate category. A subject who has several deviations that can be classified into the same category will be counted only once.

## 7.3.6.2 Analysis Sets

Analysis Set:

All Subjects Enrolled into the Treatment Period

Property of Full

Full Analysis Set

Safety Analysis Set

[Included]

[Included]

Analytical Methods:

(1) Analysis Sets

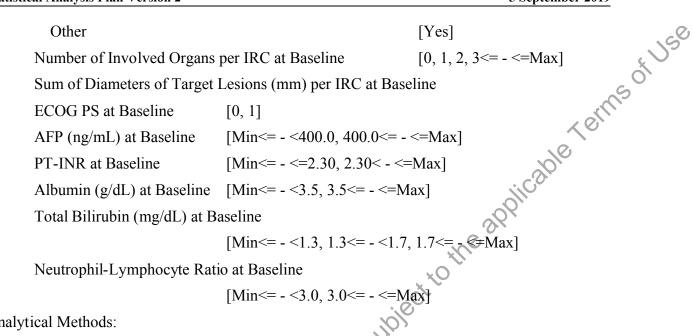
Frequency distributions will be provided by cohort and overall.

#### 7.4 **Demographic and Other Baseline Characteristics**

Analysis Set:

the applicable terms of use  $\frac{1}{2}$ FAS Analysis Variables: Age (years)  $[Min \le -.. \le 65, 65 \le -.. \le Max]$  $[Min \le -.. \le 75, 75 \le -. \le Max]$ Max] [Min<= - <65, 65<= - <75, 75<= - <85, 85<= Gender [Male, Female] Height (cm) Weight (kg) at Baseline [Min<= - <60, 60<= - <=80, 80<  $- \leq Max$ BMI  $(kg/m^2)$  at Baseline - <25.0, 25.0<= - <30.0, 30.0<= - <=Max] [Min<= - <18.5, 18,5] History of Drinking Alcohol [Current, Former, Never] Current Etiology of Disease Hepatitis B (Without Hepatitis C) [Yes] Hepatitis C (Without Hepatitis B) [Yes] Hepatitis B and C [Yes] Hepatitis B (Regardless of Hepatitis C) [Yes] Hepatitis C (Regardless of Hepatitis B) [Yes] Without Hepatitis B and C [Yes] Property of Ta Alcoholism [Yes] NASH [Yes] Other [Yes] HBsAg at Baseline [Positive, Negative] HBV-DNA at Baseline [Positive, Negative] HCVAb at Baseline [Positive, Negative]

J	HCV-RNA at Baseline	[Positive, Negative] [Grade 1, Grade 2, Grade 3] [A, B, C] [None, Grade I-II, Grade III-IV] [Absent, Slight, Moderate]
1	ALBI Grade at Baseline	[Grade 1, Grade 2, Grade 3]
(	Child-Pugh Score at Baseline	[A, B, C]
I	Hepatic Encephalopathy at Baseline	[None, Grade I-II, Grade III-IV]
1	Ascites at Baseline	[Absent, Slight, Moderate]
r	Time from Histological/Cytological Diagno	osis of HCC to Enrollment (years)
	Current Disease Evaluation	il Co.
	Locally Advanced Disease	[Yes, No, Unknown]
	Metastatic Disease	[Yes, No, Unknown]
(	Current Extent of Disease	~0 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Portal Vein Invasion	[Yes, No, Unknown]
	Bile Duct Invasion	[Yes, No, Unknown]
	Macrovascular Invasion	[Yes, No, Unknown]
	Extrahepatic Spread	[Yes, No, Unknown]
	Extrahepatic Spread and/or Macrovascula	
	Other	[Yes, No]
J	Extent of Baseline Disease per IRC	
	Liver	[Yes]
	Lung	[Yes]
	Adrenal Grand	[Yes]
	Spleen	[Yes]
	Kidney	[Yes]
	Pancreas	[Yes]
	Gastrointestinal Tract	[Yes]
		[Yes]
pertyofTak	Bone (CT or MRI)	[Yes]
S)	Bone (CT or MRI) and Visceral (Excludi	
(th)	Brain	[Yes]
.001	Peritoneum	[Yes]
)`	Lymph Node	[Yes]



Analytical Methods:

(1) Summary of Demographics and Baseline Characteristics

Frequency distributions for categorical variables and descriptive statistics for continuous variables will be provided by cohort and overall.

#### **Medical History and Concurrent Medical Conditions** 7.5

Analysis Set:

Property of Ta

Safety Analysis Set

Analysis Variables:

Medical History

Concurrent Medical Conditions

Analytical Methods;

- (1) Medical History by System Organ Class and Preferred Term
- (2) Concurrent Medical Conditions by System Organ Class and Preferred Term

Frequency distributions will be provided for each cohort and overall. MedDRA dictionary will be used for coding. Summaries will be provided using SOC and PT, where SOC will be sorted alphabetically and PT will be sorted in decreasing frequency.

A subject with multiple occurrences of medical history or concurrent medical condition within a SOC will be counted only once in that SOC. A subject with multiple occurrences of medical history or concurrent medical condition within a PT will be counted only once in that PT.

#### 7.6 Medication History and Concomitant Medications

#### Analysis Set:

Safety Analysis Set

#### Analysis Variables:

Prior Non-Radiation Anticancer Therapy

**Concomitant Medications** 

Concomitant and Subsequent Non-Radiation Anticancer Therapy

#### Analytical Methods:

- (1) Prior Non-Radiation Anticancer Therapy by Preferred Medication Name
- (2) Concomitant Medications That Started Prior to and Were Ongoing at Baseline as well as Those That Started After Baseline by Preferred Medication Name
- (3) Concomitant and Subsequent Non-Radiation Anticaneer Therapy That Started After Baseline by Preferred Medication Name
- (4) Concomitant and Subsequent Non-Radiation Anticancer Therapy That Started Prior to and Were Ongoing at Baseline as well as Those That Started After Baseline by Preferred Medication Name

Frequency distributions will be provided for each cohort and overall. WHO Drug dictionary will be used for coding. Summaries will be provided using preferred medication names and sorted in decreasing frequency based on the number of reports.

A subject who has been administered several medications with the same preferred medication name will be counted only once for that medication name.

## 7.7 Prior Surgery and Procedure

Analysis Set:

J ~		
	Safety Analysis Set	
Analys	is Variables:	
	Prior Surgery/Procedure	[Yes, No]
~0	Prior Surgery Type	
Ś.	Enucleation	[Yes]
(they	Partial Hepatectomy	[Yes]
operter	Hepatic Subsegmentectomy	[Yes]
8 ⁴⁰	Hepatic Segmentectomy	[Yes]
*		

	zantinib-2003 tical Analysis Plan Version 2	Page 22 of 64 5 September 2019
	Right Hepatic Lobectomy	[Yes] [Yes] [Yes] [Yes] [Yes] [Yes] ealing Complications [Yes, No]
	Left Hepatic Lobectomy	[Yes]
	Extended Right Hepatic Lobectomy	[Yes]
	Extended Left Hepatic Lobectomy	[Yes]
	Liver Transplantation	[Yes]
	Other	[Yes]
	History of Surgical/Procedural Wound He	ealing Complications
		[Yes, No]
Analy	tical Methods:	ine i
	(1) Prior Surgery and Procedure	×0 ²
	Frequency distributions will be provide	ded by cohort and overall.
7.8	Prior Non-Surgical Anticancer Therapy	ded by cohort and overall. y
Analy	ysis Set:	000
	Safety Analysis Set	1 Stl
Analy	ysis Variables:	
	Non-Radiation Anticancer Therapy Type	for HCC
	Systemic [Yes]	
	Local Liver-Directed [Yes]	
	Local (Other Than Liver) [Yes]	
	Number of Prior Systemic Non-Radiation	Anticancer Regimens for HCC-Advanced
	[1, 2]	
	Number of Prior Systemic Non-Radiation	Anticancer Agents for HCC
	[1, 2, 3<= -	<=Max]
	Number of Prior Systemic Non-Radiation	Anticancer Agents for HCC-Advanced
. 4	[1, 2, 3<= -	<=Max]
- べ	Number of Prior Systemic Non-Radiation	Anticancer Agents for HCC-Adjuvant
્રે	[0 1 2 2/-	= - <=Max]
$\left  \begin{array}{c} \\ \\ \\ \\ \end{array} \right $	[0, 1, 2, 3]	-
0		emic Non-Radiation Anticancer Agent for HCC

Cabozantinib-2003 Statistical Analysis Plan Version 2	Page 23 of 64 5 September 2019
Time (months) from Progression after Mo Anticancer Agent for HCC to Enrollment	•
Time (months) from the End of Most Rec Agent for HCC to Enrollment	[Yes, No] [Yes, No, Not Applicable]
Prior Sorafenib for HCC	[Yes, No]
Stop Taking Prior Sorafenib for Intoleran	ce Reasons
	[Yes, No, Not Applicable]
Prior Sorafenib as the Most Recent Prior HCC	Systemic Non-Radiation Anticancer Agent for [Yes, No]
Indication of Prior Sorafenib for HCC	[Yes] [Yes]
For HCC-Advanced	[Yes]
For HCC-Advanced as First-Line	[Yes]
For HCC-Advanced as Second-Line	
For HCC-Adjuvant	[Yes]
For HCC-Local	[Yes]
For HCC-Other	[Yes]
Progression after Prior Sorafenib for HCC	C [Yes, No, Unknown]
Progression after Prior Sorafenib as the M Anticancer Agent for HCC	Aost Recent Prior Systemic Non-Radiation [Yes, No, Unknown]
Time (months) from Progression after Pri Non-Radiation Anticancer Agent for HCC	ior Sorafenib as the Most Recent Prior Systemic C to Enrollment
Total Duration (months) of Prior Sorafen	ib Treatment for HCC
[Min<= - <	1, 1<= - <3, 3<= - <6, 6<= - <=Max]
Prior Lenvatinib for HCC	[Yes, No]
HCC	r Systemic Non-Radiation Anticancer Agent for [Yes, No]
Indication of Prior Lenvatinib for HCC	
For HCC-Advanced	[Yes]
For HCC-Advanced as First-Line	[Yes]
For HCC-Advanced as Second-Line	[Yes]
For HCC-Advanced as First-Line For HCC-Advanced as Second-Line For HCC-Adjuvant For HCC-Local	[Yes]
For HCC-Local	[Yes]

Cabozantinib-2003 Statistical Analysis Plan Version 2	Page 24 of 64 5 September 2019
For HCC-Other	[Yes]
Progression after Prior Lenvatinib for HG	CC [Yes, No, Unknown]
Progression after Prior Lenvatinib as the Anticancer Agent for HCC	[Yes] CC [Yes, No, Unknown] Most Recent Prior Systemic Non-Radiation [Yes, No, Unknown] for Lenvatinib as the Most Recent Prior
Time (months) from Progression after Pr Systemic Non-Radiation Anticancer Age	rior Lenvatinib as the Most Recent Prior
Total Duration (months) of Prior Lenvation	inib Treatment for HCC
[Min<= - <	<1, 1<= - <3, 3<= - <6, 6<= - <= Max] D-1, PD-L1/L2 [Yes, No] [Yes, No]
Prior Treatment with Agent Targeting PI	D-1, PD-L1/L2
	[Yes, No]
Prior Chemoembolization for HCC	[Yes, No]
Number of Prior Chemoembolization for	
	[0, 1, 2, 3<= - <=Max]
Prior Radiation Therapy	[Yes, No]
Indication of Prior Radiation Therapy	21
Disease under Study	[Yes]
Other	[Yes]
Number of Prior Radiation Therapy Type	es for HCC
al ^{cic}	[0, 1, 2, 3<= - <=Max]
Type of Prior Radiation Therapy for HC	C
EBRT	[Yes]
SRS	[Yes]
2DXRT	[Yes]
3DCRT	[Yes]
	[Yes]
IMRT	[Yes]
Proton-Therapy	[Yes]
TomoTherapy Hi-ART	[Yes]
CyberKnife VSI	[Yes]
GRT IMRT Proton-Therapy TomoTherapy Hi-ART CyberKnife VSI Other Brachytherapy	[Yes]
Brachytherapy	[Yes]

Cabozantinib-2003 Statistical Analysis Plan Version 2		Page 25 of 64 5 September 2019
Radioisotope Therapy	[Yes]	to the applicable terms of Use
Radioembolization	[Yes]	× 5
Radio frequency Ablation	[Yes]	SO
Other	[Yes]	atthe
Site Type of Prior Radiation Therapy	y for HCC	<u> </u>
Bone	[Yes]	2016
Soft Tissue	[Yes]	NCO
Systemic	[Yes]	2 ^Q
Unknown	[Yes]	
Analytical Methods:		×0
(1) Prior Non-Surgical Anticancer	Therapy	
Frequency distributions for cate	gorical variables and des	criptive statistics for

Soft Tissue	[Yes]
Systemic	[Yes]
Unknown	[Yes]

Frequency distributions for categorical variables and descriptive statistics for continuous variables will be provided by cohort and overall.

## Concomitant and Subsequent Anticancer Therapy 7.9 15e only

Analysis Set:

Safety Analysis Set

Analysis Variables:

Concomitant and Subsequent Non-Surgical Non-Radiation Anticancer Therapy

	Systemic	[Yes, No]
	Systemic	[Yes]
	Local Liver-Directed	[Yes]
	Systemic or Local Liver-Directed	[Yes]
	Agent Targeting PD-1, PD-L1/L2	[Yes]
	Time (days) to First Non-Surgical Non-Radiatio the First Dose of Study Drug	n Systemic Anticancer Therapy from
	Concomitant and Subsequent Radiation Therapy	[Yes, No]
A TO	Indication	
Property of I	Disease under Study	[Yes]
OCI	Other	[Yes]
P ^(O)	Type of Radiation Therapy for HCC	

Cabozantinib-2003 Statistical Analysis Plan Version 2	Page 26 of 64 5 September 2019
EBRT	[Yes]         [Yes]
SRS	[Yes]
2DXRT	[Yes]
3DCRT	[Yes]
IGRT	[Yes]
IMRT	[Yes]
Proton-Therapy	[Yes]
TomoTherapy Hi-ART	[Yes]
CyberKnife VSI	[Yes]
Other	[Yes]
Brachytherapy	[Yes]
Radioisotope Therapy	[Yes]
Radioembolization	PYes]
Radiofrequency Ablation	[Yes]
Radio frequency Ablation Other	[Yes]
Site Type of Radiation Therapy for HCC Bone Soft Tissue Systemic	[Yes]
Soft Tissue	[Yes]
Systemic	[Yes]
Unknown	[Yes]
Concomitant and Subsequent Radiation Therapy O	ther Than to Bone
10 ¹	[Yes]
Concomitant and Subsequent Surgery/Procedure	[Yes, No]
Surgery that Impacted Tumor Lesions	[Yes]
Analytical Methods:	
(1) Concomitant and Subsequent Anticancer Ther	apy After Enrollment
(1) Concomitant and Subsequent Anticancer Ther For concomitant and subsequent anticancer the enrollment, frequency distributions will be pro	

#### **Study Drug Exposure and Compliance** 7.10

Analysis Set:

Safety Analysis Set

Analysis Variables:

Duration of Exposure to Study Drug (months)

Average Daily Dose (mg)

Dose Intensity (%)

Duration of Treatment (months)

Analytical Methods:

(1) Study Drug Exposure and Compliance

to the applicable terms of Use Descriptive statistics for continuous variables will be provided by cohort and overall. only and sub!

#### **Dose Modification** 7.11

Analysis Set:

Safety Analysis Set

Analysis Variables:

**Dose Reduction** 

Any Dose Reduction Due to AE [Y Dose Level D [Yes, No]

Dose Level Received

60 mg

40 mg Due to AE [Yes]

20 mg Due to AE [Yes]

Lowest Dose Level Received Due to AE (Excluding Dose Interruption) (mg)

[Yes]

[60, 40, 20]

Last Dose Level Received (Excluding Dose Interruption) (mg)

[60, 40, 20]

Property of Takeo Last Dose Level Received (Including Dose Interruption) (mg)

[60, 40, 20, 0]

Total Duration of Treatment (days) at:

More than 0 mg

60 mg

ermsofuse

40 mg

20 mg

0 mg

Time to 1st Dose Reduction Due to AE from the First Dose of Study Drug (days)

Time to 2nd Dose Reduction Due to AE from the First Dose of Study Drug (days) ne applicabl

**Dose Interruption** 

Any Dose Interruption Due to AE [Yes, No]

Dose Interruption  $\geq$ 7 days Due to AE [Yes]

Dose Interruption  $\geq 14$  days Due to AE [Yes]

Dose Interruption  $\geq 21$  days Due to AE [Yes]

Number of Dose Interruption Due to AE [0, 1, 2, 3, 4]

Total Duration of Dose Interruption Due to AE (days)

[0, 1<= - <7, 7<= - <14, 14<= - <21, 21<= - <= Max]

Time to 1st Dose Interruption Due to AE from the First Dose of Study Drug (days) Time to 1st Dose Interruption  $\geq$ 7 days Due to AE from the First Dose of Study Drug (days)

Time to 1st Dose Interruption  $\geq$ 14 days Due to AE from the First Dose of Study Drug (days)

Time to 1st Dose Interruption  $\geq 21$  days Due to AE from the First Dose of Study Drug (days)

Time to 2nd Dose Interruption Due to AE from the First Dose of Study Drug (days)

Time to 2nd Dose Interruption  $\geq$ 7 days Due to AE from the First Dose of Study Drug (days)

Time to 2nd Dose Interruption  $\geq$ 14 days Due to AE from the First Dose of Study Drug (days)

Time to 2nd Dose Interruption  $\geq 21$  days Due to AE from the First Dose of Study Drug (days)

Dose Modification

Property of

Any Dose Modification Due to AE [Yes, No]

Number of Dose Modification Due to AE

Time to 1st Dose Modification Due to AE from the First Dose of Study Drug (days)

Time to 2nd Dose Modification Due to AE from the First Dose of Study Drug (days)

Analytical Methods:

(1) Dose Modification

to the applicable terms of Use Frequency distributions for categorical variables and descriptive statistics for continuous variables will be provided by cohort and overall.

#### 7.12 **Efficacy Analysis**

#### 7.12.1 Primary Endpoint

Analysis Set:

FAS

Analysis Variables:

24-week PFSR, per RECIST 1.1 by IRC

PFS is defined as time from the first day of study drug administration to the earlier of PD per RECIST 1.1 or death due to any cause. PFS will be expressed in months, ie, PFS = (earliest date of progression or death - date of the first day of study drugadministration +1) / 30.4375.

24-week PFSR is defined as PFS proportion at Study Day of Week 25 Day 1 + 7 days.

Only adequate tumor assessments (overall response of CR, PR, SD, Non-CR/Non-PD or PD) will be considered in the determination of progression and censoring date. General censoring rules for the analysis of PFS will be as follows:

- Subjects who have not experienced an event at the time of data cutoff will be • censored at the date of the last adequate tumor assessment.
- Subjects who receive subsequent systemic or liver directed local anticancer • therapy or radiation therapy (other than to bone) before experiencing an event will be censored at the date of the last adequate tumor assessment on or prior to the date of initiation of the subsequent treatment.
- Subjects who receive tumor resection surgery after enrollment before experiencing Property of Takeda. an event will be censored at the date of the last adequate tumor assessment on or prior to the date of the surgery.

Subjects who miss 2 or more consecutive adequate scheduled tumor assessments (operationally defined as an interval of >18 weeks without an adequate assessment) immediately followed by an event will be censored at the date of the last adequate tumor assessment prior to the missing/inadequate assessments.

If the 2 or more consecutive missing adequate assessments are immediately followed by an adequate assessment with an overall response assignment of SD, Non-CR/Non-PD, PR, or CR, this will be deemed sufficient clinical

Termsofuse evidence that progression did not occur during the period of missing data and the missing evaluations will be ignored.

Analytical Methods:

(1) Primary Analysis

The following analyses will be conducted for cohort A.

For 24-week PFSR by IRC, Kaplan-Meier estimate will be provided and the corresponding 2-sided 90% CI will be calculated using the Greenwood's formula and the complementary log-log transformation.

(2) Other Analysis

The same analysis as those in the primary analysis will be conducted for Cohort B only and subject to and overall.

#### 7.12.2 Secondary Endpoints

Analysis Set:

FAS

Analysis Variables:

PFS, per RECIST 1.1 by IRC

ORR, per RECIST 1.1, by IRC

ORR is defined as proportion of subjects whose best overall response is CR or PR per RECIST 1.1, which is confirmed by a subsequent evaluation conducted  $\geq 28$  days later.

0

Only the results of tumor assessment conducted on or prior to the earlier of the date of PFS event or date of censoring for PFS by IRC, described in 7.12.1 Primary Endpoint, will be used in order to determine the best overall response. Assessments performed <51 days after the first day of study drug administration will not be considered in the determination of best overall response unless i) PD is identified or ii) CR or PR is identified and subsequently confirmed  $\geq 28$  days later.

The response results are ranked as: confirmed CR, confirmed PR, SD (including Non-CR/Non-PD), PD and not evaluable. If a subject has multiple response results, then use the best response results according to this ranking as the subject's best overall

DCR, per RECIST 1.1 by IRC

property of P DCR is defined as proportion of subjects whose best overall response is CR, PR or SD (including Non-CR/Non-PD) per RECIST 1.1. CR and PR require confirmation by a subsequent evaluation conducted ≥28 days later, and SD (including Non-CR/Non-PD) have to be maintained for at least 8 weeks (51 days) after the first day of study drug administration.

DCR will be determined using the same data as those used in the determination of ORR.

OS

ns of Use OS is defined as time from the first day of study drug administration to death due to any cause. OS will be expressed in months, ie, OS = (date of death - date of the first)day of study drug administration + 1) / 30.4375.

Subjects who have not experienced an event at the time of data cutoff will be censored at the earlier of the data cutoff or the last date when the subjects are known to be alive.

Analytical Methods:

The following analyses will be conducted for each cohort and overall.

(1) PFS, per RECIST 1.1 by IRC

For PFS, per RECIST 1.1, by IRC, breakdown of the number of subjects who were censored and who experienced an event will be summarized. Quartiles of PFS will be estimated using the Kaplan-Meier method. Kaplan-Meier estimate of PFS proportion at 3, 6, 12, 18 and 24 months will also be provided.

The Kaplan-Meier plot of PFS will be presented.

The PFS analysis results will be displayed in conjunction with the analyses for 7.12.1 Primary Endpoint.

(2) ORR, per RECIST 1.1, by IRCC

Best overall response, per RECIST 1.1, by IRC will be summarized using the categories of Confirmed CR, Confirmed PR, SD (including Non-CR/Non-PD), PD, Not Evaluable and Missing. The result of Missing means that the subject has no qualifying post baseline assessment for overall response.

For ORR, per RECIST 1.1, by IRC, point estimate and the 2-sided 95% exact CI will be provided.

A waterfall plot of best percent change in target lesion size by IRC will be presented.

(3) DCR, per RECIST 1.1, by IRC

Property of F For DCR, per RECIST 1.1, by IRC, point estimate and the 2-sided 95% exact CI will be provided.

For OS, the same analyses as those for PFS will be conducted.

#### 7.12.3 Additional Endpoints

7.12.3.1 PFS, ORR and CBR by Investigator

Analysis Set:

FAS

Analysis Variables:

PFS, per RECIST 1.1, by Investigator

ORR, per RECIST 1.1, by Investigator

DCR, per RECIST 1.1 by Investigator

Analytical Methods:

(1) PFS, per RECIST 1.1, by Investigator

to the applicable terms of Use The same analyses as those for 24-week PFSR and PES, per RECIST 1.1, by IRC in 7.12.1 and 7.12.2 (1) will be conducted.

(2) ORR, per RECIST 1.1 by Investigator

The same analyses as those for ORR, per RECIST 1.1, by IRC in 7.12.2 (2) will be conducted.

(3) DCR, per RECIST 1.1, by Investigator

The same analyses as those for DCR, per RECIST 1.1, by IRC in 7.12.2 (3) will be conducted.

7.12.3.2 Concordance of Tumor Assessment Result

Analysis Set:

Property of Tak

FAS

Analysis Variables:

Concordance between IRC and Investigator Tumor Assessment Results

**Disease Progression Status** 

[IRC: Yes and Investigator: Yes, IRC: Yes and Investigator: No, IRC: No and Investigator: Yes, IRC: No and Investigator: No]

[Concordant, Discordant]

**Disease Progression Date** 

[Concordant, Discordant]

**Response Status** 

[IRC: Yes and Investigator: Yes, IRC: Yes and Investigator: No, IRC: No and Investigator: Yes, IRC: No and Investigator: No]

[Concordant, Discordant]

**Response** Date

[Concordant, Discordant]

Analytical Methods:

(1) Concordance between IRC and Investigator Tumor Assessment Results

The following analyses will be conducted for overall subjects.

For disease progression status and response status, frequency distributions will be provided, where response status of Yes means that a subject had at least one overall response assignment of CR or PR (confirmation is not necessary).

For disease progression date and response date, frequency distributions will be provided for subjects in the FAS whose disease progression/response status by both IRC and investigator is Yes.

7.12.3.3 Plasma Concentrations of Cabozantinib Analysis Set: FAS

Analysis Variables:

Plasma Concentrations of Cabozantinib

Visit/Timepoint:

Week 1 Day 1 (Predose), Week 1 Day 1 (3 hr Postdose), Week 3 Day 1, Week 5 Day 1, Week 9 Day 1

Analytical Methods.

Property of Ta

(1) Plasma Concentrations of Cabozantinib

Descriptive statistics and CV will be provided by cohort and overall for each visit/timepoint.

The same analysis will be provided for subjects in the FAS who received cabozantinib 60 mg for at least 14 of 15 days immediately prior to the visit for Week 3 Day 1, Week 5 Day 1 and Week 9 Day 1.

le terms of Use 7.12.3.4 Health-Related Quality of Life Assessment Analysis Set: FAS Analysis Variables: EQ-5D-5L Mobility [No Problem, Slight Problems, Moderate Problems, Severe Problems, Extreme Problems] [No Problem, Slight Problems - Extreme Problems] Self-Care [No Problem, Slight Problems, Moderate Problems, Severe Problems, Extreme Problems] [No Problem, Slight Problems - Extreme Problems **Usual Activities** [No Problem, Slight Problems, Moderate Problems, Severe Problems, Extreme Problems] [No Problem, Slight Problems - Extreme Problems] Pain/Discomfort [No Problem, Slight Problems, Moderate Problems, Severe Problems, Extreme Problems] [No Problem, Slight Problems - Extreme Problems] Anxiety/Depression [No Problem, Slight Problems, Moderate Problems, Severe Problems, Extreme Problems] [No Problem, Slight Problems - Extreme Problems] EQ VAS Value for Your Health Today EQ-5D-5L Index Value EQ-5D-5L index values will be calculated using the value sets in Ikeda et al[1] if Property and only if all the 5 health state (mobility, self-care, usual activities, pain/discomfort, anxiety/depression) are completed and non-missing Visit:

Baseline, Week 5 Day 1, Week 9 Day 1, Every 4 weeks through Week 25, Every 8 Weeks Thereafter

#### Analytical Methods:

The following analyses will be conducted for each cohort and overall.

(1) Frequency Distributions for EQ-5D-5L Descriptive System

rerns of Use Frequency distributions will be provided for each of the 5-dimention descriptive system for each visit.

(2) Summary of EQ VAS and EQ-5D-5L Index Value by Visit

Descriptive statistics and the two-sided 95% CI of the mean will be provided for each visit.

(3) Summary of Change from Baseline in EQ VAS and EQ-5D-5L Index Value by Visit Descriptive statistics and the two-sided 95% CI of the mean will be provided for each visit.

nercial use only and subject to Mean changes from baseline will be plotted for each visit with standard deviation bars.

Analysis Set:

FAS

Analysis Variables:

AFP

Bone Specific ALP

Visit:

Property of

AFP

Baseline, Week 9 Day 1, Every 8 Weeks Thereafter

Bone Specific ALP

Baseline, Week 3 Day 1, Week 5 Day 1, Week 9 Day 1

Analytical Methods:

The following analyses will be conducted for each cohort and overall.

Summary of AFP and Bone Specific ALP, and Percent Change from Baseline by Visit

Descriptive statistics for observed values for each visit and percent changes from baseline will be provided.

^{7.12.3.5} AFP and Bone Specific ALP

Cabozantinib-2003	Page 36 of 64
Statistical Analysis Plan Version 2	5 September 2019

(2) Summary of Best and Worst Percent Change from Baseline in AFP and Bone Specific ALP

renns of Use Descriptive statistics for best (defined as the largest reduction) and worst (defined as the largest increase) percent change from baseline will be provided using all available data, respectively.

A waterfall plot of best percent change from baseline will be presented using all available data.

(3) Number and Percentage of Subjects with  $\geq$  50% Reduction from Baseline in AFP and Bone Specific ALP

Frequency distributions of subjects with  $\geq 50\%$  reduction from baseline and the two-sided 95% exact CI for the proportion will be provided using all available data.

10 SUDIE

### 7.12.4 Statistical/Analytical Issues

### 7.12.4.1 Adjustments for Covariates

Not applicable.

## 7.12.4.2 Handling of Dropouts or Missing Data

Missing test results will not be used for the analyses unless otherwise specified.

Values below the lower limit of quantification will be treated as zero when calculating the descriptive statistics. Values greater than or equal to the upper limit of quantification will be treated as the upper limit value when calculating the descriptive statistics.

## 7.12.4.3 Multicenter Studies

Not applicable.

7.12.4.4 Multiple Comparison/Multiplicity

Not applicable.

7.12.4.5 Use of an "Efficacy Subset" of Subjects

Not applicable.

7.12.4.6 Active-Control Studies Intended to Show Equivalence or Non-Inferiority Not applicable.

7.12.4.7 Examination of Subgroups

Analysis Set:

FAS

to the applicable terms of Use Analysis Variables: 24-week PFSR, per RECIST 1.1 by IRC Subgroups:  $[Min \le -.. \le 65, 65 \le -.. \le Max]$ Age (years) Gender [Male, Female] Current Etiology of Disease Hepatitis B (Without Hepatitis C) [Yes, No] Hepatitis C (Without Hepatitis B) [Yes, No] Hepatitis B and C [Yes, No] Hepatitis B (Regardless of Hepatitis C) [Yes, No] Hepatitis C (Regardless of Hepatitis B) [Yes, No] Without Hepatitis B and C [Yes, No Alcoholism [Yes, No NASH [Yes, No] Other Yes, No] Extrahepatic Spread and/or Macrovascular Invasion [Yes, No] Visceral (Excluding Liver) Metastases per IRC at Baseline [Yes, No] Bone Metastases (CT or MRI) per IRC at Baseline [Yes, No] Bone (CT or MRI) and Visceral (Excluding Liver) Metastases per IRC at Baseline [Yes, No] ECOG PS at Baseline [0, 1]AFP (ng/mL) at Baseline [Min<= - <400.0, 400.0<= - <=Max] Number of Prior Systemic Non-Radiation Anticancer Regimens for HCC-Advanced Property of [1, 2] Prior Treatment with Agent Targeting PD-1, PD-L1/L2 [Yes, No] Prior Regorafenib [Yes, No]

Prior Lenvatinib	[Yes, No]	
Prior Tivantinib	[Yes, No]	~
Prior Ramucirumab	[Yes, No]	SOI
Stop Taking Prior Sorafenib for In	tolerance Reasons	arms
	[Yes, No]	20
lytical Methods:		010
(1) Subgroup Analysis for 24-we	ek PFSR, per RECIST 1.1 by IRC	NO.C.

Analytical Methods:

(1) Subgroup Analysis for 24-week PFSR, per RECIST 1.1 by IRC

Kaplan-Meier estimate of 24-week PFSR, per RECIST 1.1 by IRC will be provided and the corresponding 2-sided 90% CI will be calculated for each cohort and overall using the Greenwood's formula and the complementary log-log transformation.

 Auverse Events

 7.13.1.1 Overview of Treatment-Emergent Adverse Events

 Analysis Set:

 Safety Analysis Set

 Analysis Variables:

 TEAE

 Categories:

 Relationship to State

Relationship to Study Drug

[Grade 1, Grade 2, Grade 3, Grade 4, Grade 5]

Analytical Methods:

Toxicity Grade

The following summaries will be provided for each cohort and overall.

- (1) Overview of Treatment-Emergent Adverse Events
  - All Treatment-Emergent Adverse Events (Number of Events, Number and Percentage of Subjects)
  - Relationship of Treatment-Emergent Adverse Events to Study Drug (Number of 2) Events, Number and Percentage of Subjects)
- Property of Takes Toxicity Grade of Treatment-Emergent Adverse Events (Number of Events, 3) Number and Percentage of Subjects)
  - Treatment-Emergent Adverse Events Leading to Study Drug Discontinuation 4) (Number of Events, Number and Percentage of Subjects)

Cabozantinib-2003	Page 39 of 64
Statistical Analysis Plan Version 2	5 September 2019

- ierms of Use 5) Serious Treatment-Emergent Adverse Events (Number of Events, Number and Percentage of Subjects)
- 6) Relationship of Serious Treatment-Emergent Adverse Events to Study Drug (Number of Events, Number and Percentage of Subjects)
- 7) Serious Treatment-Emergent Adverse Events Leading to Study Drug Discontinuation (Number of Events, Number and Percentage of Subjects)
- Treatment-Emergent Adverse Events Resulting in Death (Number of Events, 8) Number and Percentage of Subjects) the 300

TEAEs will be counted according to the rules below.

Number of subjects

Summaries for 2) and 6)

A subject with occurrences of TEAE in both categories (ie, Related and Not Related) will be counted once in the Related category.

Summary for 3)

A subject with multiple occurrences of TEAE will be counted once for the TEAE with the maximum toxicity grade.

Summaries other than 2), 3), and 6)

A subject with multiple occurrences of TEAE will be counted only once.

### Number of events

For each summary, the total number of events will be calculated.

7.13.1.2 Displays of Treatment-Emergent Adverse events

Analysis Set:

Safety Analysis Se

Analysis Variables:

TEAF

Categories.

**Toxicity Grade** 

[Grade 1, Grade 2, Grade 3, Grade 4, Grade 5]

Analytical Methods:

The following summaries will be provided using frequency distribution for each cohort and overall.

TEAEs will be coded using the MedDRA and will be summarized using SOC and PT.

Page 40 of 64
5 September 2019

i erms of Use SOC will be sorted alphabetically and PT will be sorted in decreasing frequency for tables provided by SOC and PT. SOC and PT will be sorted in decreasing frequency for tables provided by SOC only or PT only.

The definitions of the following TEAEs to monitor are given in Appendix:

GI Perforation, Fistula, Abscess, Intra-Abdominal and Pelvic Abscess, Hemorrhage, Thrombotic Events, Arterial Thrombotic Events, Venous and Mixed/Unspecified Thrombotic Events, Wound Complication, Hypertension, Osteonecrosis, PPES, Proteinuria, RPLS, Diarrhea, QT Prolongation, Renal Failure, Hypothyroidism, Hepatotoxicity

- (1) Treatment-Emergent Adverse Events by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (2) Treatment-Emergent Adverse Events by System Organ Class
- (3) Treatment-Emergent Adverse Events by Preferred Term (Any Grade and Grade  $\geq$ 3)
- (4) Drug-Related Treatment-Emergent Adverse Events by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (5) Drug-Related Treatment-Emergent Adverse Events by Preferred Term (Any Grade and Grade  $\geq 3$ )
- (6) Toxicity Grade of Treatment-Emergent Adverse Events by System Organ Class and Preferred Term
- (7) Toxicity Grade of Drug-Related Treatment-Emergent Adverse Events by System Organ Class and Preferred Term
- (8) Grade 5 Treatment-Emergent Adverse Events by System Organ Class and Preferred Term
- (9) Grade 5 Drug-Related Treatment-Emergent Adverse Events by System Organ Class and Preferred Term
- (10) Grade 5 Treatment-Emergent Adverse Events Judged Not Causally Related to Disease under Study by System Organ Class and Preferred Term
- (11) Serious Treatment-Emergent Adverse Events by System Organ Class and Preferred Term (Any Grade and Grade  $\geq 3$ )
- (12) Serious Treatment-Emergent Adverse Events by Preferred Term (Any Grade and Grade  $\geq 3$ )
- (13) Drug-Related Serious Treatment-Emergent Adverse Events by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (14) Treatment-Emergent Adverse Events Leading to Study Drug Discontinuation by System Organ Class and Preferred Term (Any Grade and Grade  $\geq 3$ )

Propertyoft

Statistical Analysis Plan Version 2 5 September 2	Cabozantinib-2003	Page 41 of 64	
	Statistical Analysis Plan Version 2	5 September 2019	

(15)Drug-Related Treatment-Emergent Adverse Events Leading to Study Drug Discontinuation by System Organ Class and Preferred Term (Any Grade and Grade ≥3)

ns of Use

(16) Treatment-Emergent Adverse Events Leading to Study Drug Discontinuation and Judged Not Causally Related to Disease under Study by System Organ Class and Preferred Term (Any Grade and Grade ≥3)

- (17) Treatment-Emergent Adverse Events Leading to Study Drug Dose Modification by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (18)Drug-Related Treatment-Emergent Adverse Events Leading to Study Drug Dose Modification by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (19) Treatment-Emergent Adverse Events Leading to Study Drug Dose Reduction by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (20) Drug-Related Treatment-Emergent Adverse Events Leading to Study Drug Dose Reduction by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (21) Treatment-Emergent Adverse Events Leading to Study Drug Dose Interruption by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (22)Drug-Related Treatment-Emergent Adverse Events Leading to Study Drug Dose Interruption by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (23) Treatment-Emergent Adverse Events of GI Perforation by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (24) Treatment-Emergent Adverse Events of Fistula by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (25) Treatment-Emergent Adverse Events of Abscess by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (26) Treatment-Emergent Adverse Events of Intra-Abdominal and Pelvic Abscess by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (27) Treatment-Emergent Adverse Events of Hemorrhage by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (28) Treatment-Emergent Thrombotic Adverse Events by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (29) Treatment-Emergent Arterial Thrombotic Adverse Events by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (30) Treatment-Emergent Venous and Mixed/Unspecified Thrombotic Adverse Events by System Organ Class and Preferred Term (Any Grade and Grade ≥3)
- (31)Treatment-Emergent Adverse Events of Wound Complication by System Organ Class and Preferred Term (Any Grade and Grade ≥3)

Propertyof

- (32) Treatment-Emergent Adverse Events of Hypertension by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (33) Treatment-Emergent Adverse Events of Osteonecrosis by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- ns of U (34) Treatment-Emergent Adverse Events of PPES by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (35) Treatment-Emergent Adverse Events of Proteinuria by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (36) Treatment-Emergent Adverse Events of RPLS by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (37) Treatment-Emergent Adverse Events of Diarrhea by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (38) Treatment-Emergent Adverse Events of QT Prolongation by System Organ Class and Preferred Term (Any Grade and Grade  $\geq 3$ )
- (39) Treatment-Emergent Adverse Events of Renal Failure by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (40) Treatment-Emergent Adverse Events of Hypothyroidism by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)
- (41) Treatment-Emergent Adverse Events of Hepatotoxicity by System Organ Class and Preferred Term (Any Grade and Grade  $\geq$ 3)

The frequency distribution will be provided according to the rules below.

Number of subjects

Summary tables other than (6) and (7)

A subject with multiple occurrences of TEAE within a SOC will be counted only once in that SOC. A subject with multiple occurrences of TEAE within a PT will be counted only once in that PT.

Summary tables for (6) and (7)

Asubject with multiple occurrences of TEAE within a SOC or a PT will be counted only once for the TEAE with the maximum toxicity grade.

3 Time to First Occurrence of TEAEs to Monitor

Analysis Set:

Safety Analysis Set

Analysis Variables:

**TEAEs to Monitor** 

Cabozantinib-2003	Page 43 of 64
Statistical Analysis Plan Version 2	5 September 2019

GI Perforation, Fistula, Abscess, Intra-Abdominal and Pelvic Abscess, Hemorrhage (All Grade), Hemorrhage (Grade ≥3), Thrombotic Events, Arterial Thrombotic Events, Venous and Mixed/Unspecified Thrombotic Events, Wound Complication, Hypertension, Osteonecrosis, PPES, Proteinuria, RPLS, Diarrhea, QT Prolongation, Renal Failure, Hypothyroidism, Hepatotoxicity

Analytical Methods:

(1) Time to First Occurrence of TEAEs to Monitor

Descriptive statistics of the time from the first day of study drug administration to first occurrence (days) will be provided by cohort and overall for each TEAEs to monitor for subjects experienced the corresponding event in the safety analysis set.

7.13.1.4 Death

Analysis Set:

Safety Analysis Set

Analysis Variables:

Subject Status

Deaths  $\leq$  30 Days after the Last Dose of Study Drug

fD--4

Primary Cause of Death [Progression of Disease under Study, Other]

[Yes]

Death Causally Associated with Disease under Study

[Yes, No, Unknown]

[Alive, Expired]

Deaths > 30 Days after the Last Dose of Study Drug

[Yes]

[Progression of Disease under Study, Other]

Death Causally Associated with Disease under Study

[Yes, No, Unknown]

Analytical Methods:

(1) Summary of Death

Primary Reason for Death

Frequency distributions will be provided for each cohort and overall.

7.13.1.5 Displays of Pretreatment Events

Analysis Set:

All Subjects Who Signed the Informed Consent Form

Analysis Variables:

PTE

Analytical Methods:

The following summaries will be provided using frequency distribution.

rms of Use PTEs will be coded using the MedDRA and will be summarized using SOC and PT. SOC will be sorted alphabetically and PT will be sorted in decreasing frequency.

(1) Pretreatment Events by System Organ Class and Preferred Term

(2) Serious Pretreatment Events by System Organ Class and Preferred Term

The frequency distribution will be provided according to the rules below.

Number of subjects

A subject with multiple occurrences of PTE within a SOC will be counted only once in use only and sub that SOC. A subject with multiple occurrences of PTE within a PT will be counted only once in that PT.

## 7.13.2 Clinical Laboratory Evaluations

Analysis Set:

Safety Analysis Set

Analysis Variables:

Hematology

WBC, Neutrophils, Neutrophils/WBC, Basophils, Basophils/WBC, Eosinophils, Eosinophils/WBC, Lymphocytes, Lymphocytes/WBC, Monocytes, Monocytes/WBC, Hematocrit, Platelets, RBC, Hemoglobin, Reticulocytes

Serum Chemistry

Albumin, ALP, ALT, Amylase, AST, BUN, Corrected Calcium, Chloride, Creatinine, Creatinine Clearance, GGT, Fasted Glucose, LDH, Lipase, Magnesium, Phosphorus, Potassium, Sodium, Total Bilirubin, Conjugated Bilirubin, Unconjugated Bilirubin, Total Protein

Coagulation

Property of T

PT-INR, APTT

Thyroid Function

TSH

Urine Chemistry

UPCR

e Terms of Use

#### Categories:

**Toxicity Grade** [Grade 0, Grade 1, Grade 2, Grade 3, Grade 4] [Grade 0, Grade 1 – Grade 4] [Grade 0, Grade 1 or 2, Grade 3 or 4]

#### Visit:

Hematology, Serum Chemistry

Baseline, Week 3 Day 1, Week 5 Day 1, Week 7 Day 1, Week 9 Day 1, Every 4 Weeks Thereafter, 30-Day Posttreatment Followup

#### Coagulation

Baseline, Week 5 Day 1, Week 9 Day 1, Every 4 Weeks Thereafter, 30-Day Posttreatment Followup

#### **Thyroid Function**

Baseline, Week 5 Day 1, Week 9 Day 1, Every 8 Weeks Thereafter, 30-Day Posttreatment Followup

### Urine Chemistry

Baseline, Week 3 Day 1, Week 5 Day 1, Week 9 Day 1, Every 4 Weeks Thereafter, 30-Day Posttreatment Followup

## Analytical Methods:

For each variable, summaries (1) and (2) will be provided for each cohort.

For applicable variables, summaries (3) to (8) will be provided for each cohort and overall.

(1) Summary of Laboratory Test Results and Change from Baseline by Visit

Descriptive statistics for observed values for each visit and changes from baseline will be provided.

(2) Case Plots

Plots over time for each subject will be presented.

Number and Percentage of Subjects with Clinically Significant Abnormal Laboratory Values

Frequency distributions of post-baseline maximum grade for laboratory abnormalities will be provided. Further details are given in Appendix.

Property of Ta (4) Summary of Shifts of Laboratory Test Results

Shift tables showing the number of subjects in each category of baseline grade and post-baseline maximum grade for laboratory abnormalities will be provided.

(5) Number and Percentage of Subjects with Elevated Liver Enzyme Laboratory Parameters

ierms of Use Overall frequency distributions of post-baseline elevated hepatic parameters will be provided. Further details are given in Appendix.

(6) Time to First Occurrence of increased ALT or AST

Descriptive statistics of the time from the first day of study drug administration to first occurrence of "ALT or AST >5xULN" and "ALT or AST >3xULN" (days) through 30 days after the date of the last dose will be provided for subjects experienced ALT or AST >5xULN, and subjects experienced ALT or AST >3xULN with both baseline ALT and AST  $\leq$  3xULN, respectively, in the safety analysis set.

(7) Number and Percentage of Subjects with Elevated Serum Creatinine

Overall frequency distributions of post-baseline elevated serum creatinine will be provided. Further details are given in Appendix.

(8) Summary of Thyroid Function Status

For TSH, shift tables showing the number of subjects in each category of "Low", "Normal" or "High" relative to the normal reference range provided by the central laboratory for baseline value and post-baseline minimum/maximum value obtained up to 30 days after the date of the last dose will be provided.

Frequency distributions of TSH and free T4 status will be provided using the postbaseline value obtained up to 30 days after the date of the last dose based on the following categories:

- For increased TSH: High TSH with Low Free T4 at any post-baseline visit High TSH with Normal Free T4 (not meet the above condition)
- For decreased TSH:

Low TSH with High Free T4 at any post-baseline visit Low TSH with Normal Free T4 (not meet the above condition)

# 7.13.3 Vital Signs and Weight

Safety Analysis Set

Analysis Variables: Systolic P

Systolic Blood Pressure

**Diastolic Blood Pressure** 

**Respiratory Rate** 

Visit:

Baseline, Week 3 Day 1, Week 5 Day 1, Week 7 Day 1, Week 9 Day 1, Every 4 Weeks (The of the o

Analytical Methods:

For applicable variables, summaries (3) and (4) will be provided for each cohort and overall.

(1) Summary of Vital Signs Parameters and Change from Baseline by Visit

Descriptive statistics for observed values for each visit and changes from baseline will be provided.

(2) Case Plots

Plots over time for each subject will be presented

(3) Number and Percentage of Subjects with Clinically Significant Abnormal Vital Sign Measurements

Frequency distributions of post-baseline clinically significant abnormal vital sign measurements will be provided. Further details are given in Appendix.

(4) Time to First Occurrence of Decrease in Weight  $\geq 10\%$  from Baseline

Descriptive statistics of the time from the first day of study drug administration to first occurrence of decrease in weight  $\geq 10\%$  (days) through 30 days after the date of the last dose will be provided for subjects experienced the weight decrease in the safety analysis set.

# 7.13.4 12-Lead ECGs

Analysis Set:

Property of

Safety Analysis Set

Analysis Variables:

QTcF Interval

Interpretation

[Normal, Abnormal but not Clinically Significant, Abnormal and Clinically Significant]

Visit:

Baseline, Week 5 Day 1, Week 9 Day 1, Every 12 Weeks Thereafter, 30-Day Posttreatment Followup

Analytical Methods:

ims of Use For QTcF interval, summaries (1) and (2) will be provided for each cohort, and summary (3) will be provided for each cohort and overall.

For 12-lead ECG interpretation, summary (4) will be provided for each cohort and overall.

(1) Summary of ECG Parameters and Change from Baseline by Visit

Descriptive statistics for observed values for each visit and charges from baseline will be provided

(2) Case Plots

Plots over time for each subject will be presented.

(3) Number and Percentage of Subjects with Clinically Significant Abnormal QTcF Measurements

Frequency distributions of post-baseline clinically significant abnormal QTcF measurements will be provided. Further details are given in Appendix.

(4) Summary of Shift of 12-lead ECG Interpretation

Shift table showing the number of subjects in each category for baseline result and the worst post-baseline result obtained up to 30 days after the date of the last dose will be provided.

## 7.13.5 Other Observations Related to Safety

7.13.5.1 ECOG Performance Status

Analysis Set:

Safety Analysis Set

Analysis Variables:

[0, 1, 2, 3, 4]

Analytical Methods:

ECOG PS

The following summaries will be provided for each cohort and overall.

(1) Summary of Shift of ECOG Performance Status

Shift table showing the number of subjects in each category for baseline result and the worst post-baseline result obtained up to 30 days after the date of the last dose will be provided.

Statistical Analysis Plan Version 2	5 September 20
(2) Number and Percentage of Su	ubjects with Increase in ECOG Performance Status
1 1	september 20 ubjects with Increase in ECOG Performance Status aximum post-baseline change in ECOG PS of ≥ 1 and ter the date of the last dose will be provided. If the applicable (Yes) [Yes] [Yes] [Yes] [Yes] [Yes] [Yes] [Yes] [Yes] [Yes]
7.13.5.2 Transfusion	
Analysis Set:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Safety Analysis Set	2010
Analysis Variables:	il Co
Concomitant Transfusion After En	nrollment [Yes, No]
Transfusion Type	ine i
Packed RBC	[Yes]
Platelets	[Yes]
Plasma	[Yes]
Whole Blood	[Yes]
Other	[Xes]
(1) Transfusion After Enrollment	
Frequency distributions will b	be provided for each cohort and overall.
7.13.5.3 Child-Pugh Score Analysis Set: Safety Analysis Set	UND CONTRACTOR OF CONTRACTOR OFC
Analysis Set:	·
Safety Analysis Set	
Analysis Variables:	
Child-Pugh Score [A,	B, C]
Visit:	
Baseline, Week 9 Day 1, Every 8	Weeks Thereafter
Analytical Methods:	
(f) Summary of Shift of Child-Pu	ugh Score
	ber of subjects in each category for baseline result and be provided by cohort and overall.
7.14 Interim Analysis	
Not applicable.	

Property of Takeda, For non-commercial use only and subject to the applicable Terms of Use

uteral and other and the applicable terms of terms of

For each parameter, all evaluable data (ie, non-missing data) obtained up to 30 days after the date of the last dose will be classified as a clinically significant abnormal value or not. The criteria in the table below will be used.

Abnormality	Criteria C
WBC Increased	CTCAE v4.03
WBC Decreased	CTCAE v4.03
ANC Decreased	CTCAE v4.03
Lymphocytes Increased	CTCAE v4.03
Lymphocytes Decreased	CTCAE v4.03
Platelets Decreased	CTCAE v4.03
Hemoglobin Increased	CTCAE v4.03
Hemoglobin Decreased	CTCAE v4.03
Albumin Decreased	CTCAE v4.03
ALP Increased	CTCAE v4.03
Amylase Increased	CTCAE v4.03
ALT Increased	CTCAE v4.03
AST Increased	CTCAE v403
Corrected Calcium Increased	CTCAE v4.03
Corrected Calcium Decreased	CTCAE v4.03
Creatinine Increased	CTCAE v4.03
GGT Increased	CTCAE v4.03
Glucose Increased	CTCAE v4.03
Glucose Decreased	CTCAE v4.03
LDH Increased	Grade 1: ULN< - <=2xULN Grade 2: 2xULN< - <=3xULN Grade 3: 3xULN<
Lipase Increased	CTCAE v4.03
Magnesium Increased	CTCAE v4.03
Magnesium Decreased	CTCAE v4.03
Phosphate Decreased	CTCAE v4.03
Potassium Increased	CTCAE v4.03
Potassium Decreased	CTCAE v4.03
Sodium Increased	CTCAE v4.03
Sodium Decreased	CTCAE v4.03
Total Bilirubin Increased	CTCAE v4.03
	Grade 1: 17.0<= - <=121.0 g/mol
	Grade 2: 121.0< - <=396.0 g/mol
URCR Increased	Grade 2: 121.0< - <- 596.0 g/mor

#### Clinically Significant Abnormal Value Criteria for Laboratory Parameters Table 9.a

#### **Clinically Significant Abnormal Value Criteria for Vital Sign Parameters** Table 9.b

Abnormality	Criteria
	• SBP 120<= - <=139 mmHg or DBP 80<= - <=89 mmHg
	• SBP 140<= - <=159 mmHg or DBP 90<= - <=99 mmHg
Blood Pressure Increased (Assign the worst category when a subject meets	<ul> <li>(SBP 160 mmHg&lt;= and DBP &lt;120 mmHg) or DBP 100</li> <li>- &lt;=119 mmHg</li> </ul>
multiple criteria)	• DBP 120 mmHg<=
	* Need to meet the criteria at 2 or more visits (need not be consecutive)
Weight Decreased	Weight decreased >= 10% from baseline

#### Clinically Significant Abnormal Value Criteria for ECG Parameters Table 9.c

Abnormality	Criteria
QTcF Interval Prolongation	500msec <
(based on observed value)	101
QTcF Interval Prolongation	30msec <
(based on change from baseline)	60msec <
(	

#### Criteria for Elevated Liver Enzyme and Elevated Serum Creatinine 9.2

All evaluable data (ie, non-missing data) obtained up to 30 days after the date of the last dose will be used to determine whether each criteria for elevated liver enzyme or elevated serum creatinine in the table below is met or not. If there is more than one parameter that need to be considered for a criteria, parameter measurements taken on the same day will be used.

		Criteria for Elevated Liver Enzyme	
	Label	Elevated	Not Elevated
	Tbili >1.5xULN	Total bilirubin is greater than 1.5 times the ULN	Total bilirubin is non-missing and less than or equal to 1.5 times the ULN
	Tbili >2xULN	Total bilirubin is greater than twice the ULN	Total bilirubin is non-missing and less than or equal to twice the ULN
	ALT >3xULN	ALT is greater than 3 times the ULN	ALT is non-missing and less than or equal to 3 times the ULN
	ALT >5xULN	ALT is greater than 5 times the ULN	ALT is non-missing and less than or equal to 5 times the ULN
AN AN	ALT >10xULN	ALT is greater than 10 times the ULN	ALT is non-missing and less than or equal to 10 times the ULN
Droper.	ALT >20xULN	ALT is greater than 20 times the ULN	ALT is non-missing and less than or equal to 20 times the ULN
X			

Criteria for Elevated Liver Enzyme Table 9.d

#### Cabozantinib-2003 Statistical Analysis Plan Version 2

	Criteria for Elevated Liver Enzyme         Elevated       Not Elevated         ALT is greater than 3 times the ULN and       Either ALT is non-missing and less than or equal to 3 times the ULN or the total		
Label Elevated		Not Elevated	
ALT >3xULN with Tbili >2xULN	ALT is greater than 3 times the ULN and the total bilirubin is greater than twice the ULN	Either ALT is non-missing and less than or equal to 3 times the ULN, or the total bilirubin is non-missing and less than or equal to twice the ULN	
AST >3xULN	AST is greater than 3 times the ULN	AST is non-missing and less than or equal to 3 times the ULN	
AST >5xULN	AST is greater than 5 times the ULN	AST is non-missing and less than or equal to 5 times the ULN	
AST >10xULN	AST is greater than 10 times the ULN	AST is non-missing and less than or equal to 10 times the ULN	
AST >20xULN	AST is greater than 20 times the ULN	AST is non-missing and less than or equal to 20 times the ULN	
AST >3xULN with Tbili >2xULN	AST is greater than 3 times the ULN and the total bilirubin is greater than twice the ULN	Either AST is non-missing and less than or equal to 3 times the ULN, or the total bilindom is non-missing and less than or equal to twice the ULN	
ALT or AST >3xULN	Either ALT or AST is greater than 3 times the ULN	Both ALT and AST are non-missing and less than or equal to 3 times the ULN	
ALT or AST >5xULN	Either ALT or AST is greater than 5 times the ULN	Both ALT and AST are non-missing and less than or equal to 5 times the ULN	
ALT or AST >10xULN	Either ALT or AST is greater than 10 times the ULN	Both ALT and AST are non-missing and less than or equal to 10 times the ULN	
ALT or AST >20xULN	Either ALT or AST is greater than 20 times the ULN	Both ALT and AST are non-missing and less than or equal to 20 times the ULN	
ALT or AST >10xULN with Tbili >2xULN	Either ALT or AST is greater than 10 times the ULN and the total bilirubin is greater than twice the ULN	<ul> <li>If any of the following conditions is met:</li> <li>Both ALT and AST are non-missing and less than or equal to 10 times the ULN.</li> <li>Total bilirubin is non-missing and less than or equal to twice the ULN.</li> </ul>	
ALT or AST >3xULN with Tbili >2xULN and ALP <2xULN	Either ALT or AST is greater than 3 times the ULN and the total bilirubin is greater than twice the ULN and ALP is non- missing and less than twice the ULN	<ul> <li>If any of the following conditions is met:</li> <li>Both ALT and AST are non-missing and less than or equal to 3 times the ULN.</li> <li>Total bilirubin is non-missing and less than or equal to twice the ULN.</li> <li>ALP is greater than or equal to twice the ULN.</li> </ul>	
of of		ULN. If any of the following conditions is met: - Both ALT and AST are non-missing and	
ALT or AST >3xULN with Tbili >2xULN and ALP ≥2xULN	Either ALT or AST is greater than 3 times the ULN and the total bilirubin is greater than twice the ULN and ALP is greater	less than or equal to 3 times the ULN. - Total bilirubin is non-missing and less than or equal to twice the ULN.	
than or equal to twice the ULN	than or equal to twice the ULN	<ul> <li>ALP is non-missing and less than twice the ULN.</li> </ul>	

	Criteria for Elevated Liver Enzyme	
Label	Elevated	Not Elevated
ALP >1.5xULN	ALP is greater than 1.5 times the ULN	ALP is non-missing and less than or equal to 1.5 times the ULN
ALP >2xULN	ALP is greater than twice the ULN	ALP is non-missing and less than or equal to twice the ULN

#### Table 9.e Criteria for Elevated Serum Creatinine

	Criteria for Elevated Serum Creatinine	
Label	Elevated Not Elevated	
Elevated Serum Creatinine	<ol> <li>Creatinine clearance &lt;30 mL/min and &gt;=25% reduction from baseline or</li> <li>Creatinine clearance &lt;= 0.5x baseline or</li> <li>Serum creatinine &gt;= 3xULN and &gt;=2x baseline</li> <li>Serum creatinine &lt;= 3xULN and &gt;=2x baseline</li> <li>Creatinine clearance &lt;= 0.5x baseline or</li> <li>Serum creatinine &lt;= 3xULN and &gt;=2x baseline</li> </ol>	

## 9.3 Definition of Treatment-Emergent Adverse Events to Monitor

### • GI Perforation

Abdominal hernia perforation; Appendicitis perforated; Diverticular perforation; Duodenal perforation; Duodenal ulcer perforation; Duodenal ulcer perforation; Oustructive; Duodenal ulcer repair; Gastric perforation; Gastric ulcer perforation; Gastric ulcer perforation; Ileal perforation; Gastric ulcer perforation; Ileal perforation; Ileal ulcer perforation; Intestinal perforation; Intestinal ulcer perforation; Jejunal perforation; Jejunal perforation; Cesophageal perforation; Cesophageal rupture; Oesophageal ulcer perforation; Peptic ulcer perforation; Peptic ulcer perforation; Peptic ulcer perforation; Small intestinal perforation; Small intestinal perforation; Small intestinal perforation; Small intestinal ulcer perforation; Small ulcer perforat

• Fistula

Acquired tracheo-oesophageal fistula; Anal fistula; Anal fistula excision; Anal fistula infection; Anastomotic fistula; Anovulvar fistula; Aortoenteric fistula; Aorto-oesophageal fistula; Arterioenteric fistula; Arteriovenous fistula; Arteriovenous fistula aneurysm; Arteriovenous fistula occlusion; Arteriovenous fistula operation; Arteriovenous fistula site complication; Arteriovenous fistula site infection; Arteriovenous fistula thrombosis; Biliary fistula; Biliary fistula repair; Bladder fistula repair; Bone fistula; Bronchial fistula; Bronchial fistula; Congenital arteriovenous fistula; Congenital aural fistula; Congenital lip fistula; Dental fistula; Diverticular fistula; Dural arteriovenous fistula; Enterocolonic fistula;

Cabozantinib-2003	Page 56 of 64
Statistical Analysis Plan Version 2	5 September 2019

IS OUSE Enterocutaneous fistula; Enterovesical fistula; Female genital tract fistula; Fistula; Fistula discharge; Fistula of small intestine; Fistula repair; Gallbladder fistula; Gallbladder fistula repair; Gastric fistula; Gastric fistula repair; Gastrointestinal fistula; Gastrointestinal fistula repair; Gastropleural fistula; Gastrosplenic fistula; Infected fistula; Intestinal fistula; Intestinal fistula infection; Intestinal fistula repair; Intrahepatic portal hepatic venous fistula Labyrinthine fistula; Lacrimal fistula; Laryngeal fistula; Laryngeal fistula repair; Lymphatic fistula; Male genital tract fistula; Mammary fistula; Mammary fistula repair; Ocular fistula; Oesophageal fistula; Oesophageal fistula repair; Oesophagobronchial fistula; Oral cavity fistula; Oroantral fistula; Pancreatic fistula; Pancreatic fistula repair; Perineal fistula; Pharyngeal fistula; Pharyngeal fistula repair; Pleural fistula; Pleurocutaneous fistula; Post procedural fistula; Postauricular fistula; Pulmonary arteriovenous fistula; Pulmonary fistula; Rectal fistula repair; Rectoprostatic fistula; Rectourethral fistula; Renal pelvis fistula; Salivary gland fistula; Thyroglossal fistula; Thyroglossal fistula excision; Tracheal fistula; Tracheal fistula repair; Tracheo-oesophageal fistula; Ureteric fistula; Urethral fistula; Urethroperineal fistula; Urinary fistula; Urogenital fistula; Urogenital fistula repair; Uterine fistula; Vaginal fistula; Vaginal fistula repair; Vesical fistula; Vesicocutaneous fistula

• Abscess

Abdominal wall abscess; Abscess; Abscess bacterial Abscess drainage; Abscess fungal; Abscess intestinal; Abscess jaw; Abscess limb; Abscess management; Abscess neck; Abscess of external auditory meatus; Abscess of eyelid; Abscess of salivary gland; Abscess oral; Abscess rupture; Abscess soft tissue; Abscess sterile; Abscess sweat gland; Administration site abscess; Adrenal gland abscess; Amoebic brain abscess; Amoebic lung abscess; Anal abscess; Appendiceal abscess; Application site abscess; Arteriovenous graft site abscess; Bacterial abscess central nervous system; Bartholin's abscess; Biliary abscess; Bone abscess; Brain abscess; Breast abscess; Cardiac valve abscess; Catheter site abscess; Central nervous system abscess; Chest wall abscess; Clitoris abscess; Colonic abscess; Corneal abscess; Douglas' abscess; Dural abscess; Extradural abscess; Eye abscess; Fallopian tube abscess; Fungal abscess central nervous system; Gallbladder abscess; Genital abscess; Gingival abscess; Groin abscess; Implant site abscess; Incision site abscess; Infusion site abscess; Injection site abscess; Injection site abscess sterile; Instillation site abscess; Joint abscess; Liver abscess; Lung abscess; Lymph node abscess; Mastoid abscess; Mediastinal abscess; Mesenteric abscess; Muscle abscess; Mycobacterium abscessus infection; Myocardiac abscess; Nasal abscess; Ovarian abscess; Pancreatic abscess; Parametric abscess; Paraoesophageal abscess; Paraspinal abscess; Parathyroid gland abscess; Parotid abscess; Pelvic abscess; Penile abscess; Perihepatic abscess; Perineal abscess; Perinephric abscess; Periorbital abscess; Perirectal abscess; Peritoneal abscess; Peritonsillar abscess; Periumbilical abscess; Pharyngeal abscess; Pharyngolaryngeal abscess; Postoperative abscess; Prostatic abscess; Psoas abscess; Puncture site abscess; Pyloric abscess; Rectal abscess; Rectovaginal septum abscess; Renal abscess; Retroperitoneal abscess: Scrotal abscess: Spinal cord abscess: Splenic abscess: Staphylococcal abscess: Stitch abscess; Stoma site abscess; Streptococcal abscess; Subarachnoid abscess; Subcutaneous abscess; Subdiaphragmatic abscess; Testicular abscess; Thymus abscess;

Property

Abdominal and Pelvic Abscess Abdominal abscess; Abdominal wall abscess; Abscess intestinal discess; Appendiace 1 discuss; Appendiace Thyroid gland abscess; Tongue abscess; Tooth abscess; Transplant abscess; Tuberculous

Intra-Abdominal and Pelvic Abscess

Anal abscess; Appendiceal abscess; Biliary abscess; Clitoris abscess; Colonic abscess; Douglas' abscess; Fallopian tube abscess; Gallbladder abscess; Genital abscess; Groin abscess; Liver abscess; Mesenteric abscess; Ovarian abscess; Pancreatic abscess; Parametric abscess; Pelvic abscess; Penile abscess; Perihepatic abscess; Perineal abscess; Perinephric abscess; Perirectal abscess; Peritoneal abscess; Periumbilical abscess; Prostatic abscess; Psoas abscess; Pyloric abscess; Rectal abscess; Rectovaginal septum abscess; Renal abscess; Retroperitoneal abscess; Scrotal abscess; Splenic abscess; Stoma site abscess; Subdiaphragmatic abscess; Testicular abscess; Tubo-ovarian abscess; Urachal abscess; Ureter abscess; Urethral abscess; Urinary bladder abscess; Urinary tract abscess; Uterine abscess: Vaginal abscess: Vulval abscess

Hemorrhage •

> Abdominal wall haematoma; Abdominal wall haemorrhage; Abnormal withdrawal bleeding; Adrenal haematoma; Adrenal haemorrhage; Anal haemorrhage; Anal ulcer haemorrhage; Anastomotic haemorrhage; Anastomoticalcer haemorrhage; Aneurysm ruptured; Anorectal varices haemorrhage; Aortic aneurysm rupture; Aortic dissection rupture; Aortic intramural haematoma; Aortic rupture; Arterial haemorrhage; Arterial rupture; Arteriovenous fistula site haematoma; Arteriovenous fistula site haemorrhage; Arteriovenous graft site haematoma; Arteriovenous graft site haemorrhage; Atrial rupture; Auricular haematoma; Basal ganglia haemorrhage, Bladder tamponade; Bleeding varicose vein; Blood blister; Blood loss anaemia; Blood urine; Blood urine present; Bloody discharge; Bloody peritoneal effluent; Bone marrow haemorrhage; Brain stem haematoma; Brain stem haemorrhage; Breast haematoma, Breast haemorrhage; Broad ligament haematoma; Bronchial haemorrhage; Carotid aneurysm rupture; Catheter site haemorrhage; Central nervous system haemorrhage; Cephalhaematoma; Cerebellar haematoma; Cerebellar haemorrhage; Cerebral arteriovenous malformation haemorrhagic; Cerebral haematoma; Cerebral haemorrhage; Cerebral haemorrhage foetal; Cerebral haemorrhage neonatal; Cerebral microhaemorrhage; Cervix haematoma uterine; Cervix haemorrhage uterine; Choroidal haematoma; Choroidal haemorrhage; Chronic gastrointestinal bleeding; Ciliary body haemorrhage; Colonic haematoma; Conjunctival haemorrhage; Corneal bleeding; Cullen's sign; Cystitis haemorrhagic; Deep dissecting haematoma; Diarrhoea haemorrhagic; Diverticulitis intestinal haemorrhagic; Diverticulum intestinal haemorrhagic; Duodenal ulcer haemorrhage; Duodenitis haemorrhagic; Dysfunctional uterine bleeding; Ear haemorrhage; Encephalitis haemorrhagic; Enterocolitis haemorrhagic; Epidural haemorrhage; Epistaxis; Exsanguination; Extradural haematoma; Extravasation blood; Eye contusion; Eye

	Page 58 of 64
Statistical Analysis Plan Version 2	5 September 2019

Termsofuse haemorrhage; Eyelid bleeding; Foetal-maternal haemorrhage; Gastric haemorrhage; Gastric ulcer haemorrhage; Gastric ulcer haemorrhage, obstructive; Gastric varices haemorrhage; Gastritis haemorrhagic; Gastroduodenal haemorrhage; Gastrointestinal haemorrhage; Gastrointestinal polyp haemorrhage; Gastrointestinal ulcer haemorrhage; Gastrointestinal vascular malformation haemorrhagic; Genital haemorrhage; Gingival bleeding; Graft haemorrhage; Haemarthrosis; Haematemesis; Haematochezia; Haematoma; Haematosalpinx; Haematospermia; Haematotympanum; Haematuria; Haemobilia; Haemoptysis; Haemorrhage; Haemorrhage coronary artery; Haemorrhage foetal; Haemorrhage in pregnancy; Haemorrhage intracranial; Haemorrhage neonatal; Haemorrhage subcutaneous; Haemorrhage subepidermal; Haemorrhage urinary tract; Haemorrhagic arteriovenous malformation; Haemorrhagic ascites; Haemorrhagic cerebral infarction; Haemorrhagic diathesis; Haemorrhagic disease of newborn; Haemorrhagic disorder; Haemorrhagic erosive gastritis; Haemorrhagic hepatic cyst; Haemorrhagic infarction; Haemorrhagic ovarian cyst; Haemorrhagic stroke; Haemorrhagic thyroid cyst; Haemorrhagic transformation stroke; Haemorrhagic tumour necrosis; Haemorrhagic urticaria; Haemorrhagic vasculitis; Haemorrhoidal haemorrhage; Haemostasis; Haemothorax; Hepatic haemangioma rupture; Hepatic haematoma; Hepatic haemorrhage; Hyphaema; Iliac artery rupture; Implant site haemorrhage; Incision site haemorrhage; Infusion site haemorrhage; Injection site haemorrhage; Instillation site haemorrhage; Intestinal haematoma; Intestinal haemorrhage; Intra-abdominal haematoma; Intra-abdominal haemorrhage; Intracerebral haematoma evacuation; Intracranial haematoma; Intracranial tumour haemorrhage; Intraocular haematoma; Intraventricular haemorrhage; Intraventricular haemorrhage neonatal; Iris haemorrhage acrimal haemorrhage; Large intestinal haemorrhage; Large intestinal ulcer haemorrhage; Laryngeal haematoma; Laryngeal haemorrhage; Lip haematoma; Lip haemorrhage; Lower gastrointestinal haemorrhage; Lymph node haemorrhage; Mallory-Weiss syndrome; Mediastinal haematoma; Mediastinal haemorrhage; Melaena; Melaena neonatal; Meningorrhagia; Menometrorrhagia; Menorrhagia; Mesenteric haematoma; Mesenteric haemorrhage; Metrorrhagia; Mouth haemorrhage; Mucosal haemorrhage; Muscle haemorrhage; Myocardial haemorrhage; Myocardial rupture; Naevus haemorrhage; Neonatal gastrointestinal haemorrhage; Nephritis haemorrhagic; Ocular retrobulbar haemorrhage; Oesophageal haemorrhage; Oesophageal ulcer haemorrhage; Oesophageal varices haemorrhage; Oesophagitis haemorrhagic; Optic disc haemorrhage; Optic nerve sheath haemorrhage; Oral mucosa haematoma; Osteorrhagia; Ovarian haematoma; Ovarian haemorrhage; Pancreatic haemorrhage; Pancreatitis haemorrhagic; Papillary muscle haemorrhage; Paranasal sinus haematoma; Parathyroid haemorrhage; Parotid gland haemorrhage; Pelvic haematoma; Pelvic haematoma obstetric; Pelvic haemorrhage; Penile haematoma; Penile haemorrhage; Peptic ulcer haemorrhage; Pericardial haemorrhage; Perineal haematoma; Periorbital haematoma; Peripartum haemorrhage; Perirenal haematoma; Peritoneal haematoma; Peritoneal haemorrhage; Pharyngeal haematoma; Pharyngeal haemorrhage; Pituitary haemorrhage; Polymenorrhagia; Post procedural haemorrhage; Postmenopausal haemorrhage; Premature separation of placenta; Procedural haemorrhage; Proctitis haemorrhagic; Prostatic haemorrhage; Pulmonary alveolar haemorrhage; Pulmonary haematoma; Pulmonary haemorrhage;

Property

Cabozantinib-2003	Page 59 of 64
Statistical Analysis Plan Version 2	5 September 2019

The of Use Puncture site haemorrhage; Putamen haemorrhage; Radiation associated haemorrhage; Rectal haemorrhage; Rectal ulcer haemorrhage; Renal cyst haemorrhage; Renal haematoma; Renal haemorrhage; Respiratory tract haemorrhage; Respiratory tract haemorrhage neonatal; Retinal haemorrhage; Retinopathy haemorrhagic; Retroperitoneal haematoma; Retroperitoneal haemorrhage; Retroplacental haematoma; Ruptured cerebral aneurysm; Scleral haemorrhage; Scrotal haematocoele; Scrotal haematoma; Shock haemorrhagic; Skin haemorrhage; Skin ulcer haemorrhage; Small intestinal haemorrhage; Small intestinal ulcer haemorrhage; Soft tissue haemorrhage; Spermatic cord haemorrhage; Spinal cord haematoma; Spinal cord haemorrhage; Spinal epidural haematoma; Spinal epidural haemorrhage; Spinal subarachnoid haemorrhage; Spinal subdural haematoma; Spinal subdural haemorrhage; Splenic haematoma; Splenic haemorrhage; Splenic varices haemorrhage; Splinter haemorrhages; Spontaneous haematoma; Spontaneous haemorrhage; Stoma site haemorrhage; Stomatitis haemorrhagic; Subarachnoid haemorrhage; Subarachnoid haemorrhage neonatal; Subchorionic haematoma; Subcutaneous haematoma; Subdural haematoma; Subdural haematoma evacuation; Subdural haemorrhage; Subdural haemorrhage neonatal; Subgaleal haematoma; Subretinal haematoma; Testicular haemorrhage; Thalamus haemorrhage; Thoracic haemorrhage; Thrombocytopenic purpura; Thrombotic thrombocytopenic purpura; Thyroid haemonhage; Tongue haematoma; Tongue haemorrhage; Tonsillar haemorrhage; Tooth pulp haemorrhage; Tooth socket haemorrhage; Tracheal haemorrhage; Tumour haemorrhage; Ulcer haemorrhage; Upper gastrointestinal haemorrhage; Ureteric haemorrhage; Urethral haemorrhage; Urinary bladder haemorrhage; Urogenital haemorrhage; Uterine haematoma; Uterine haemorrhage; Vaccination site haemorrhage; Vaginal haematoma; Vaginal haemorrhage; Varicose vein ruptured; Vascular pseudoaneurysm ruptured; Vascular purpura; Vascular rupture; Venous haemorrhage; Ventricle rupture; Vessel puncture site haemorrhage; Vitreous haematoma; Vitreous haemorrhage; Vulval haematoma; Vulval haematoma evacuation; Vulval haemorrhage; Wound haemorrhage

Arterial Thrombotic Events

Acute aortic syndrome, Acute myocardial infarction; Aortic embolus; Aortic thrombosis; Arterial occlusive disease; Arterial thrombosis; Basal ganglia infarction; Basal ganglia stroke; Basilar artery occlusion; Basilar artery thrombosis; Bone infarction; Brachiocephalic artery occlusion; Brain stem embolism; Brain stem infarction; Brain stem stroke; Brain stem thrombosis; Carotid arterial embolus; Carotid artery occlusion; Carotid artery thrombosis; Cerebellar artery occlusion; Cerebellar artery thrombosis; Cerebellar embolism; Cerebellar infarction; Cerebral artery embolism; Cerebral artery occlusion; Cerebral artery thrombosis; Cerebral infarction; Cerebral infarction foetal; Cerebral ischaemia; Cerebral septic infarct; Cerebral thrombosis; Cerebrovascular accident; Choroidal infarction; Coeliac artery occlusion; Coronary artery embolism; Coronary artery occlusion; Coronary artery reocclusion; Coronary artery thrombosis; Coronary bypass thrombosis; Embolic cerebral infarction; Embolic stroke; Embolism arterial; Femoral artery embolism; Hepatic artery embolism; Hepatic artery occlusion; Hepatic artery thrombosis; Hepatic infarction; Iliac artery embolism; Iliac artery occlusion; Infarction; Inner ear infarction; Intestinal infarction;

Cabozantinib-2003	Page 60 of 64
Statistical Analysis Plan Version 2	5 September 2019

The of Use Ischaemic cerebral infarction; Ischaemic stroke; Lacunar infarction; Leriche syndrome; Mesenteric arterial occlusion; Mesenteric artery embolism; Mesenteric artery thrombosis; Myocardial infarction; Myocardial necrosis; Optic nerve infarction; Pancreatic infarction; Papillary muscle infarction; Penile artery occlusion; Peripheral arterial occlusive disease; Peripheral arterial reocclusion; Peripheral artery occlusion; Peripheral artery thrombosis; Peripheral embolism; Pituitary infarction; Placental infarction; Post procedural myocardial infarction; Post procedural stroke; Precerebral artery occlusion; Precerebral artery thrombosis; Renal artery occlusion; Renal artery thrombosis; Renal embolism; Renal infarct; Retinal artery embolism; Retinal artery occlusion; Retinal artery thrombosis; Retinal infarction; Retinal vascular thrombosis; Silent myocardial infarction; Spinal artery embolism; Spinal artery thrombosis; Spinal cord infarction; Splenic artery thrombosis; Splenic embolism; Splenic infarction; Splenic thrombosis; Stroke in evolution; Subclavian artery embolism; Subclavian artery occlusion; Subclavian artery thrombosis; Thalamic infarction; Thrombotic cerebral infarction; Thrombotic microangiopathy; Thrombotic stroke; Thyroid infarction; Transient ischaemic attack; Truncus coeliacus thrombosis; Vertebral artery occlusion; Vertebral artery thrombosis

• Venous and Mixed/Unspecified Thrombotic Events

Arteriovenous fistula occlusion; Arteriovenous fistula thrombosis; Atrial thrombosis; Axillary vein thrombosis; Budd-Chiari syndrome; Cardiac ventricular thrombosis; Cavernous sinus thrombosis; Cerebral venous thrombosis; Cerebrospinal thrombotic tamponade; Deep vein thrombosis; Deep vein thrombosis postoperative; Embolism venous; Graft thrombosis; Haemorrhoids thrombosed; Hepatic vascular thrombosis; Hepatic vein occlusion; Hepatic vein thrombosis; Homans' sign positive; Iliac vein occlusion; Implant site thrombosis; Inferior vena cava syndrome; Inferior vena caval occlusion; Infusion site thrombosis; Injection site thrombosis; Instillation site thrombosis; Intracardiac thrombus; Intracranial venous sinus thrombosis; Jugular vein thrombosis; Mesenteric vascular occlusion; Mesenteric vein thrombosis; Mesenteric venous occlusion; Microembolism; Obstetrical pulmonary embolism; Ophthalmic vein thrombosis; Ovarian vein thrombosis; Paget-Schroetter syndrome; Paradoxical embolism; Pelvic venous thrombosis; Penile vein thrombosis; Portal vein occlusion; Portal vein thrombosis; Post procedural pulmonary embolism; Post thrombotic syndrome; Postoperative thrombosis; Postpartum venous thrombosis; Pulmonary artery thrombosis; Pulmonary embolism; Pulmonary infarction; Pulmonary microemboli; Pulmonary thrombosis; Pulmonary vein occlusion; Pulmonary veno-occlusive disease; Pulmonary venous thrombosis; Renal vascular thrombosis; Renal vein embolism; Renal vein occlusion; Renal vein thrombosis; Retinal vein occlusion; Retinal vein thrombosis; Shunt occlusion; Shunt thrombosis; Splenic vein occlusion; Splenic vein thrombosis; Stoma site thrombosis; Subclavian vein thrombosis; Superior sagittal sinus thrombosis; Superior vena cava occlusion; Superior vena cava syndrome; Thrombophlebitis; Thrombophlebitis migrans; Thrombophlebitis neonatal; Thrombophlebitis superficial; Thrombosed varicose vein; Thrombosis; Thrombosis corpora cavernosa; Thrombosis in device; Thrombosis mesenteric vessel; Transverse sinus thrombosis; Tumour thrombosis; Umbilical cord thrombosis; Vascular graft thrombosis; Vena cava embolism; Vena cava

Cabozantinib-2003	Page 61 of 64
Statistical Analysis Plan Version 2	5 September 2019

rems of Use thrombosis; Venoocclusive disease; Venoocclusive liver disease; Venous occlusion; Venous thrombosis; Venous thrombosis in pregnancy; Venous thrombosis limb; Venous thrombosis neonatal; Vessel puncture site thrombosis

Wound Complication

Abdominal wound dehiscence; Ciliary zonular dehiscence; Culture wound positive; Fungating wound; Impaired healing; Incision site cellulitis; Incision site complication: Incision site ulcer; Incisional drainage; Incisional hernia; Incisional hernia gangrenous; Incisional hernia repair; Incisional hernia, obstructive; Inflammation of wound; Postoperative wound complication; Postoperative wound infection; Uterine dehiscence; Wound complication; Wound contamination; Wound decomposition; Wound dehiscence; Wound drainage; Wound evisceration; Wound infection; Wound infection bacterial; Wound infection fungal; Wound infection helminthic; Wound infection pseudomonas; Wound infection staphylococcal; Wound infection viral; Wound necrosis; Wound secretion; Wound sepsis

Hypertension

Accelerated hypertension; Blood pressure ambulatory increased; Blood pressure diastolic increased; Blood pressure inadequately controlled; Blood pressure increased; Blood pressure management; Blood pressure orthostatic increased; Blood pressure systolic increased; Cardiometabolic syndrome; Diastolic hypertension; Eclampsia; Endocrine hypertension; Essential hypertension; Gestational hypertension; HELLP syndrome; Hyperaldosteronism; Hypertension; Hypertension neonatal; Hypertensive angiopathy; Hypertensive cardiomegaly; Hypertensive cardiomyopathy; Hypertensive crisis; Hypertensive emergency; Hypertensive encephalopathy; Hypertensive heart disease; Hypertensive nephropathy; Labile hypertension; Malignant hypertension; Malignant hypertensive heart disease; Malignant renal hypertension Maternal hypertension affecting foetus; Mean arterial pressure increased; Neurogenic hypertension; Orthostatic hypertension; Pre-eclampsia; Prehypertension; Procedural hypertension; Renal hypertension; Renal sympathetic nerve ablation; Renovascular hypertension; Retinopathy hypertensive; Secondary aldosteronism; Secondary hypertension; Systolic hypertension; Withdrawal hypertension

Osteonecrosis

Alveolar osteitis; Bone debridement; Bone infarction; Bone sequestrum; Dental necrosis; Exposed bone in jaw: Osteonecrosis: Osteonecrosis of jaw: Osteoradionecrosis: Periodontal destruction

PPES

Palmar-plantar erythrodysaesthesia syndrome

Proteinuria

Albumin urine; Albuminuria; Nephrotic syndrome; Protein urine; Proteinuria

**RPLS** 

Diarrhea

Antidiarrhoeal supportive care; Bacterial diarrhoea; Diarrhoea; Diarrhoea haemorrhagic; Chife Diarrhoea infectious; Diarrhoea infectious neonatal; Diarrhoea neonatal; Post procedural diarrhoea; Prophylaxis against diarrhoea; Viral diarrhoea QT Prolongation Electrocardiogram QT interval

**QT** Prolongation

syndrome; Torsade de pointes

**Renal Failure** 

Anuria; Diabetic end stage renal disease; Oliguria; Renal failure; Renal failure neonatal; Renal impairment neonatal; Neonatal anuria; Crush syndrome; Pancreatorenal syndrome; Postrenal failure; Renal injury; Renal impairment; Scleroderma renal crisis; Chronic kidney disease; Acute kidney injury; Prerenal failure; End stage renal disease; Foetal renal onlyand impairment; Subacute kidney injury

Hypothyroidism

Hypothyroidism

Hepatotoxicity

Property

Hepatotoxicity Acquired hepatocerebral degeneration, Acute hepatic failure; Acute on chronic liver failure; Acute yellow liver atrophy; Ascites: Asterixis; Bacterascites; Biliary cirrhosis; Biliary fibrosis; Cholestatic liver injury, Chronic hepatic failure; Coma hepatic; Cryptogenic cirrhosis; Diabetic hepatopathy; Drug-induced liver injury; Duodenal varices; Gallbladder varices; Gastric variceal injection; Gastric variceal ligation; Gastric varices; Gastric varices haemorrhage; Hepatectomy; Hepatic atrophy; Hepatic calcification; Hepatic cirrhosis; Hepatic encephalopathy; Hepatic encephalopathy prophylaxis; Hepatic failure; Hepatic fibrosis; Hepatic hydrothorax; Hepatic infiltration eosinophilic; Hepatic lesion; Hepatic necrosis; Hepatic steato-fibrosis; Hepatic steatosis; Hepatitis fulminant; Hepatobiliary disease; Hepatocellular foamy cell syndrome; Hepatocellular injury; Hepatopulmonary syndrome; Hepatorenal failure; Hepatorenal syndrome; Hepatotoxicity; Intestinal varices; Intestinal varices haemorrhage; Liver dialysis; Liver disorder; Liver injury; Liver operation; Liver transplant; Lupoid hepatic cirrhosis; Minimal hepatic encephalopathy; Mixed liver injury; Nodular regenerative hyperplasia; Nonalcoholic fatty liver disease; Non-alcoholic steatohepatitis; Non-cirrhotic portal hypertension; Oedema due to hepatic disease; Oesophageal varices haemorrhage; Peripancreatic varices; Portal fibrosis; Portal hypertension; Portal hypertensive colopathy; Portal hypertensive enteropathy; Portal hypertensive gastropathy; Portal vein cavernous transformation; Portal vein dilatation; Portopulmonary hypertension; Primary biliary cholangitis; Regenerative siderotic hepatic nodule; Renal and liver transplant; Retrograde portal vein flow; Reye's syndrome; Reynold's

Cabozantinib-2003	Page 63 of 64
Statistical Analysis Plan Version 2	5 September 2019

syndrome; Splenic varices; Splenic varices haemorrhage; Steatohepatitis; Subacute hepatic failure; Varices oesophageal; Varicose veins of abdominal wall; White nipple sign; Anorectal varices; Anorectal varices haemorrhage; Intrahepatic portal hepatic venous fistula; Peritoneovenous shunt; Portal shunt; Portal shunt procedure; Small-for-size liver syndrome; Spider naevus; Splenorenal shunt; Splenorenal shunt procedure; Spontaneous intrahepatic portosystemic venous shunt; Stomal varices; Acute graft versus host disease in liver; Allergic hepatitis; Alloimmune hepatitis; Autoimmune hepatitis; Chronic graft versus host disease in liver; Chronic hepatitis; Graft versus host disease in liver; Hepatitis; Hepatitis acute; Hepatitis cholestatic; Hepatitis chronic active; Hepatitis chronic persistent; Hepatitis toxic; Immune-mediated hepatitis; Ischaemic hepatitis; Lupus hepatitis; Radiation hepatitis; Granulomatous liver disease; Liver sarcoidosis; Portal tract inflammation; Benign hepatic neoplasm; Benign hepatobiliary neoplasm; Focal nodular hyperplasia; Haemangioma of liver; Haemorrhagic hepatic cyst; Hepatic adenoma; Hepatic cyst; Hepatic cyst ruptured; Hepatic haemangioma rupture; Hepatic hamartoma; Hepatobiliary cyst; Cholangiosarcoma; Hepatic angiosarcoma; Hepatic cancer; Hepatic cancer metastatic; Hepatic cancer recurrent; Hepatic cancer stage I; Hepatic cancer stage II; Hepatic cancer stage III; Hepatic cancer stage IV; Hepatobiliary cancer; Hepatobiliary cancer in situ, Hepatoblastoma; Hepatoblastoma recurrent; Hepatocellular carcinoma; Liver carcinoma ruptured; Mixed hepatocellular cholangiocarcinoma; Liver ablation; Hepatic neoplasm; Hepatobiliary neoplasm; Cardiohepatic syndrome; Complications of transplanted liver; Increased liver stiffness; Liver and pancreas transplant rejection; Liver transplant rejection; Multivisceral transplantation; Partial splenic embolisation

# 9.4 Statistical Analysis Plan Version 2 Summary of Changes

The changes of Statistical Analysis Plan Version 1 are as follows:

- 7.1.1 Definition of Agent Targeting PD-1, PD-L1/L2 was revised to reflect the data review results.
  - Added: BGB A317
- 7.4 Analysis category for Number of Involved Organs per IRC at Baseline was changed in response to the data review results.

Changed to [0, 1, 2, 3<= - <=Max] from [1, 2, 3<= - <=Max]

• 9.3 Definition of Treatment-Emergent Adverse Events to Monitor was revised in response to the update of MedDRA version to 22.0.

Hemorrhage

- ✓ Added: Blood loss anaemia
- ✓ Deleted: Gastroduodenitis haemorrhagic; Haemorrhagic anaemia
- Hypertension

- Added: Cardiometabolic syndrome  $\checkmark$
- Deleted: Metabolic syndrome  $\checkmark$
- Osteonecrosis _
  - $\checkmark$ Added: Bone sequestrum
  - Deleted: Primary sequestrum; Secondary sequestrum; Tertiary sequestrum  $\checkmark$
- **Renal Failure** _
  - Added: Subacute kidney injury  $\checkmark$
- Hepatotoxicity _
- im terms of USE Added: Nonalcoholic fatty liver disease; Cardiohepatic syndrome; Complications of  $\checkmark$ transplanted liver; Increased liver stiffness; Liver and pancreas transplant rejection; Liver transplant rejection; Multivisceral transplantation; Partial splenic .plant; } enoperhydertakeda.Fornoncommercialuse onwand f embolisation
  - Deleted: Liver and small intestine transplant; Non-alcoholic fatty liver;

