



Medical & Education Training

Lenvatinib SELECT Trial

Differentiated Thyroid Carcinoma

Review of Select Adverse Reactions



Summary of Most Common Adverse Reactions Observed in SELECT

Time to First Onset of Most Common Adverse Reactions ($\geq 5\%$) Resulting in Dose Reductions or Interruption of Lenvatinib

Adverse Reaction <i>(listed in alphabetical order)</i>	SELECT Protocol	SELECT Safety Results
Abdominal Pain	Protocol Management	Safety Summary & PI Management
Arthralgia/Myalgia	Protocol Management	Safety Summary & PI Management
Decreased Appetite/Weight	Protocol Management	Safety Summary & PI Management
Diarrhea	Protocol Management	Safety Summary & PI Management
Fatigue	Protocol Management	Safety Summary & PI Management
Headache	Protocol Management	Safety Summary & PI Management
Hypertension	Protocol Management	Safety Summary & PI Management
Nausea/Vomiting	Protocol Management	Safety Summary & PI Management
PPE	Protocol Management	Safety Summary & PI Management
Proteinuria	Protocol Management	Safety Summary & PI Management
Stomatitis	Protocol Management	Safety Summary & PI Management

Table of Abbreviations

Abbreviation	Definition
ACE	Angiotensin-converting enzyme
ADL	Activity of daily living
AE	Adverse event
AR	Adverse reaction
ARB	Angiotensin receptor blockers
BP	Blood pressure
CTCAE	Common terminology criteria for adverse events
DBP	Diastolic blood pressure
DTC	Differentiated thyroid carcinoma
NCI	National Cancer Institute
PI	Prescribing information
PO	Taken orally
PPE	Palmar-plantar erythrodysesthesia
QD	Once daily
RAI-rDTC	Radioactive iodine-refractory differentiated thyroid carcinoma
SBP	Systolic blood pressure
TEAE	Treatment-emergent adverse event
TPN	Total parenteral nutrition
WNL	Within normal limits

Select ARs Observed with Lenvatinib

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Common Terminology Criteria for Adverse Events (CTCAE)

- The NCI Common Terminology Criteria for Adverse Events (CTCAE) is a descriptive terminology that provides a grading (severity) scale for an AE Term, which can be utilized for Adverse Event (AE) reporting
- The CTCAE displays Grades 1 through 5 with unique clinical descriptions of severity for an AE term based on the general guideline shown below
- Adverse reactions listed on the label may include various preferred terms as reported in the trial; however, the CTCAE doesn't include a matching AE Term for all Preferred Terms
- CTCAE Term or General Guideline used for grading was at the discretion of the investigators

CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
General Guideline	• Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated	• Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL	• Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL	• Life-threatening consequences; urgent intervention indicated	• Death related to AE

Activities of Daily Living (ADL)	
Instrumental ADL	Self care ADL
• Refers to preparing meals, shopping for groceries or clothes, using the telephone, managing money, etc.	• Refers to bathing, dressing and undressing, feeding self, using the toilet, taking medications, and not bedridden

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Most Common Adverse Reactions

Most common ARs (≥30%) ^a		n=261
Hypertension		73%
Fatigue		67%
Diarrhea		67%
Arthralgia/myalgia		62%
Decreased appetite		54%
Decreased weight		51%
Nausea		47%
Stomatitis		41%
Headache		38%
Vomiting		36%
Proteinuria		34%
PPE		32%
Abdominal pain		31%
Dysphonia		31%

Most common serious ARs (≥2%) ^a		n=261
Pneumonia		4%
Hypertension		3%
Dehydration		3%

a. In lenvatinib-treated patients (in order of decreasing frequency).

- SELECT randomized (2:1) patients with RAI-R DTC to lenvatinib (n=261) or placebo (n=131)
- Among 261 patients who received lenvatinib, median age was 64 years, 52% were females, 80% were White, 18% were Asian, and 2% were Black; and 4% were Hispanic/Latino

Median duration of treatment for lenvatinib		n=261
16.1 months		

Dose reductions due to ARs		n=261
Lenvatinib 24 mg		68%

Discontinuations due to ARs		n=261
Lenvatinib 24 mg		18%

Most common ARs (≥10%) resulting in lenvatinib dose reductions ^a		n=261
Hypertension		13%
Proteinuria		11%
Decreased appetite		10%
Diarrhea		10%

Most common ARs (≥1%) resulting in lenvatinib discontinuation ^a		n=261
Hypertension		1%
Asthenia		1%

* Refer to next slide for preferred terms included in adverse reaction definition

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Adverse Events Included in Each Adverse Reaction by Preferred Term

- ARs (grouped preferred terms per FDA definitions) were applied in accordance with the FDA prescribing information (PI) for lenvatinib

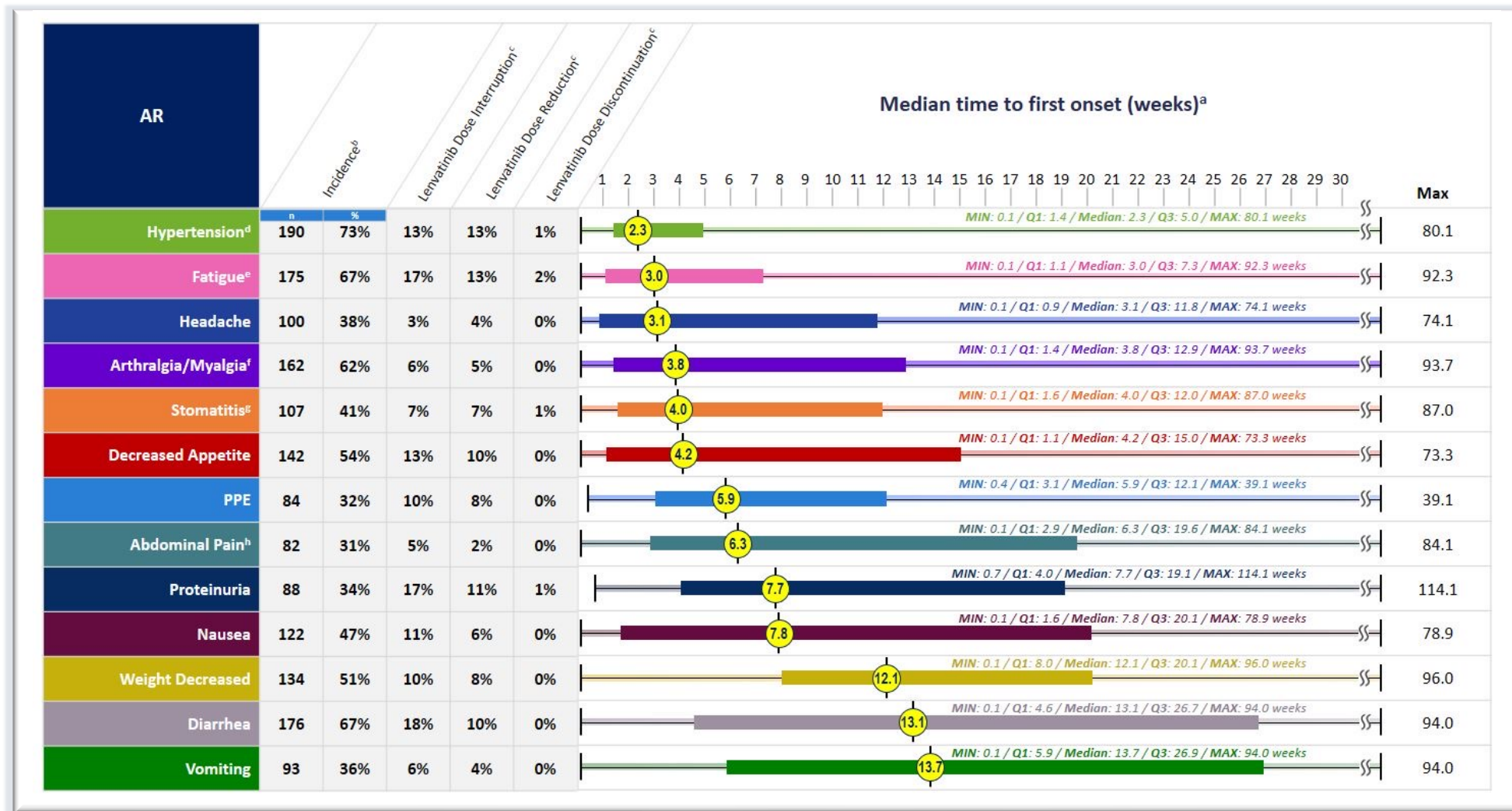
AR <i>(listed in alphabetical order)</i>	CMQ preferred terms included
Abdominal pain	• Abdominal discomfort, abdominal pain, lower abdominal pain, upper abdominal pain, abdominal tenderness, epigastric discomfort, GI pain
Arthralgia/Myalgia	• Musculoskeletal pain, back pain, pain in extremity, arthralgia, myalgia
Decreased appetite	• Decreased appetite
Diarrhea	• Diarrhea
Fatigue	• Asthenia, fatigue, malaise
Headache	• Headache
Hypertension	• Hypertension, hypertensive crisis, increased BP diastolic, increased BP
Nausea	• Nausea
PPE	• PPE
Proteinuria	• Proteinuria
Stomatitis	• Aphthous stomatitis, stomatitis, glossitis, mouth ulceration, and mucosal inflammation
Vomiting	• Vomiting
Weight decreased	• Weight decreased

This is a post-hoc exploratory analysis for descriptive purpose only.

SELECT: Study 303: Phase 3 Study of Lenvatinib in RAI-R DTC



Post-hoc Analysis of Time to First Onset of Most Common ARs Leading to Dose Reduction or Interruption of Lenvatinib (≥5%) (n=261)



- a. Median time to first onset in patients that experience the AR
- b. All Grades
- c. Percentages are based on the total number of patients
- d. Includes hypertension, hypertensive crisis, increased DBP, and increased BP
- e. Includes asthenia, fatigue, and malaise
- f. Includes musculoskeletal pain, back pain, pain in extremity, arthralgia, and myalgia
- g. Includes aphthous stomatitis, stomatitis, glossitis, mouth ulceration, and mucosal inflammation
- h. Includes abdominal discomfort, abdominal pain, lower abdominal pain, upper abdominal pain, abdominal tenderness, epigastric discomfort, and gastrointestinal pain

This is a post-hoc exploratory analysis for descriptive purpose only

Hypertension

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SELECT Study Results and Lenvatinib PI Recommendations: Hypertension



HYPERTENSION ^a	Lenvatinib (n=261) ¹									
	INCIDENCE						ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
								Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
	6%	22%	44%	0%	0%	73%	2.3 weeks	13%	13%	1%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 190 patients that experienced hypertension.

Lenvatinib PI Recommendations²



Prior to initiating lenvatinib:

- Control blood pressure



Monitor blood pressure:

- After 1 week
- Then every 2 weeks for the first 2 months
- And then at least monthly thereafter during treatment

For Grade 3 hypertension
(SBP ≥160 mm Hg or DBP ≥100 mm Hg)
that persists despite optimal hypertensive therapy

Withhold lenvatinib

When hypertension is controlled at
≤ Grade 2
(SBP 140–159 mm Hg ; DBP 90–99mm Hg)

Resume lenvatinib at reduced dose

For Grade 4 hypertension

Permanently discontinue lenvatinib

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1. Eisai Stats Report: LEN303MSL-ARMGM: 23 JUL 2020

2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Hypertension	Hypertension	<ul style="list-style-type: none"> Systolic BP 120–139 mm Hg or diastolic BP 80–89 mm Hg 	<ul style="list-style-type: none"> Systolic BP 140–159 mm Hg or diastolic BP 90–99 mm Hg; medical intervention indicated; recurrent or persistent (≥24hrs); symptomatic increase by >20 mm Hg (diastolic) or to >140/90 mm Hg if previously WNL; monotherapy indicated 	<ul style="list-style-type: none"> Systolic BP ≥160 mm Hg or diastolic BP ≥100 mm Hg; medical intervention indicated; more than one drug or more intensive therapy than previously used indicated 	<ul style="list-style-type: none"> Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> Death
Hypertensive crisis	Not listed in CTCAE	CTCAE Term or General Guideline used for grading was at the discretion of the investigators				
Increased BP						
Increased diastolic BP						
	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	<ul style="list-style-type: none"> Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated 	<ul style="list-style-type: none"> Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL 	<ul style="list-style-type: none"> Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL 	<ul style="list-style-type: none"> Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> Death related to AE

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Blood Pressure Monitoring

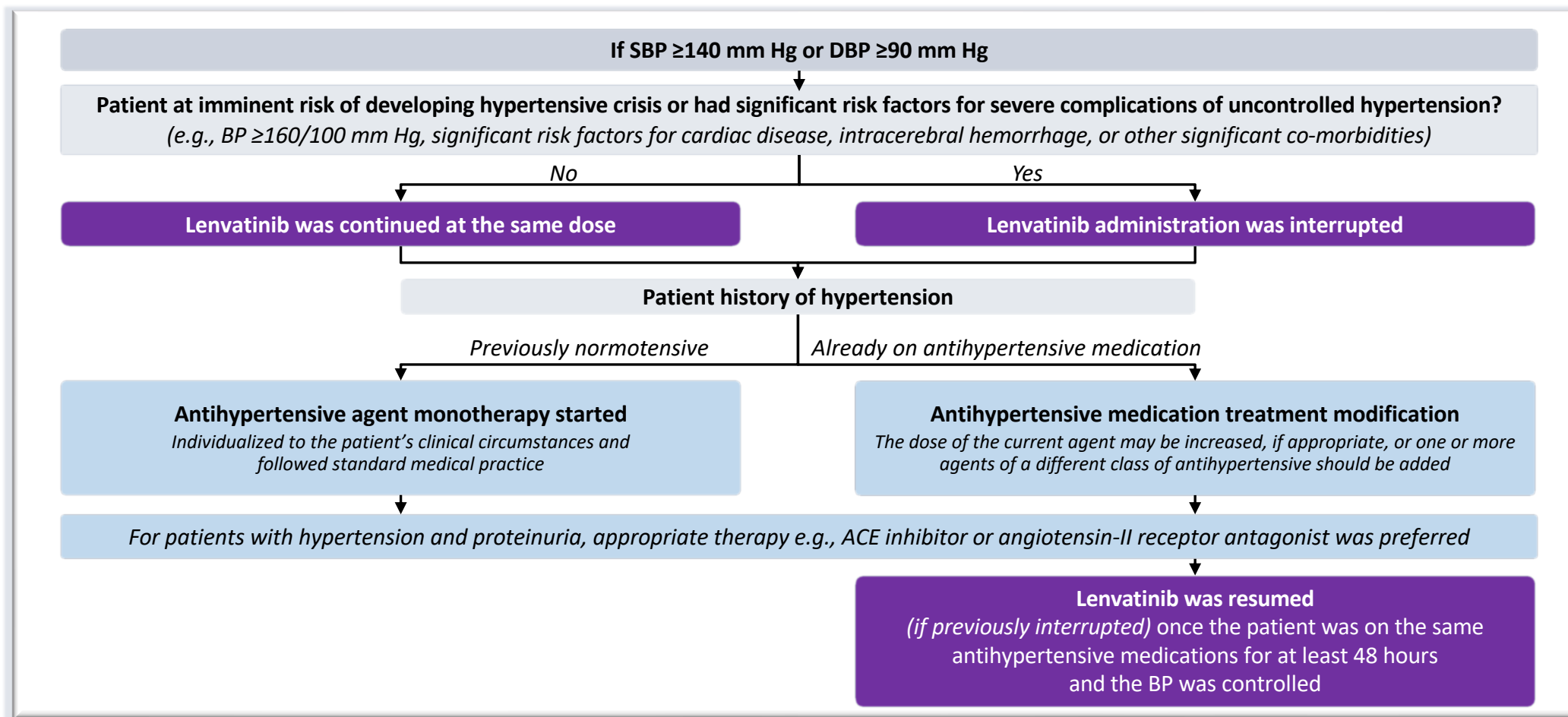
BP Monitoring:

- Early detection and effective management of hypertension were important to minimize the need for lenvatinib dose interruptions and reductions
- BP assessments during the Treatment Period were required at:

<u>Cycles 1 and 2</u>	<u>Cycle 3 and Subsequent Cycles</u>	<u>Off-treatment Visit</u>
<ul style="list-style-type: none">▪ Day 1 and Day 15	<ul style="list-style-type: none">▪ Day 1^a <p><i>a. <u>Note</u>: for patients with SBP ≥160 mm Hg or DBP ≥100 mm Hg, BP assessment was also required on Day 15 (or more frequently as clinically indicated)</i></p> <ul style="list-style-type: none">• <i>Until SBP had been ≤150 mm Hg and DBP had been ≤95 mm Hg for 3 consecutive months</i>	

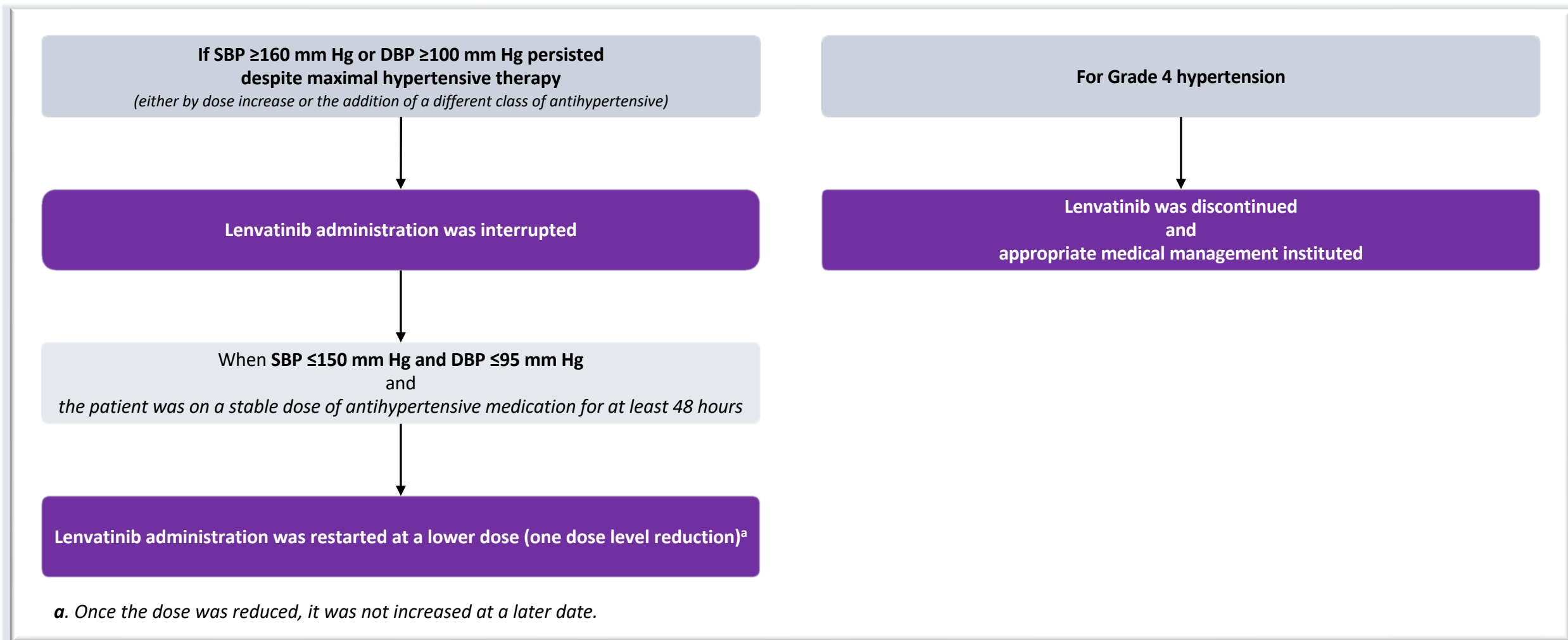
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- Patients were required to have adequately controlled BP with or without antihypertensive medications, defined as BP $\leq 150/90$ mm Hg at screening and no change in antihypertensive medications within 1 week prior to the Cycle 1/Day 1



NOTE: i) One BP assessment was defined as the mean value of 3 measurements at least 5 minutes apart. ii) BP was confirmed on 2 assessments 1 hour apart. iii) If SBP ≥ 160 mm Hg or DBP ≥ 100 mm Hg BP was monitored every 2 weeks (on Day 15 or more frequently as clinically indicated) until SBP was ≤ 150 mm Hg and DBP was ≤ 95 mm Hg for 3 consecutive months

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NOTE: i) One BP assessment was defined as the mean value of 3 measurements at least 5 minutes apart. ii) BP was confirmed on 2 assessments 1 hour apart. iii) If SBP ≥160 mm Hg or DBP ≥100 mm Hg BP was monitored every 2 weeks (on Day 15 or more frequently as clinically indicated) until SBP was ≤150 mm Hg and DBP was ≤95 mm Hg for 3 consecutive months

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Management of Hypertension: Dose Reductions for Adverse Reactions

- Dose reductions occurred in succession based on the previous dose level

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

If SBP ≥160 mm Hg or DBP ≥100 mm Hg recurred on the 10 mg QD dose despite optimal management of hypertension with antihypertensive medications then lenvatinib administration was interrupted and a restart of study medication was discussed with the sponsor

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Concomitant Antihypertensive Medications^{a, b, c}

Data cut-off: November 15, 2013

	Lenvatinib (n=261)
Patients who took ≥1 concomitant antihypertensive medication	84.3%
Diuretics	
High-ceiling diuretics	6.1%
Potassium-sparing agents	3.1%
Low-ceiling diuretics (thiazides)	18.8%
Low-ceiling diuretics (excluding thiazides)	4.6%
Calcium channel blockers	
Selective calcium channel blockers with mainly vascular effects	55.9%
Selective calcium channel blockers with direct cardiac effects	2.7%
Beta blocking agents	25.7%
Angiotensin II antagonists	28.0%
ACE inhibitors	41.0%
Combination agents	
Angiotensin II antagonists (combinations)	9.2%
ACE inhibitors (combinations)	6.9%
Diuretics and potassium-sparing agents in combination	2.7%
Beta blocking agents and other diuretics	0.4%
Beta blocking agents and thiazides	0.4%
Antiadrenergic agents	
Antiadrenergic agents (peripherally acting)	6.5%
Antiadrenergic agents (centrally acting)	5.0%
Arteriolar smooth muscle acting agents (hydralazine or minoxidil)	2.3%
Vasodilators used in cardiac diseases	1.9%
Other antihypertensives	≤3.1%^d

- a. Analysis of all patients in the full-analysis set.
- b. For patients with hypertension and proteinuria, treatment with an ACE inhibitor or ARB was preferred.²
- c. Concomitant medications were defined as medications that started before the first dose of study drug and were continuing at the time of the first dose of study drug, or started on or after the date of the first dose of study drug up to 30 days after the patient's last dose. Data should be interpreted with caution as concomitant medications used for a specific AE is not available.
- d. Patients receiving other concomitant antihypertensive medications may have been counted more than once.

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1. Protocol E7080-G000-303; 10 Apr 2012; Pages 45.

2. CSR E7080-G000-303; 05 Jun 2014; Table 14.1.6.4.

Fatigue

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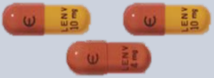



SELECT Study Results and Lenvatinib PI Recommendations: **Fatigue**



FATIGUE ^a	Lenvatinib (n=261) ¹							
	INCIDENCE				ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
						Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
	32%	24%	11%	67%	3.0 weeks	17%	13%	2%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 175 patients that experienced fatigue.

Lenvatinib PI Recommendations ²	
Severity	Dosage Modifications for Lenvatinib
Grade 2 fatigue that is persistent or intolerable Grade 3 fatigue	<ul style="list-style-type: none"> Withhold until improves to Grade 0 to 1 or baseline Resume at reduced dose

Dose Levels ² (Capsules pictured are not actual size)							
Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

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1. Eisai Stats Report: LEN303MSL-ARMGM: 23 JUL 2020

2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Asthenia	Not listed in CTCAE	CTCAE Term or General Guideline used for grading was at the discretion of the investigators				
Fatigue	Fatigue	• Fatigue relieved by rest	• Fatigue not relieved by rest; limiting instrumental ADL	• Fatigue not relieved by rest, limiting self care ADL	-	-
Malaise	Malaise	• Uneasiness or lack of well being	• Uneasiness or lack of well being; limiting instrumental ADL	-	-	-

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	• Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated	• Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL	• Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL	• Life-threatening consequences; urgent intervention indicated	• Death related to AE

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Management of Fatigue – Dose Adjustment

- Dose adjustment for management of lenvatinib toxicity, including fatigue, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

- a. NCI CTCAE, version 4.0.
- b. Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.
- c. An interruption of lenvatinib for more than 28 days (due to treatment-related toxicities) required a discussion with the sponsor before treatment was resumed.

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Headache

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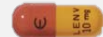
SELECT Study Results and Lenvatinib PI Recommendations: Headache



HEADACHE ^a	Lenvatinib (n=261) ¹							
	INCIDENCE				ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
						Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
	25%	10%	3%	38%	3.1 weeks	3%	4%	0%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 100 patients that experienced headache.

Lenvatinib PI Recommendations ²	
Severity	Dosage Modifications for Lenvatinib
Grade 2 headache that is persistent or intolerable Grade 3 headache	<ul style="list-style-type: none"> Withhold until improves to Grade 0 to 1 or baseline Resume at reduced dose

Dose Levels ² (Capsules pictured are not actual size)							
Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

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Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Headache	Headache	<ul style="list-style-type: none"> Mild pain 	<ul style="list-style-type: none"> Moderate pain; limiting instrumental ADL 	<ul style="list-style-type: none"> Severe pain; limiting self care ADL 	-	-

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	<ul style="list-style-type: none"> Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated 	<ul style="list-style-type: none"> Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL 	<ul style="list-style-type: none"> Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL 	<ul style="list-style-type: none"> Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> Death related to AE

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Management of Headache – Dose Adjustment

- Dose adjustment for management of lenvatinib toxicity, including headache, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

- a. NCI CTCAE, version 4.0.
- b. Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.
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Arthralgia/Myalgia

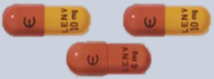



SELECT Study Results and Lenvatinib PI Recommendations: Arthralgia/Myalgia



ARTHRALGIA/ MYALGIA ^a	Lenvatinib (n=261) ¹							
	INCIDENCE				ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
						Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
	36%	21%	5%	62%	3.8 weeks	6%	5%	0%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 162 patients that experienced arthralgia/myalgia.

Lenvatinib PI Recommendations ²	
Severity	Dosage Modifications for Lenvatinib
Grade 2 arthralgia/myalgia that is persistent or intolerable Grade 3 arthralgia/myalgia	<ul style="list-style-type: none"> Withhold until improves to Grade 0 to 1 or baseline Resume at reduced dose

Dose Levels ² (Capsules pictured are not actual size)							
Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

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Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Arthralgia	Arthralgia	• Mild pain	• Moderate pain; limiting instrumental ADL	• Severe pain; limiting self care ADL	-	-
Back pain	Back pain	• Mild pain	• Moderate pain; limiting instrumental ADL	• Severe pain; limiting self care ADL	-	-
Musculoskeletal pain	Not listed in CTCAE	CTCAE Term or General Guideline used for grading was at the discretion of the investigators				
Myalgia	Myalgia	• Mild pain	• Moderate pain; limiting instrumental ADL	• Severe pain; limiting self care ADL	-	-
Pain in extremity	Pain in extremity	• Mild pain	• Moderate pain; limiting instrumental ADL	• Severe pain; limiting self care ADL	-	-

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	• Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated	• Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL	• Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL	• Life-threatening consequences; urgent intervention indicated	• Death related to AE

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Management of Arthralgia/Myalgia – Dose Adjustment

- Dose adjustment for management of lenvatinib toxicity, including arthralgia/myalgia, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

a. NCI CTCAE, version 4.0.

b. Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.

c. An interruption of lenvatinib for more than 28 days (due to treatment-related toxicities) required a discussion with the sponsor before treatment was resumed.

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Stomatitis

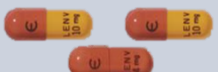



SELECT Study Results and Lenvatinib PI Recommendations: Stomatitis



STOMATITIS ^a	Lenvatinib (n=261) ¹									
	INCIDENCE						ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
								Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
	23%	13%	5%	0%	0%	41%	4.0 weeks	7%	7%	1%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 107 patients that experienced stomatitis.

Lenvatinib PI Recommendations ²	
Severity	Dosage Modifications for Lenvatinib
Grade 2 stomatitis that is persistent or intolerable Grade 3 stomatitis	<ul style="list-style-type: none"> Withhold until improves to Grade 0 to 1 or baseline Resume at reduced dose
Grade 4 stomatitis	<ul style="list-style-type: none"> Permanently discontinue

Dose Levels ² (Capsules pictured are not actual size)							
Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Eisai Stats Report: LEN303MSL-ARMGM: 23 JUL 2020

2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	
Aphthous stomatitis	Not listed in CTCAE	CTCAE Term or General Guideline used for grading was at the discretion of the investigators
Glossitis		
Mouth ulceration		
Mucosal inflammation		
Stomatitis		

	CTCAE Term	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	Mucositis oral	• Asymptomatic or mild symptoms; intervention not indicated	• Moderate pain; not interfering with oral intake; modified diet indicated	• Severe pain; interfering with oral intake	• Life-threatening consequences; urgent intervention indicated	• Death

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	• Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated	• Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL	• Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL	• Life-threatening consequences; urgent intervention indicated	• Death related to AE

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Management of Stomatitis – Dose Adjustment

- Dose adjustment for management of lenvatinib toxicity, including stomatitis, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction
Grade 4	Lenvatinib was discontinued	

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

- NCI CTCAE, version 4.0.
- Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.
- An interruption of lenvatinib for more than 28 days (due to treatment-related toxicities) required a discussion with the sponsor before treatment was resumed.

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Decreased Appetite and Weight

SELECT Study Results and Lenvatinib PI Recommendations: Decreased Appetite and Weight



DECREASED APPETITE AND WEIGHT ^a	Lenvatinib (n=261)									
	INCIDENCE						ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
								Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
DECREASED APPETITE	26%	21%	7%	0%	0%	54%	4.2 weeks	13%	10%	0%
DECREASED WEIGHT	10%	28%	13%	N/A	N/A	51%	12.1 weeks	10%	8%	0%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 142 and 134 patients that experienced decreased appetite and weight, respectively.

Lenvatinib PI Recommendations ²	
Severity	Dosage Modifications for Lenvatinib
Grade 2 decreased appetite and/or decreased weight that is persistent or intolerable	<ul style="list-style-type: none"> Withhold until improves to Grade 0 to 1 or baseline
Grade 3 decreased appetite and/or decreased weight	<ul style="list-style-type: none"> Resume at reduced dose
Grade 4 decreased appetite	<ul style="list-style-type: none"> Permanently discontinue

Dose Levels ² (Capsules pictured are not actual size)							
Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Eisai Stats Report: LEN303MSL-ARRMGM: 23 JUL 2020

2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Grading: Decreased Appetite and Weight



Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Decreased appetite	Not listed in CTCAE	CTCAE Term or General Guideline used for grading was at the discretion of the investigators				
Decreased weight						
	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	<ul style="list-style-type: none"> Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated 	<ul style="list-style-type: none"> Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL 	<ul style="list-style-type: none"> Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL 	<ul style="list-style-type: none"> Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> Death related to AE

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. NCI CTCAE Version 4.0 Published May 28, 2009.

Management of Decreased Appetite and Weight – Dose Adjustment

- Dose adjustment for management of lenvatinib toxicity, including decreased appetite and weight, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction
Grade 4 (for decreased appetite)	Lenvatinib was discontinued	

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

- NCI CTCAE, version 4.0.
- Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.
- An interruption of lenvatinib for more than 28 days (due to treatment-related toxicities) required a discussion with the sponsor before treatment was resumed.

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Concomitant Appetite Stimulants^{a,b}

Data cut-off: November 15, 2013

	Lenvatinib (n=261)
Patients who took ≥1 concomitant appetite stimulant	5.4%
Megestrol	4.2%
Cyproheptadine	1.1%

a. Analysis of all patients in the full-analysis set; b. Concomitant medications were defined as medications that started before the first dose of study drug and were continuing at the time of the first dose of study drug, or started on or after the date of the first dose of study drug up to 30 days after the patient's last dose. Data should be interpreted with caution as concomitant medications used for a specific AE is not available.

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Palmar-plantar Erythrodysesthesia





SELECT Study Results and Lenvatinib PI Recommendations: Palmar-plantar Erythrodysesthesia



PPE ^a	Lenvatinib (n=261) ¹							
	INCIDENCE				ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
						Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
	16%	13%	3%	32%	5.9 weeks	10%	8%	0%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 84 patients that experienced PPE.

Lenvatinib PI Recommendations ²	
Severity	Dosage Modifications for Lenvatinib
Grade 2 PPE that is persistent or intolerable Grade 3 PPE	<ul style="list-style-type: none"> Withhold until improves to Grade 0 to 1 or baseline Resume at reduced dose

Dose Levels ² (Capsules pictured are not actual size)							
Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Eisai Stats Report: LEN303MSL-ARMGM: 23 JUL 2020

2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term (Listed in alphabetical order)	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
PPE syndrome	PPE syndrome	<ul style="list-style-type: none"> Minimal skin changes or dermatitis (e.g., erythema, edema, or hyperkeratosis) without pain 	<ul style="list-style-type: none"> Skin changes (e.g., peeling, blisters, bleeding, edema, or hyperkeratosis) with pain; limiting instrumental ADL 	<ul style="list-style-type: none"> Severe skin changes (e.g., peeling, blisters, bleeding, edema, or hyperkeratosis) with pain; limiting self care ADL 	-	-

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	<ul style="list-style-type: none"> Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated 	<ul style="list-style-type: none"> Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL 	<ul style="list-style-type: none"> Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL 	<ul style="list-style-type: none"> Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> Death related to AE

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Management of PPE – Dose Adjustment

- Dose adjustment for management of lenvatinib toxicity, including PPE, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

a. NCI CTCAE, version 4.0.

b. Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.

c. An interruption of lenvatinib for more than 28 days (due to treatment-related toxicities) required a discussion with the sponsor before treatment was resumed.

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Abdominal Pain

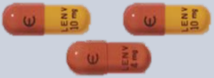



SELECT Study Results and Lenvatinib PI Recommendations: Abdominal Pain



ABDOMINAL PAIN ^a	Lenvatinib (n=261) ¹							
	INCIDENCE				ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
						Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
	18%	12%	2%	31%	6.3 weeks	5%	2%	0%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; c. Median time to first onset in the 82 patients that experienced abdominal pain.

Lenvatinib PI Recommendations ²	
Severity	Dosage Modifications for Lenvatinib
Grade 2 abdominal pain that is persistent or intolerable Grade 3 abdominal pain	<ul style="list-style-type: none">Withhold until improves to Grade 0 to 1 or baselineResume at reduced dose

Dose Levels ² (Capsules pictured are not actual size)							
Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Eisai Stats Report: LEN303MSL-ARMGM: 23 JUL 2020
2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Abdominal discomfort	<i>Not listed in CTCAE</i>	<i>CTCAE Term or General Guideline used for grading was at the discretion of the investigators</i>				
Abdominal pain	<i>Abdominal pain</i>	• Mild pain	• Moderate pain; limiting instrumental ADL	• Severe pain; limiting self care ADL	-	-
Abdominal tenderness	<i>Not listed in CTCAE</i>	<i>CTCAE Term or General Guideline used for grading was at the discretion of the investigators</i>				
Epigastric discomfort						
Gastrointestinal pain	<i>Gastrointestinal pain</i>	• Mild pain	• Moderate pain; limiting instrumental ADL	• Severe pain; limiting self care ADL	-	-
Lower abdominal pain	<i>Not listed in CTCAE</i>	<i>CTCAE Term or General Guideline used for grading was at the discretion of the investigators</i>				
Upper abdominal pain						

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	<i>General Guideline</i>	• Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated	• Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL	• Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL	• Life-threatening consequences; urgent intervention indicated	• Death related to AE

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Management of Abdominal Pain – Dose Adjustment

- Dose adjustment for management of lenvatinib toxicity, including abdominal pain, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

a. NCI CTCAE, version 4.0.

b. Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.

c. An interruption of lenvatinib for more than 28 days (due to treatment-related toxicities) required a discussion with the sponsor before treatment was resumed.

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

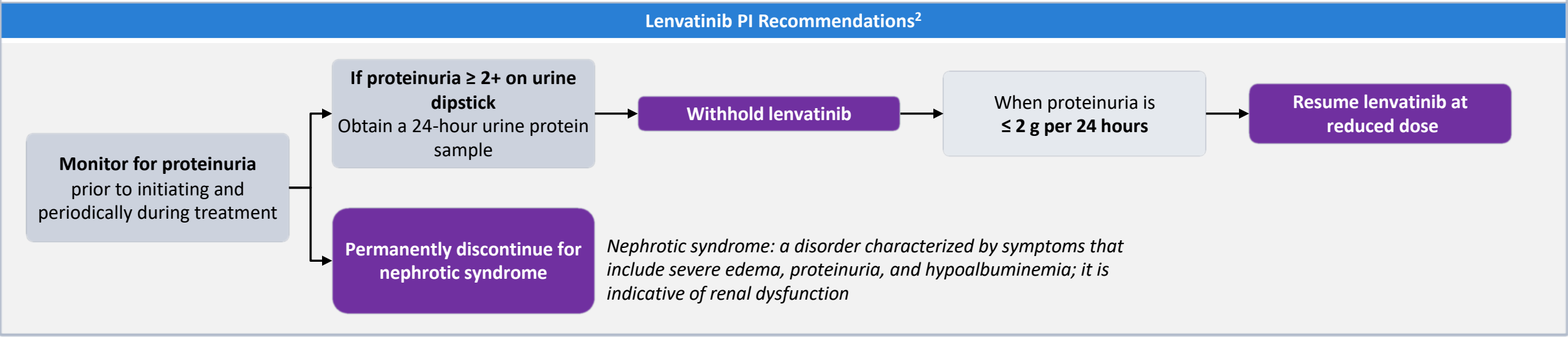
Proteinuria

SELECT Study Results and Lenvatinib PI Recommendations: Proteinuria



PROTEINURIA ^a	Lenvatinib (n=261) ¹							
	INCIDENCE				ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
						Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
6%	17%	11%	34%	7.7 weeks	17%	11%	1%	

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 88 patients that experienced proteinuria.



Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Eisai Stats Report: LEN303MSL-ARMGM: 23 JUL 2020
2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Proteinuria	Proteinuria	<ul style="list-style-type: none"> 1+ proteinuria; urinary protein <1.0 g/24 hrs 	<ul style="list-style-type: none"> 2+ proteinuria; urinary protein 1.0–3.4 g/24 hrs 	<ul style="list-style-type: none"> Urinary protein ≥3.5 g/24 hrs 	-	-

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	<ul style="list-style-type: none"> Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated 	<ul style="list-style-type: none"> Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL 	<ul style="list-style-type: none"> Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL 	<ul style="list-style-type: none"> Life-threatening consequences ; urgent intervention indicated 	<ul style="list-style-type: none"> Death related to AE

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Inclusion Criteria and Proteinuria Monitoring

Inclusion Criteria:

- Patients were not eligible for participation if urine protein ≥ 1 g/24 hour
- A 24-hour urine collection for protein quantitation was only required if proteinuria on urine dipstick testing was $>1+$

Proteinuria Monitoring:

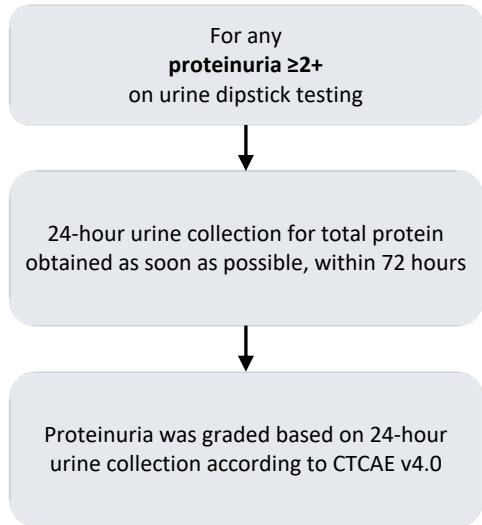
- Proteinuria assessments during the Treatment Period were required at:^{1,2}

<u>Cycle 1</u>	<u>Cycle 2</u>	<u>For Cycle 3 and Subsequent Cycles</u>	<u>Off-Treatment Visit</u>
<ul style="list-style-type: none">▪ Day 15	<ul style="list-style-type: none">▪ Day 1 and Day 15	<ul style="list-style-type: none">▪ Day 1^a <p><i>a. <u>Note</u>: For patients with urine dipstick testing of proteinuria $\geq 2+$ assessment was also required every 2 weeks (on Day 15 or more frequently as clinically indicated) until the results were 1+ or negative for 3 consecutive months</i></p>	

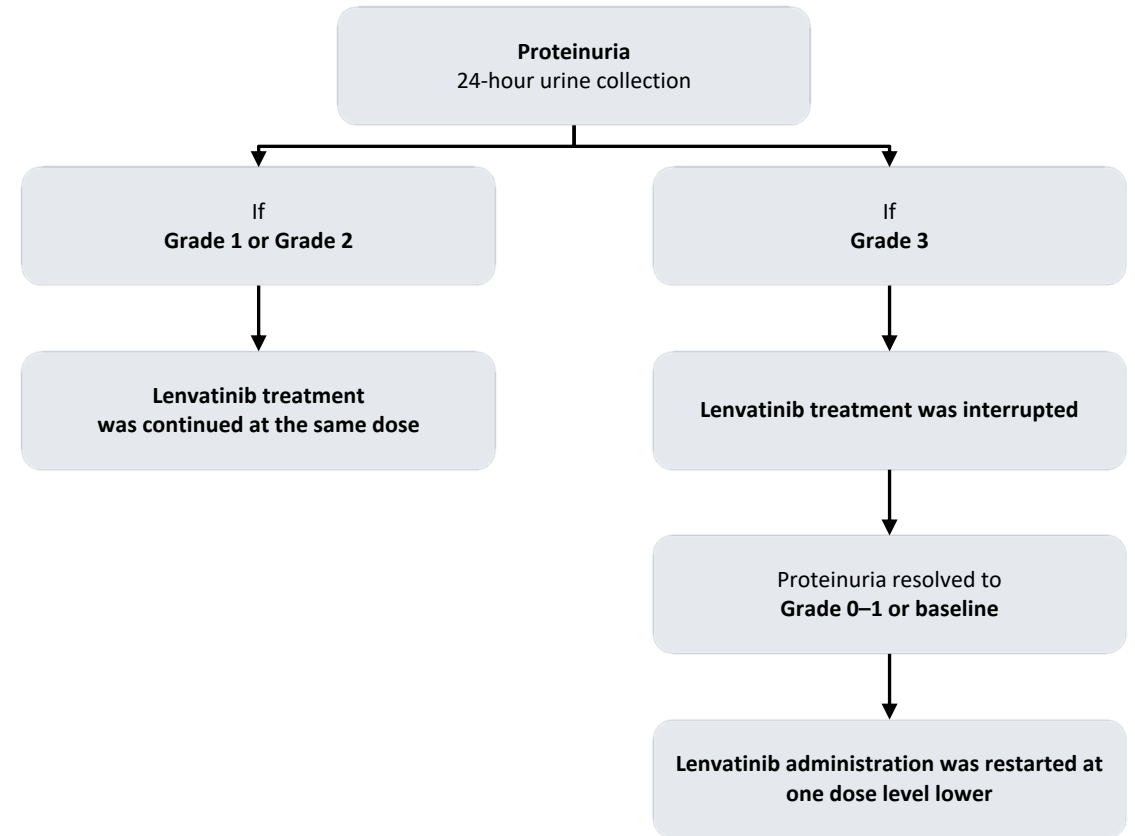
Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Protocol E7080-G000-303; 10 Apr 2012; Pages 39, 68–72.

Management of Proteinuria



If proteinuria $\geq 2+$ was detected on urine dipstick testing **proteinuria was monitored every 2 weeks (or more frequently as clinically indicated) until proteinuria was 1+ or negative on urine dipstick testing for 3 consecutive months**



Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.



Management of Proteinuria: Dose Reductions for Adverse Reactions

- Dose reductions occurred in succession based on the previous dose level

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Nausea and Vomiting





SELECT Study Results and Lenvatinib PI Recommendations: Nausea and Vomiting



NAUSEA AND VOMITING ^a	Lenvatinib (n=261) ¹									
	INCIDENCE						ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
								Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
NAUSEA	27%	17%	2%	N/A	N/A	47%	7.8 weeks	11%	6%	0%
VOMITING	23%	10%	2%	0%	0%	36%	13.7 weeks	6%	4%	0%

a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 122 and 93 patients that experienced nausea and vomiting, respectively.

Lenvatinib PI Recommendations ²	
Severity	Dosage Modifications for Lenvatinib
Grade 2 nausea and/or vomiting that is persistent or intolerable	<ul style="list-style-type: none"> Withhold until improves to Grade 0 to 1 or baseline
Grade 3 nausea and/or vomiting	<ul style="list-style-type: none"> Resume at reduced dose
Grade 4 vomiting	<ul style="list-style-type: none"> Permanently discontinue

Dose Levels ² (Capsules pictured are not actual size)							
Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Eisai Stats Report: LEN303MSL-ARMGM: 23 JUL 2020

2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term (Listed in alphabetical order)	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Nausea	Nausea	<ul style="list-style-type: none"> • Loss of appetite without alteration in eating habits 	<ul style="list-style-type: none"> • Oral intake decreased without significant weight loss, dehydration or malnutrition 	<ul style="list-style-type: none"> • Inadequate oral caloric or fluid intake; tube feeding, TPN, or hospitalization indicated 	-	-
Vomiting	Vomiting	<ul style="list-style-type: none"> • 1–2 episodes (separated by 5 minutes) in 24 hrs 	<ul style="list-style-type: none"> • 3–5 episodes (separated by 5 minutes) in 24 hrs 	<ul style="list-style-type: none"> • ≥6 episodes (separated by 5 minutes) in 24 hrs; tube feeding, TPN or hospitalization indicated 	<ul style="list-style-type: none"> • Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> • Death

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	<ul style="list-style-type: none"> • Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only; intervention not indicated 	<ul style="list-style-type: none"> • Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL 	<ul style="list-style-type: none"> • Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL 	<ul style="list-style-type: none"> • Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> • Death related to AE

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Management of Nausea and Vomiting – Dose Adjustment

- Optimal medical management was initiated for nausea and/or vomiting prior to any study treatment interruption or dose reduction
- Dose adjustment for management of lenvatinib toxicity, including nausea and vomiting, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction
Grade 4 (for vomiting)	Lenvatinib was discontinued	

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

a. NCI CTCAE, version 4.0.

b. Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.

c. An interruption of lenvatinib for more than 28 days (due to treatment-related toxicities) required a discussion with the sponsor before treatment was resumed.

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Diarrhea

SELECT Study Results and Lenvatinib PI Recommendations: Diarrhea



DIARRHEA ^a	Lenvatinib (n=261) ¹									
	INCIDENCE						ONSET	MANAGEMENT		
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	All Grades	Median Time to First Onset ^b	Dose Modifications		Discontinuation
								Lenvatinib Dose Interruption	Lenvatinib Dose Reduction	Lenvatinib
	30%	28%	9%	0%	0%	67%	13.1 weeks	18%	10%	0%





a. This is a post-hoc exploratory analysis for descriptive purpose only; no conclusion can be drawn; b. Median time to first onset in the 176 patients that experienced diarrhea.

Lenvatinib PI Recommendations²

- Prompt management should be initiated when lenvatinib treatment-related diarrhea occurs

Severity	Dosage Modifications for Lenvatinib
Grade 2 diarrhea that is persistent or intolerable	<ul style="list-style-type: none"> Withhold until improves to Grade 0 to 1 or baseline
Grade 3 diarrhea	<ul style="list-style-type: none"> Resume at reduced dose
Grade 4 diarrhea	<ul style="list-style-type: none"> Permanently discontinue

Dose Levels² (Capsules pictured are not actual size)

Recommended Dose of Lenvatinib		First Dosage Reduction To		Second Dosage Reduction To		Third Dosage Reduction To	
24 mg PO QD	 (two 10-mg capsules + one 4-mg capsule)	20 mg PO QD	 (two 10-mg capsules)	14 mg PO QD	 (one 10-mg capsule + one 4-mg capsule)	10 mg PO QD	 (one 10-mg capsule)

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Eisai Stats Report: LEN303MSL-ARMGM: 23 JUL 2020

2. Lenvima® [package insert]. Nutley, NJ: Eisai Inc.

Preferred Terms Included & Related NCI CTCAE v4.0 Terms

Preferred Term <i>(Listed in alphabetical order)</i>	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Diarrhea	Diarrhea	<ul style="list-style-type: none"> Increase of <4 stools per day over baseline; mild increase in ostomy output compared to baseline 	<ul style="list-style-type: none"> Increase of 4–6 stools per day over baseline; moderate increase in ostomy output compared to baseline 	<ul style="list-style-type: none"> Increase of ≥ 7 stools per day over baseline; incontinence; hospitalization indicated; severe increase in ostomy output compared to baseline; limiting self care ADL 	<ul style="list-style-type: none"> Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> Death

	CTCAE	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	General Guideline	<ul style="list-style-type: none"> Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only intervention not indicated 	<ul style="list-style-type: none"> Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL 	<ul style="list-style-type: none"> Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL 	<ul style="list-style-type: none"> Life-threatening consequences; urgent intervention indicated 	<ul style="list-style-type: none"> Death related to AE

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

Management of Diarrhea

- The SELECT protocol required initiation of optimal medical management for diarrhea prior to any study treatment interruption or dose reduction¹
- Drugs that were not prohibited for concomitant use included:
 - Drugs used to ameliorate symptoms, including antidiarrheal drugs²

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.

1. Protocol E7080-G000-303; 10 Apr 2012; Page 45.

2. CSR E7080-G000-303; 05 Jun 2014; Page 47.

Management of Diarrhea – Dose Adjustment

- Dose adjustment for management of lenvatinib toxicity, including diarrhea, was done in accordance with the following instructions:

Treatment-Related Toxicity ^a	Management	Dose adjustment
Grade 1	Treatment was continued	No change
Grade 2 – tolerable ^b	Treatment was continued	No change
Grade 2 – intolerable ^b	Treatment was interrupted^c ➤ until resolved to Grade 0–1 or baseline	One-level dose reduction
Grade 3	Treatment was interrupted^c ➤ until resolved to Grade 0-1 or baseline	One-level dose reduction
Grade 4	Lenvatinib was discontinued	

- Dose reductions occurred in succession based on the previous dose level
 - Once the dose was reduced, it was not increased at a later date

Recommended dose	First dosage reduction to	Second dosage reduction to	Third dosage reduction to	Fourth dosage reduction to
24 mg once daily	20 mg once daily	14 mg once daily	10 mg once daily	Discussed with Sponsor

- NCI CTCAE, version 4.0.
- Grade 2 toxicities were determined to be tolerable or intolerable by both the patient and investigator.
- An interruption of lenvatinib for more than 28 days (due to treatment-related toxicities) required a discussion with the sponsor before treatment was resumed.

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Concomitant Antidiarrheal Medications^{a,b,c}

Data cut-off: November 15, 2013

	Lenvatinib (n=261)
Antidiarrheal microorganisms	13.0%
Lactobacillus acidophilus	3.4%
Probiotics nos	2.7%
Bifidobacterium bifidum	2.3%
Saccharomyces boulardii	1.5%
Bifidobacterium nos	1.1%
Lactomin	1.1%
Bifidobacterium infantis	0.4%
Bifidobacterium lactis	0.4%
Narimax forte	0.4%
Probiotica P3	0.4%
Other antidiarrheals	1.9%
Antipropulsives	37.9%
Loperamide	37.2%
Lomotil	3.8%
Papaver somniferum	0.8%

- a. Analysis of all patients in the full-analysis set
- b. The SELECT study protocol required optimal medical management of diarrhea prior to any lenvatinib dose interruption or dose reduction
- c. Concomitant medications were defined as medications that started before the first dose of study drug and were continuing at the time of the first dose of study drug, or started on or after the date of the first dose of study drug up to 30 days after the patient's last dose. Data should be interpreted with caution as concomitant medications used for a specific AE is not available.

Eisai is unable to suggest individualized treatment approaches or provide advice or recommendations outside of the PI for the management of patients taking lenvatinib.