



Focus On

KEYTRUDA (pembrolizumab) + KISPLYX (lenvatinib) TREATMENT OPTIMISATION
for your untreated patients with advanced RCC (aRCC)
(focus on the CLEAR trial)

Start



Prescribing Information for KEYTRUDA and KISPLYX can be accessed via the 'PI' buttons at the top of this page and throughout

KEYTRUDA in combination with KISPLYX is indicated for the first-line (1L) treatment of adults with aRCC.^{1,2}

Please consult the individual product Summary of Product Characteristics (SmPCs) before making any prescribing decisions.

This material has been developed and funded by Merck Sharp & Dohme and Eisai Ltd, and is intended for UK healthcare professionals only.

Adverse events should be reported.
Reporting forms and information can be found at <https://yellowcard.mhra.gov.uk/> or search for MHRA Yellow Card in the Google Play or Apple App Store.
Adverse events should also be reported to MSD
(Tel: 0208 154 8000; E-mail: pv.uk@msd.com).



Please request from MSD representative the patient-targeted Risk Minimisation Materials before prescribing KEYTRUDA to minimise the risk of treatment. Patients should also receive the Risk Minimisation Materials.
1L, first-line; aRCC, advanced renal cell carcinoma; RCC, renal cell carcinoma; PI, prescribing information.

This guide will help you to monitor and manage the key AEs that could emerge or worsen during **KEYTRUDA** + **KISPLYX** treatment of 1L aRCC, as reported in the CLEAR trial. Addressing any AEs as early and effectively as possible could allow patients to get the most out of their treatment.



PREPARE

your patients for treatment with **KEYTRUDA** + **KISPLYX**

View [Dosing Guide](#)



MONITOR

your patients on the combination therapy



MANAGE

clinically significant TEAEs for **KEYTRUDA** + **KISPLYX** as reported in the CLEAR trial¹⁻³

[Go to the KEYTRUDA TEAE Management Section](#)

[Go to the KISPLYX TEAE Management Section](#)



AE, adverse event; aRCC, advanced renal cell carcinoma; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

PREPARE your patients for initiating treatment

This section includes:



How to prepare your patients for initiating treatment



KEYTRUDA + KISPLYX dosing and administration guide for 1L aRCC



Key AEs to be aware of with KEYTRUDA + KISPLYX based on results from the CLEAR trial



1L, first-line; AE, adverse event; aRCC, advanced renal cell carcinoma; SmPC, Summary of Product Characteristics.

PREPARE Important considerations before initiating treatment^{1,2}



Blood pressure (BP) check

BP should be well controlled prior to treatment with **KEYTRUDA + KISPLYX**²

If a patient is known to be hypertensive, they should be on a stable dose of antihypertensive therapy for at least 1 week prior to treatment with **KEYTRUDA + KISPLYX**²



Blood tests

Autoimmune disorders

Check for preexisting autoimmune disorders³

Check blood glucose for signs of undiagnosed diabetes³

Thyroid function

Measure baseline thyroid function prior to treatment initiation, then periodically during treatment²

Hypothyroidism has been reported in patients treated with **KEYTRUDA + KISPLYX**; therefore, thyroid function and hormone levels should be monitored^{1,2}

Liver function

Monitor liver function prior to treatment initiation, then every 2 weeks after treatment initiation for the first 2 months and monthly thereafter during treatment^{1,2}

KEYTRUDA has not been studied in patients with severe hepatic impairment*¹

No dose adjustment for **KEYTRUDA** is needed for patients with mild or moderate hepatic impairment¹

The **KEYTRUDA + KISPLYX** combination should only be used in patients with severe hepatic impairment if the anticipated benefit exceeds the risk^{1,2}

In patients with severe hepatic impairment (Child-Pugh C), the starting dose of **KISPLYX** must be adjusted*²

Renal function

For patients with severe renal impairment, the recommended starting dose of **KISPLYX** is 10 mg once daily (OD)²

No dose adjustment for **KEYTRUDA** is needed for patients with mild or moderate renal impairment¹

KEYTRUDA has not been studied in patients with severe renal impairment*¹

Patients with end-stage renal disease have not been studied; therefore, the use of **KISPLYX** in these patients is not recommended²

Calcium levels

Hypocalcaemia has been reported in patients treated with **KEYTRUDA + KISPLYX**^{1,2}

Monitor blood calcium levels at least monthly²

Replace calcium as necessary during treatment²

*Please refer to the individual product SmPCs for full details on the management of patients on **KEYTRUDA** in combination with **KISPLYX**. AE, adverse event; BP, blood pressure; SmPC, Summary of Product Characteristics.

AE monitoring and management



PREPARE Important considerations before initiating the combination treatment^{1,2}



Proteinuria

Urine protein should be monitored regularly during treatment²

If urine dipstick proteinuria $\geq 2+$ is detected, dose interruptions, adjustments or discontinuation of **KISPLYX** may be necessary²



Cardiac dysfunction

Monitor patients for clinical symptoms or signs of cardiac decompensation, as dose interruptions, adjustments or discontinuation of **KISPLYX** may be necessary²



Posterior reversible encephalopathy syndrome (PRES)

In patients with signs or symptoms of PRES, dose interruptions, adjustments or discontinuation of **KISPLYX** may be necessary²



Arterial thromboembolic events

KISPLYX has not been studied in patients who have had an arterial thromboembolic event within the previous 6 months, and therefore should be used with caution in such patients²

A treatment decision should be made based upon an assessment of the individual patient's benefit/risk. **KISPLYX** should be discontinued following an arterial thrombotic event²



Haemorrhagic events

Consider the risk of severe or fatal haemorrhagic events associated with tumour invasion or infiltration of major blood vessels (e.g. the carotid artery)²

In the case of bleeding, dose interruptions, adjustments or discontinuation of **KISPLYX** may be necessary²

AE, adverse event; PRES, posterior reversible encephalopathy syndrome; SmPC, Summary of Product Characteristics.

AE monitoring and management >

PREPARE Important considerations before initiating the combination treatment^{1,2}



QT interval prolongation

Monitor electrocardiograms in patients with congenital long QT syndrome, congestive heart failure, bradyarrhythmics and those taking drugs known to prolong the QT interval, including Class Ia and III antiarrhythmics²

Electrolyte abnormalities should be monitored and corrected before initiating **KISPLYX** and periodically during treatment²



Diarrhoea

Ensure patients understand the importance of reporting diarrhoea as an AE so that it can be managed promptly and appropriately²

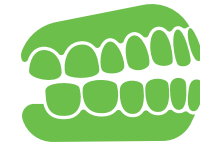
Diarrhoea has been reported frequently with **KEYTRUDA + KISPLYX** and usually occurs early in the course of treatment^{1,2}

Diarrhoea can be a sign of immune-mediated colitis; investigation and treatment should be considered³



Impaired wound healing

Temporary interruption of **KISPLYX** should be considered in patients undergoing major surgery²



Osteonecrosis of the jaw (ONJ)

A dental examination and appropriate preventive dentistry should be considered prior to treatment with **KISPLYX**²
Invasive dental procedures are an identified risk factor for ONJ²

For patients who have previously received, or are receiving, intravenous bisphosphonates, invasive dental procedures should be avoided, if possible²

AE, adverse event; ONJ, osteonecrosis of the jaw; SmPC, Summary of Product Characteristics.

AE monitoring and management



PREPARE Important considerations before initiating the combination treatment^{1,2}



Review concomitant medications

The use of systemic corticosteroids or immunosuppressants before starting **KEYTRUDA** should be avoided because of their potential interference with the pharmacodynamic activity and efficacy of **KEYTRUDA***¹

Since **KEYTRUDA** is cleared from the circulation through catabolism, no metabolic drug-drug interactions are expected¹

Caution should be exercised when **KISPLYX** is used either simultaneously or sequentially with anti-resorptive therapy and/or other angiogenesis inhibitors because of their association with ONJ²

No significant drug-drug interaction is expected between **KISPLYX** and other CYP3A/P-gp substrates²

It is currently unknown whether **KISPLYX** may reduce the effectiveness of hormonal contraceptives, and therefore women using oral hormonal contraceptives should add a barrier method²



Provide advice on:

- Diet
- Exercise
- Home-help
- Financial support
- Mental health
- Good oral hygiene practice



Introduce and explain to the patient the multidisciplinary team that will support them

Ensure they have the contact details of key healthcare professionals



Patients treated with **KEYTRUDA** must be given the **KEYTRUDA Patient Alert Card** and be informed about the risks of **KEYTRUDA** before initiating therapy

*However, systemic corticosteroids or other immunosuppressants can be used after starting **KEYTRUDA** to treat immune-mediated adverse reactions. Corticosteroids may also be used as premedication when **KEYTRUDA** is used in combination with chemotherapy, as antiemetic prophylaxis, and/or to alleviate chemotherapy-related adverse reactions.¹

AE, adverse event; CYP3A4, hepatic cytochrome P450 3A4 subtype; ONJ, osteonecrosis of the jaw; P-gp, P-glycoprotein; SmPC, Summary of Product Characteristics.

AE monitoring and management



PREPARE

 The recommended starting dosage and administration for **KEYTRUDA** + **KISPLYX** in 1L aRCC^{1,2}

KEYTRUDA + **KISPLYX** are administered via IV infusion and oral capsules, respectively^{1,2}

KEYTRUDA should be administered first, then **KISPLYX**.³ Refer to the individual product SmPCs for full dosing information.

KEYTRUDA¹

KEYTRUDA offers flexible dosing



Administered as an IV infusion



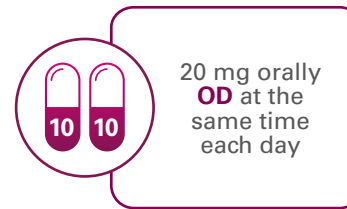
Over 30 minutes



200 mg Q3W or 400 mg Q6W

- The 200 mg Q3W (once every 3 weeks) regimen has been assessed in phase 2 and 3 registration studies across a multitude of indications of **KEYTRUDA**. An exposure-response evaluation, using modelling and simulation, led to the approval of the 400 mg Q6W (once every 6 weeks) dosing for monotherapy and combination therapy

KISPLYX²



20 mg orally **OD** at the same time each day



Administered **with or without food**

Swallowed whole with water. For patients unable to swallow capsules, please refer to the SmPC for alternative methods of preparation

- Continue treatment with **KISPLYX** for as long as there is clinical benefit or until unacceptable toxicity occurs
- For AEs thought to be related to **KISPLYX**, upon resolution/improvement of an AE to Grade 0–1 or baseline, treatment should be resumed at a reduced dose of **KISPLYX** - Please refer to the **KISPLYX** SmPC for the management of AEs
- Click the link below for information on **KISPLYX** dose modifications in combination with **KEYTRUDA**
- Please refer to the **KISPLYX** SmPC for dose modifications in hepatic and renal impairment

[Dose modification](#)



Refer to the individual product SmPCs for full dosing information.

1L, first-line; AE, adverse event; aRCC, advanced renal cell carcinoma; IV, intravenous; OD, once daily; Q3W, every three weeks; Q6W, every six weeks; SmPC, Summary of Product Characteristics.

PREPARE AEs of any cause that emerged or worsened during treatment in $\geq 25\%$ of patients in any treatment group in the CLEAR trial*³

The CLEAR trial was a Phase 3, multicentre, open-label, randomised trial to determine the efficacy and safety of **KEYTRUDA + KISPLYX** vs. sunitinib in patients with 1L aRCC³

The median duration of treatment with **KEYTRUDA + KISPLYX** was more than double that with sunitinib (17.0 months vs. 7.8 months, respectively).³

The safety profile of each therapy was consistent with their known AE profiles, either alone or in combination.³

*Safety assessments were based on as-treated principle and consisted of monitoring and recording all AEs and serious adverse events (SAEs) with the use of the Common Terminology Criteria for Adverse Events (CTCAE), Version 4.03, in the group of patients who received at least one dose of trial drug.³

†Of the 15 patients in the **KEYTRUDA + KISPLYX** group who had Grade 5 AEs during treatment, 11 had fatal events not attributed to disease progression (acute renal failure, uncontrolled hypertension, complications from myasthenic syndrome, complications from autoimmune hepatitis, cardiac arrest and death—cause not specified in 1 patient each; haemorrhagic events in 2 patients; and sepsis in 3 patients). Among the 11 patients in the sunitinib group with Grade 5 AEs during treatment, fatal events not attributed to disease progression occurred in 2 patients (respiratory failure and acute kidney injury in 1 patient and death—cause not specified in 1 patient).³

‡Hypothyroidism is an AE of interest associated with **KEYTRUDA**.³ Information regarding AEs of interest was not collected specifically as “immune-mediated”, in order to preserve blinding.³

Please refer to the **KEYTRUDA + KISPLYX** SmPCs for full description of AEs.

1L, first-line; AE, adverse event; aRCC, advanced renal cell carcinoma; SmPC, Summary of Product Characteristics.

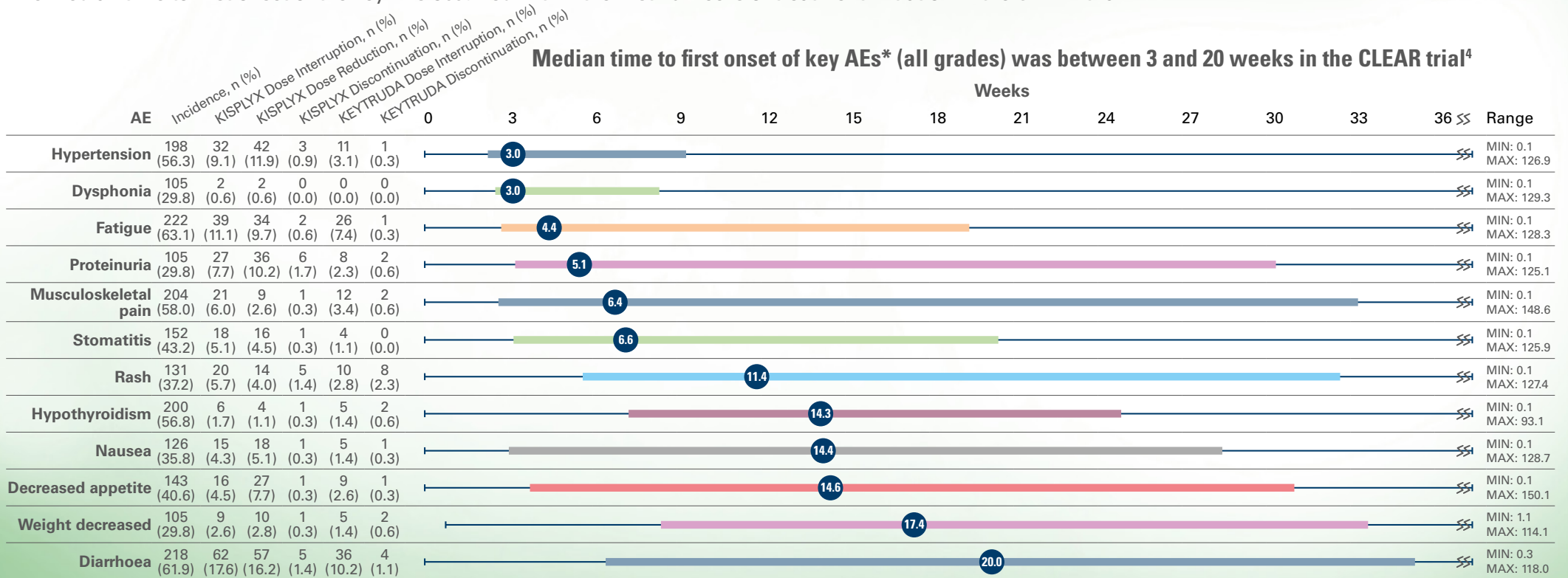
AE, n (%)	KEYTRUDA + KISPLYX (n=352)		Sunitinib (n=340)	
	Any grade	Grade ≥ 3 [†]	Any grade	Grade ≥ 3 [†]
Patients with any event	351 (99.7)	290 (82.4)	335 (98.5)	244 (71.8)
Diarrhoea	216 (61.4)	34 (9.7)	168 (49.4)	18 (5.3)
Hypertension	195 (55.4)	97 (27.6)	141 (41.5)	64 (18.8)
Hypothyroidism [‡]	166 (47.2)	5 (1.4)	90 (26.5)	0
Decreased appetite	142 (40.3)	14 (4.0)	105 (30.9)	5 (1.5)
Fatigue	141 (40.1)	15 (4.3)	125 (36.8)	15 (4.4)
Nausea	126 (35.8)	9 (2.6)	113 (33.2)	2 (0.6)
Stomatitis	122 (34.7)	6 (1.7)	131 (38.5)	7 (2.1)
Dysphonia	105 (29.8)	0	14 (4.1)	0
Weight decrease	105 (29.8)	28 (8.0)	31 (9.1)	1 (0.3)
Proteinuria	104 (29.5)	27 (7.7)	43 (12.6)	10 (2.9)
Palmar-plantar erythrodysesthesia syndrome	101 (28.7)	14 (4.0)	127 (37.4)	13 (3.8)
Arthralgia	99 (28.1)	5 (1.4)	52 (15.3)	1 (0.3)
Rash	96 (27.3)	13 (3.7)	47 (13.8)	2 (0.6)
Vomiting	92 (26.1)	12 (3.4)	68 (20.0)	5 (1.5)
Constipation	89 (25.3)	3 (0.9)	64 (18.8)	0
Dysgeusia	43 (12.2)	1 (0.3)	95 (27.9)	1 (0.3)

Adapted from Motzer R et al. N Engl J Med. 2021;384(14):1289–1300.³

PREPARE Median time to first onset of key AEs (all grades) in the CLEAR trial (exploratory analysis)⁴

During treatment with **KEYTRUDA + KISPLYX**, AEs may occur within days of treatment initiation.^{1,2}
The median time to first onset of the key AEs occurred within the first 20 weeks of treatment initiation in the CLEAR trial.⁴

Median time to first onset of key AEs* (all grades) was between 3 and 20 weeks in the CLEAR trial⁴



Adapted from Motzer R et al. Oncologist. 2023;28(6):501–509.

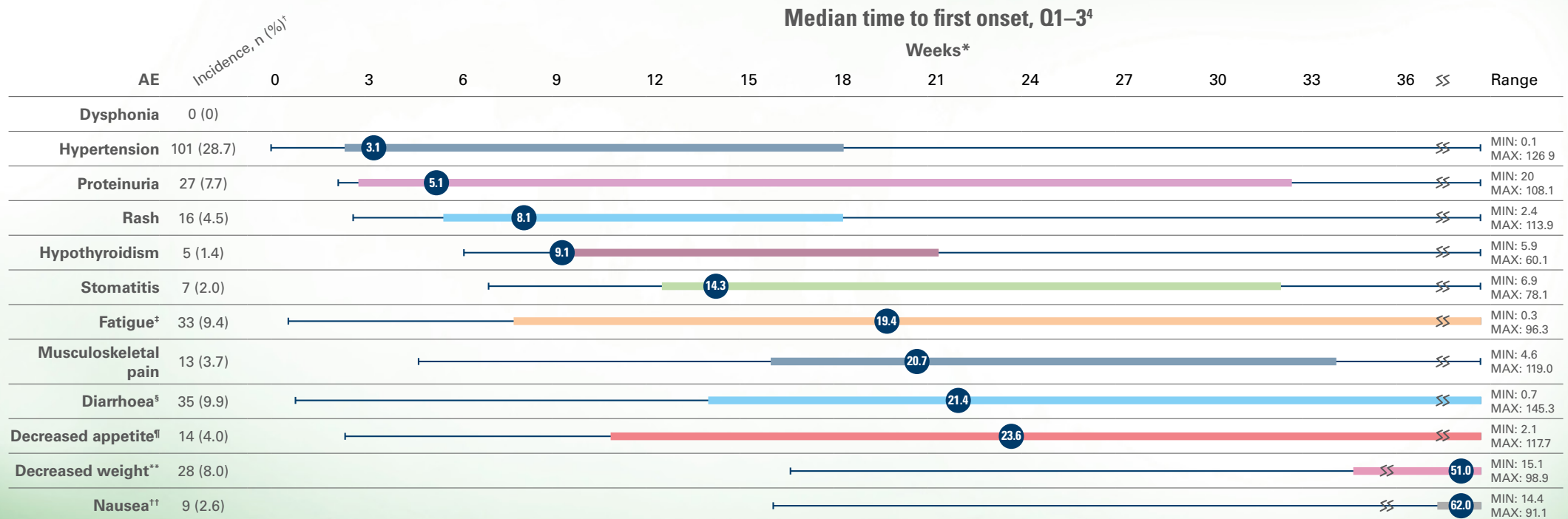
This was a post-hoc exploratory analysis based on data from the CLEAR trial. No formal statistical testing was planned for this analysis and, therefore, no conclusions can be drawn.⁴

*Key AEs: AEs with incidence ≥30% in the KEYTRUDA + KISPLYX group that occurred either while receiving treatment or within the protocol-defined follow-up period of 30 days after the patient’s last dose.⁴

Coloured boxes represent Q1–Q3. Lines represent the range. Percentages are based on the safety population of the KEYTRUDA + KISPLYX group (n=352). The safety population included all patients who received at least one dose of any study drug.⁴

AE, adverse event; Q, quartile; SmPC, Summary of Product Characteristics.

PREPARE Median time to first onset of Grade ≥3 AEs in the CLEAR trial (exploratory analysis)⁴



Adapted from Motzer R et al. *Oncologist*. 2023;28(6):501–509. This was a post-hoc exploratory analysis based on data from the CLEAR trial. No formal statistical testing was planned for this analysis and, therefore, no conclusions can be drawn.⁴

*Median time to first onset in patients who experienced the Grade ≥3 adverse reaction. Coloured boxes represent Q1–Q3. Lines represent the range; †Any grade. Percentages are based on the safety population of the KEYTRUDA + KISPLYX group (n=352). The safety population included all patients who received at least one dose of any study drug; ‡Q1=7.86, Q3=42.29; §Q1=13.29, Q3=56.71; ¶Q1=10.14, Q3=69.14; **Q1=34.00, Q3=64.71; ††Q1=42.57, Q3=74.00. AE, adverse event; Q, quartile; SmPC, Summary of Product Characteristics.

PREPARE Provide your patients with their KEYTRUDA + KISPLYX Patient Treatment Guide and Diary for patients with 1L aRCC

It is important to support and encourage patients to monitor and report symptoms themselves to aid early identification and prompt management for the AEs, where appropriate.

Diary



Date	How I felt today (1-5)	Side effects	Medication/times	Diet	Activities	Sleep rating (1-5)	Sleep hours
Monday							
Tuesday							
Wednesday							
Thursday							
Friday							
Saturday							
Sunday							
Comments and questions							

It is important to be able to identify and distinguish TEAEs from the symptoms of aRCC. The KEYTRUDA + KISPLYX Patient Treatment Guide and Diary for 1L aRCC can help to share this responsibility and ensure patients report back any TEAEs they experience



Ask your representative for the KEYTRUDA + KISPLYX Treatment Guide and Diary for patients with 1L aRCC, which includes useful information on what patients can expect from their treatment and space for them to log their treatment journey and any symptoms they experience

1L, first-line; AE, adverse event; aRCC, advanced renal cell carcinoma; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse events.

MONITOR

Recognise the AEs reported in $\geq 25\%$ of patients in any treatment group in the CLEAR trial³

Monitor patients to aid early identification and prompt medical management of AEs.

Monitoring frequency		When to act	Monitoring frequency		When to act
	Diarrhoea Regularly. Patients advised to report incidences ⁵	Promptly to avoid dehydration ²		Nausea and vomiting Before each cycle of treatment as a minimum ⁹	Oral intake decreased without significant weight loss, dehydration or malnutrition; IV fluids indicated ⁶
	Hypertension <ul style="list-style-type: none"> Prior to treatment initiation² 1 week after KISPLYX treatment initiation² Then every 2 weeks for the first 2 months and monthly thereafter² 	SBP ≥ 140 mmHg ² DBP ≥ 90 mmHg ²		Proteinuria Monitor urine protein regularly ²	If dipstick proteinuria reads $\geq 2+$ ²
	Thyroid function <ul style="list-style-type: none"> Prior to treatment initiation² Periodically during treatment² 	Abnormal TSH levels ²		Skin reactions Monitor skin reactions frequently ^{7,8}	Signs and symptoms requiring attention: <ul style="list-style-type: none"> Red/blistered/peeling skin Tingling sensations^{7,8} Discomfort, particularly in the hands and feet^{7,8}
	Weight or appetite loss Monitor weight and appetite regularly ⁵	$\geq 10\%$ weight loss from baseline ⁵		Arthralgia Regularly. Patients advised to report pain intensity ¹⁰	At onset of pain ¹⁰
	Fatigue Prior to treatment initiation, then regularly thereafter ⁵	Not relieved by rest/interrupts activities of daily living (ADL) ⁶⁻⁸		Dysphonia Patients advised to report voice changes ¹¹	At onset of dysphonia ¹¹
				Dysgeusia Patients advised to report altered taste ¹²	At onset of dysgeusia ¹²

AE, adverse event; DBP, diastolic blood pressure; SBP, systolic blood pressure; SmPC, Summary of Product Characteristics; TEAEs, treatment-emergent adverse events; TSH, thyroid-stimulating hormone.

TEAE management guide >

MONITOR

 Definitions of Grades 1 to 5 of selected common AEs from the CLEAR trial^{3,6}

Grading of AE severity is based on Common Terminology Criteria for Adverse Events (CTCAE), version 5.0⁶
The severity of some AEs, such as fatigue and diarrhoea, is based on how much the AE limits ADL, which are divided into two classes: instrumental ADL and self-care ADL⁶

Instrumental ADL⁶

Preparing meals



Shopping for groceries/clothes



Using the telephone



Managing money



Self-care ADL⁶

Bathing



Dressing and undressing



Feeding oneself



Using the toilet



Taking medications



ADL, activities of daily living; AE, adverse event; CTCAE, Common Terminology Criteria for Adverse Events; SmPC, Summary of Product Characteristics.



MANAGE Adverse events

This section will help you to manage TEAEs with **KEYTRUDA + KISPLYX** combination treatment

- The TEAEs for **KEYTRUDA + KISPLYX** are generally manageable, often occurring within days of treatment initiation^{1,2}
- In treating patients with **KEYTRUDA + KISPLYX**, it is important to establish which medication is the likely cause of an AE, in order to manage the patient's symptoms accordingly. Results from the CLEAR trial have shown some AEs as a result of both **KEYTRUDA + KISPLYX** in combination, however some immune-mediated AEs can be related to **KEYTRUDA** specifically.^{1,2}
- When **KEYTRUDA** is used in combination with **KISPLYX** and an AE occurs, one or both medicines should be interrupted as appropriate.^{1,2} **KISPLYX** should be withheld, dose reduced or discontinued in accordance with the instructions in the **KISPLYX** SmPC for use in combination with **KEYTRUDA**.^{1,2} No dose reductions are recommended for **KEYTRUDA**¹
- Patients treated with **KEYTRUDA** must be given the Patient Alert Card and informed about the risks of **KEYTRUDA**¹
- A comprehensive AE management strategy can include medical management (non-pharmacological and pharmacological), dose interruptions, **KISPLYX** dose reductions and treatment discontinuation if necessary^{1,2}
- **Addressing the AEs as early and effectively as possible could allow patients to get the most out of their treatment**³

Please refer to the **KEYTRUDA + KISPLYX** SmPCs for more details about managing AEs

AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

MANAGE Recommended dosing modification for KEYTRUDA + KISPLYX in 1L aRCC^{1,2}

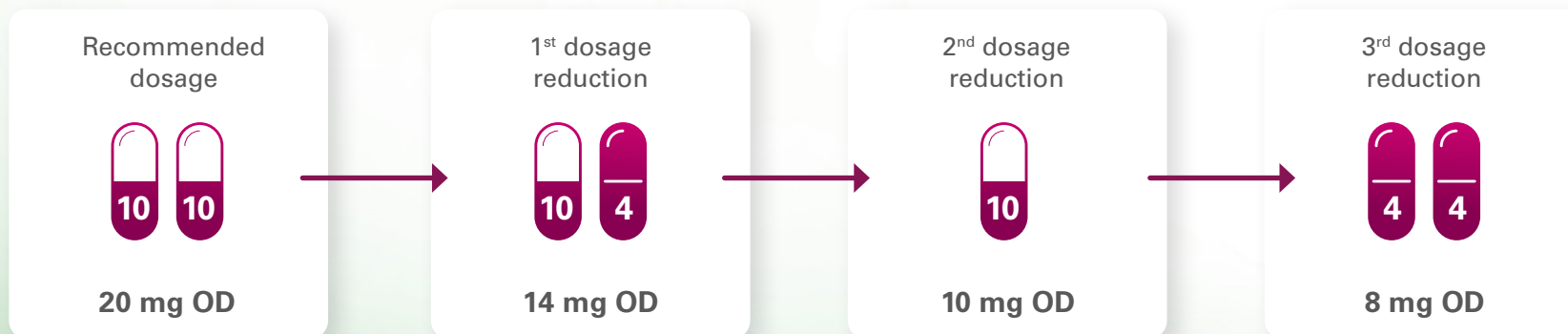
Withhold or discontinue **KEYTRUDA** in accordance with the instructions in the Prescribing Information for **KEYTRUDA**.
No dose reductions are recommended for **KEYTRUDA**¹

KEYTRUDA must be permanently discontinued for any Grade 3 immune-mediated adverse reaction that recurs and for any Grade 4 immune-mediated toxicity, except for endocrinopathies that are controlled with replacement hormones¹

The licensed starting dose for **KISPLYX** when taken in combination with **KEYTRUDA** is 20 mg once daily. It is possible to gradually reduce the dose of **KISPLYX**, when required to manage AEs²

Treatment efficacy may be impacted if a lower starting dose is used, however a lower starting dose may not reduce the risk of AEs¹³

As part of the AE management strategy, the dosing of **KISPLYX** can be altered for individual patients.²
Flexible **KISPLYX** dosing enables 3 dose reductions from 20 to 14 mg, 14 to 10 mg, and 10 to 8 mg OD²



For AEs thought to be related to **KISPLYX**, upon resolution/improvement of an AE to Grade 0–1 or baseline, treatment with **KISPLYX** may be resumed at a reduced dose²

Please refer to the individual product SmPCs for full dosing information.

1L, first-line; AE, adverse event; aRCC, advanced renal cell carcinoma; OD, once daily; SmPC, Summary of Product Characteristics.

MANAGE **General management guidelines for TEAEs for KEYTRUDA + KISPLYX in the CLEAR trial³**

The following pages provide advice on when to continue or interrupt the treatment, based on AE severity.

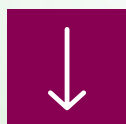
The patient's multidisciplinary team can then decide to reduce the dose or permanently discontinue treatment



CONTINUE TREATMENT with **KEYTRUDA + KISPLYX***



INTERRUPT / WITHHOLD the treatment



RECOMMEND treatment modifications



DISCONTINUE the treatment

**Go to the KEYTRUDA
TEAE Management Section** >

**Go to the KISPLYX
TEAE Management Section** >

*Continue treatment with **KEYTRUDA** for a maximum of 24 months or until disease progression or unacceptable toxicity.¹ Withhold or discontinue **KEYTRUDA** in accordance with the instructions in the SmPC. No dose reductions are recommended for **KEYTRUDA**.¹ **KISPLYX** treatment can continue as long as clinical benefit is achieved.²

AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

[Go to the KISPLYX TEAE Management Section](#) >

MANAGE

KEYTRUDA (pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

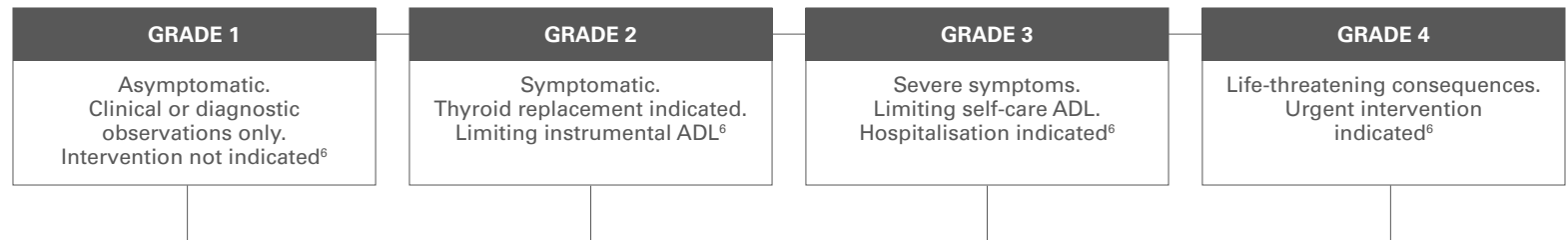
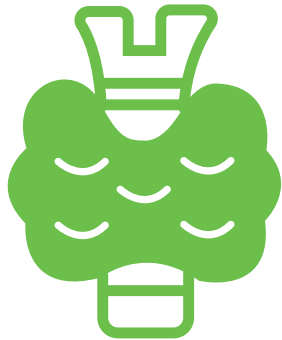
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Hypothyroidism



Patients should be monitored for changes in thyroid function¹

Symptoms may be managed with replacement hormone therapy and treatment with KEYTRUDA may continue with monitoring¹

Thyroid function and hormone levels should be monitored to ensure appropriate hormone replacement¹

Long-term hormone replacement therapy may be necessary in cases of immune-mediated endocrinopathies.¹
ADL, activities of daily living; AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

[Click here to access a more comprehensive imAE management guide for KEYTRUDA](#) >

Go to the **KISPLYX TEAE Management Section** >

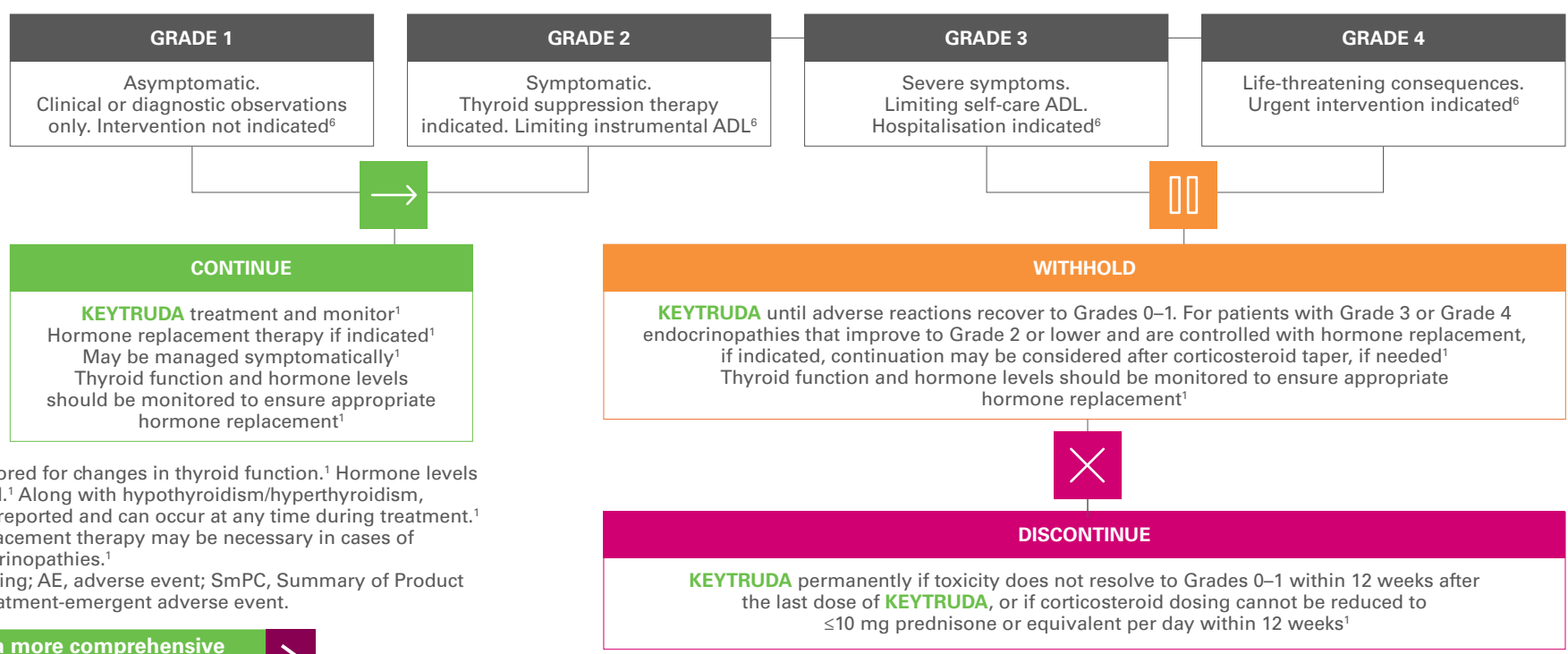
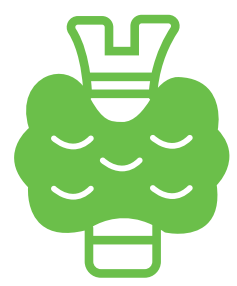
MANAGE

KEYTRUDA
(pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

- Hypothyroidism
- Hyperthyroidism**
- Pneumonitis
- Adrenal insufficiency
- Severe skin reactions
- Pancreatitis
- Colitis
- Hepatitis
- Nephritis
- Infusion-related reactions
- Myocarditis
- Hypophysitis
- Type 1 diabetes mellitus
- Other TEAEs of interest for KEYTRUDA

Hyperthyroidism



Patients should be monitored for changes in thyroid function.¹ Hormone levels should also be monitored.¹ Along with hypothyroidism/hyperthyroidism, thyroiditis has also been reported and can occur at any time during treatment.¹ Long-term hormone replacement therapy may be necessary in cases of immune-mediated endocrinopathies.¹ ADL, activities of daily living; AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA (pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

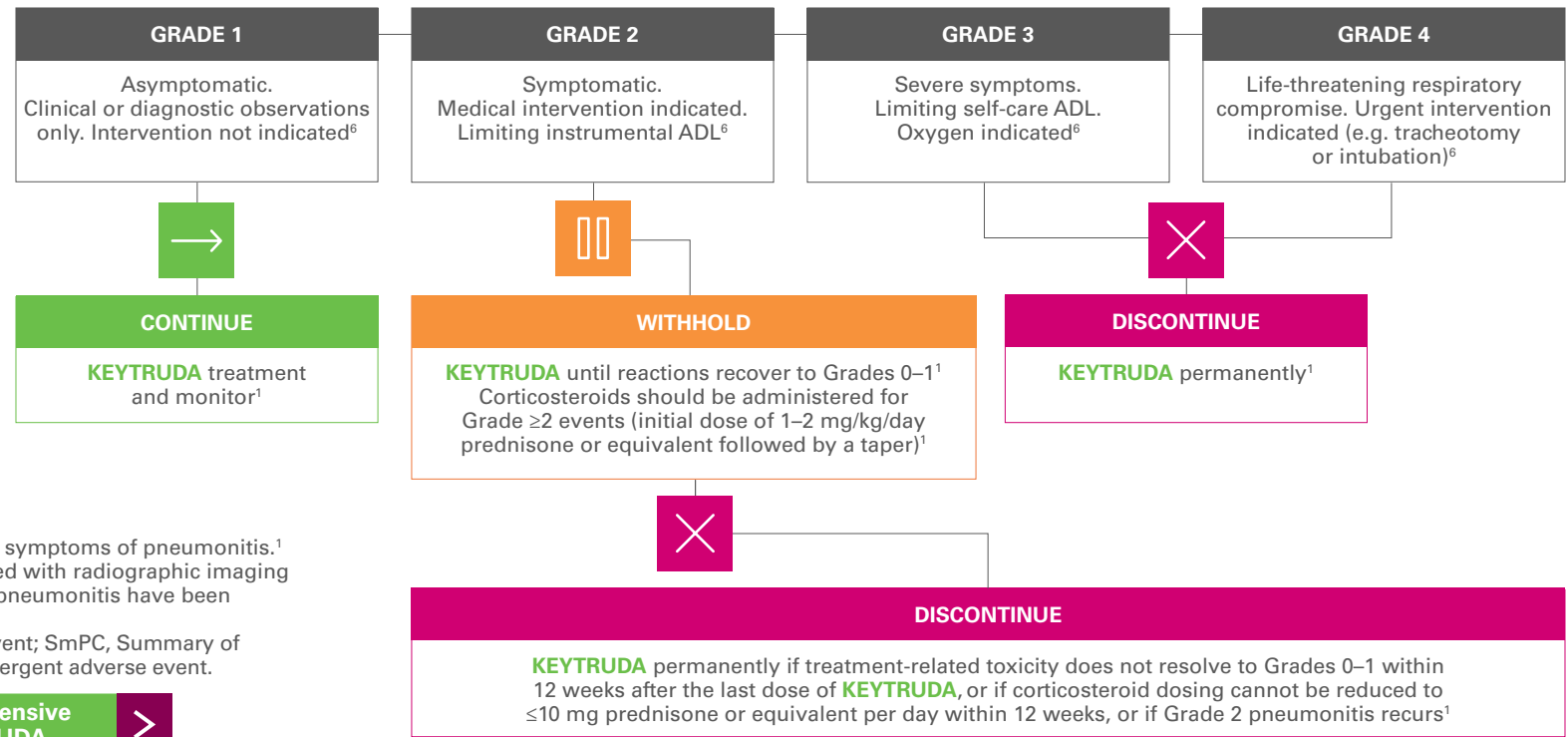
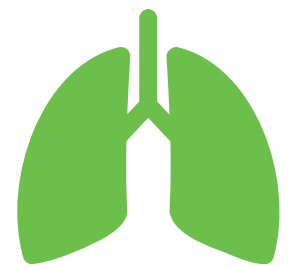
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Pneumonitis



Patients should be monitored for signs and symptoms of pneumonitis.¹ Suspected pneumonitis should be confirmed with radiographic imaging and other causes excluded.¹ Fatal cases of pneumonitis have been reported in patients receiving KEYTRUDA.¹ ADL, activities of daily living; AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

[Click here to access a more comprehensive imAE management guide for KEYTRUDA](#) >



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Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA
(pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

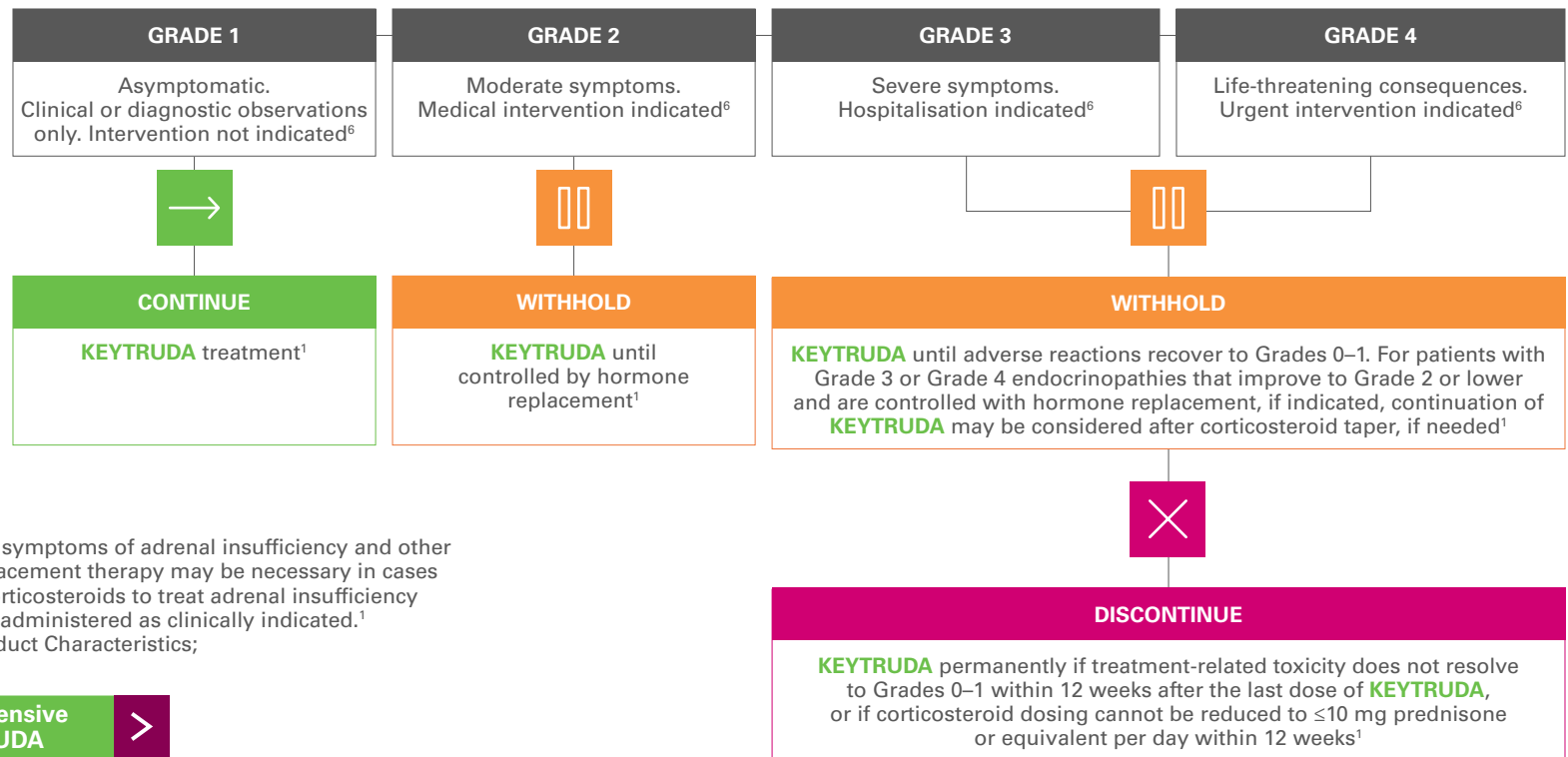
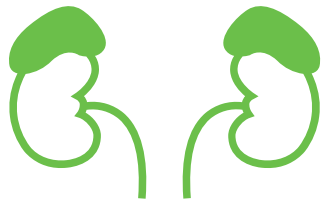
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Adrenal insufficiency



Patients should be monitored for signs and symptoms of adrenal insufficiency and other causes excluded.¹ Long-term hormone replacement therapy may be necessary in cases of immune-mediated endocrinopathies.¹ Corticosteroids to treat adrenal insufficiency and other hormone replacement should be administered as clinically indicated.¹ AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA
(pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

Myocarditis

Hypophysitis

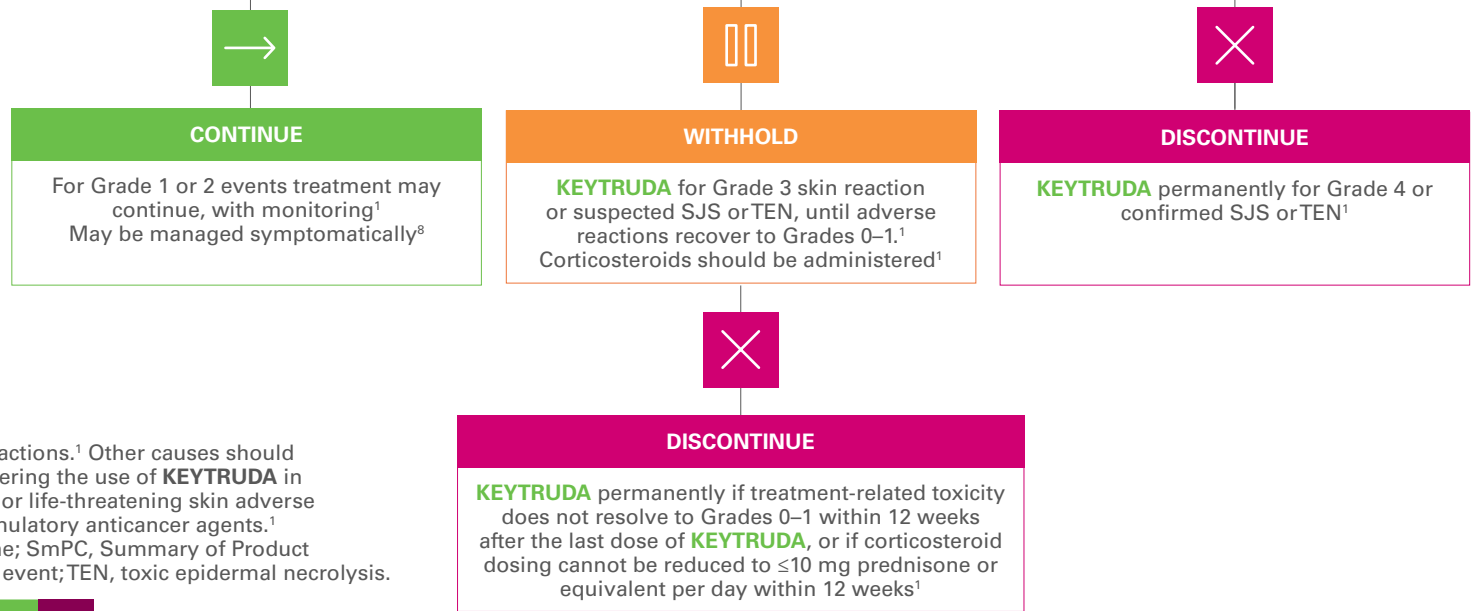
Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Skin reactions (SJS/TEN) Terms cover multiple AEs



Patients should be monitored for suspected severe skin reactions and other causes should be excluded. For suspected SJS or TEN, the patient should be referred to a specialised unit for assessment and treatment¹



Patients should be monitored for suspected skin reactions.¹ Other causes should be excluded.¹ Caution should be used when considering the use of KEYTRUDA in a patient who has previously experienced a severe or life-threatening skin adverse reaction on prior treatment with other immune-stimulatory anticancer agents.¹ AE, adverse event; SJS, Stevens-Johnson syndrome; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event; TEN, toxic epidermal necrolysis.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA (pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

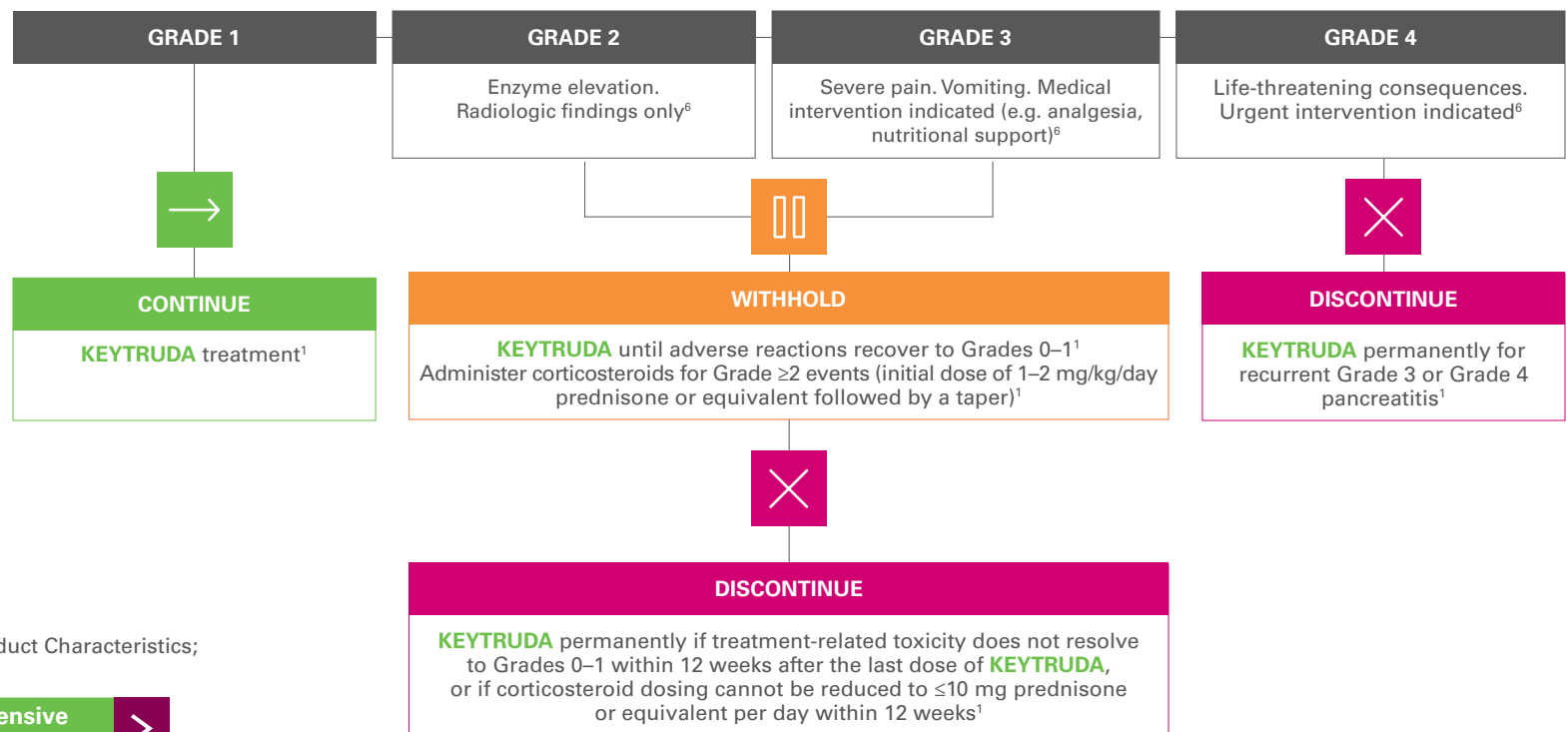
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Pancreatitis



AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA (pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

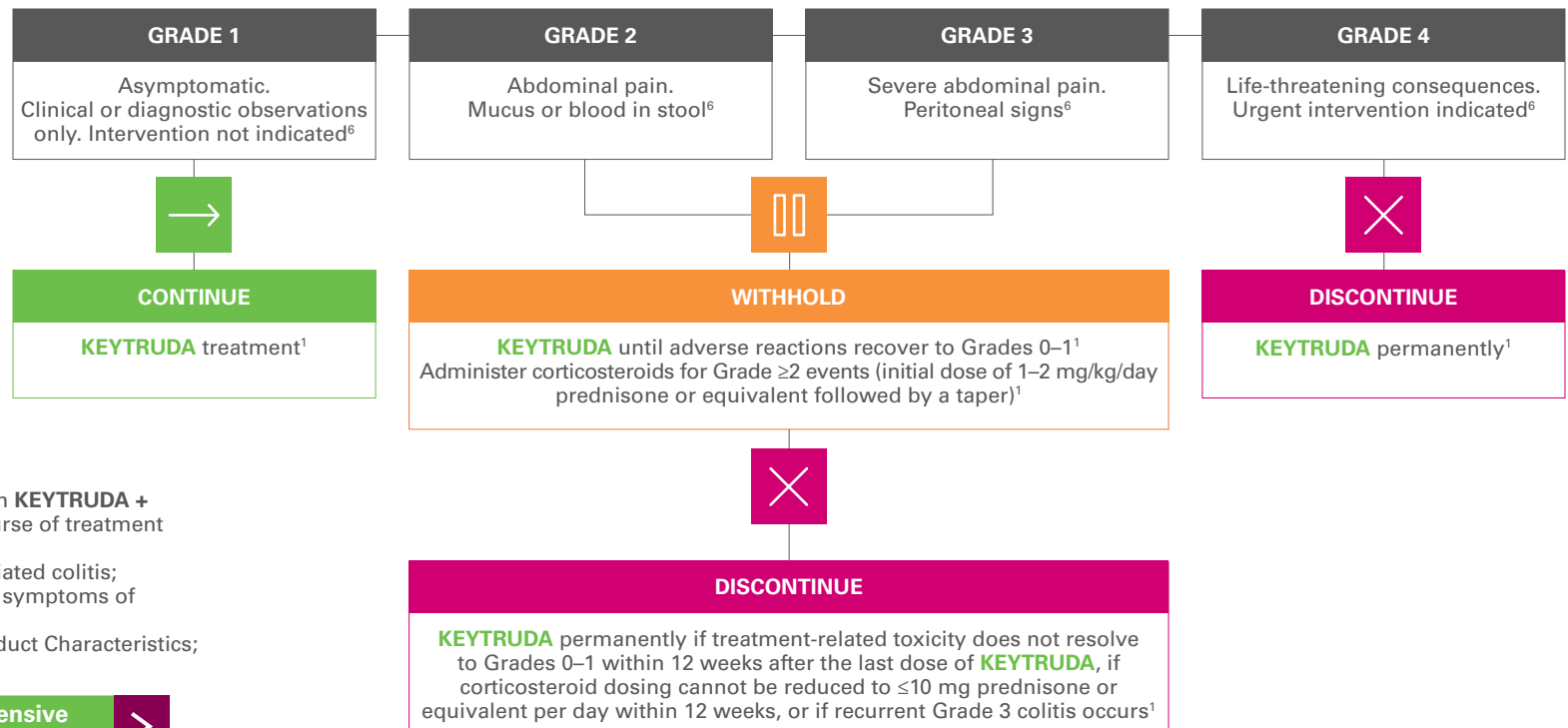
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Colitis



Diarrhoea has been reported frequently with KEYTRUDA + KISPLYX.^{1,2} It usually occurs early in the course of treatment and might be related to KISPLYX.²

Diarrhoea can be a sign of immune-mediated colitis; patients should be monitored for signs and symptoms of colitis and other causes excluded.¹

AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the KISPLYX TEAE Management Section >

MANAGE

KEYTRUDA
(pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

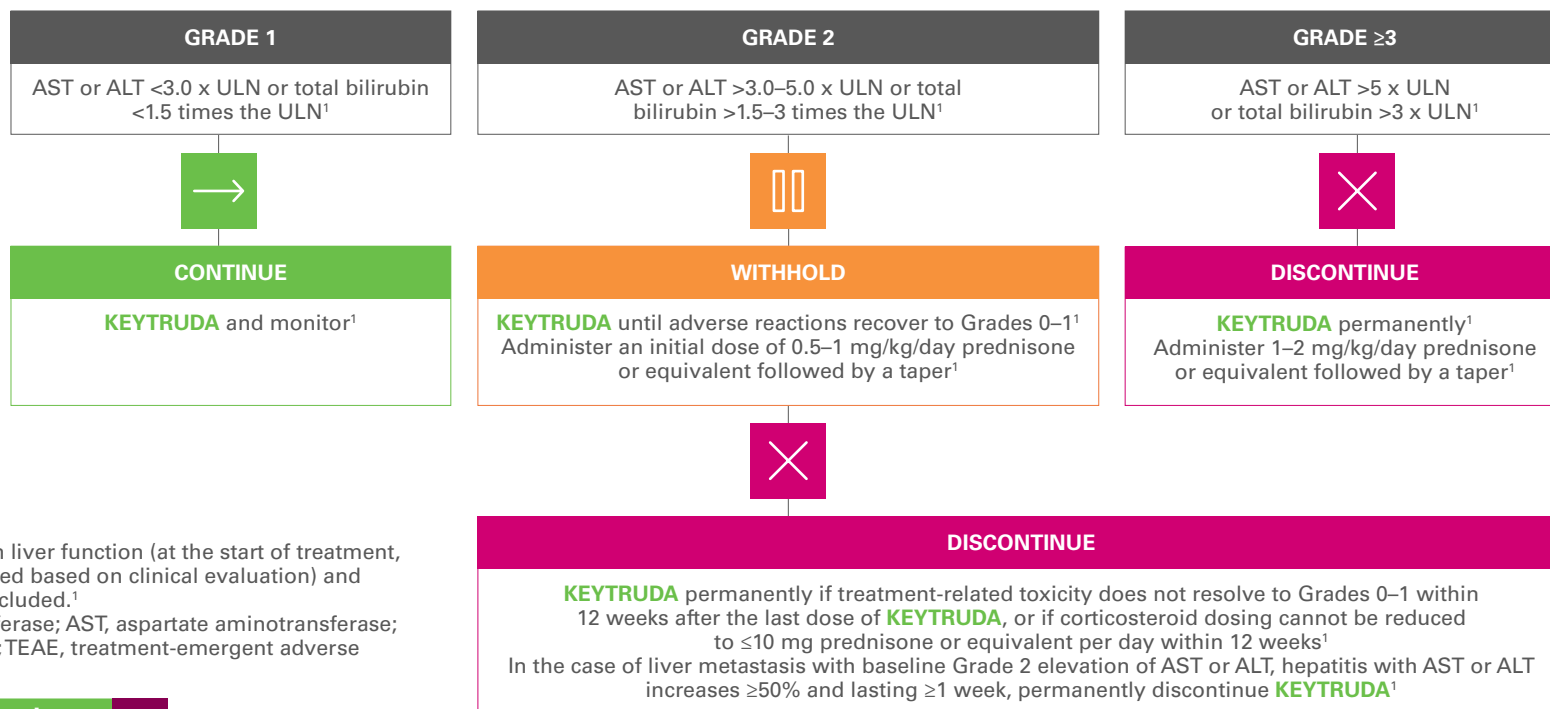
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Hepatitis



Patients should be monitored for changes in liver function (at the start of treatment, periodically during treatment and as indicated based on clinical evaluation) and symptoms of hepatitis, and other causes excluded.¹
AE, adverse event; ALT, alanine aminotransferase; AST, aspartate aminotransferase; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event; ULN, upper limit of normal.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA
(pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

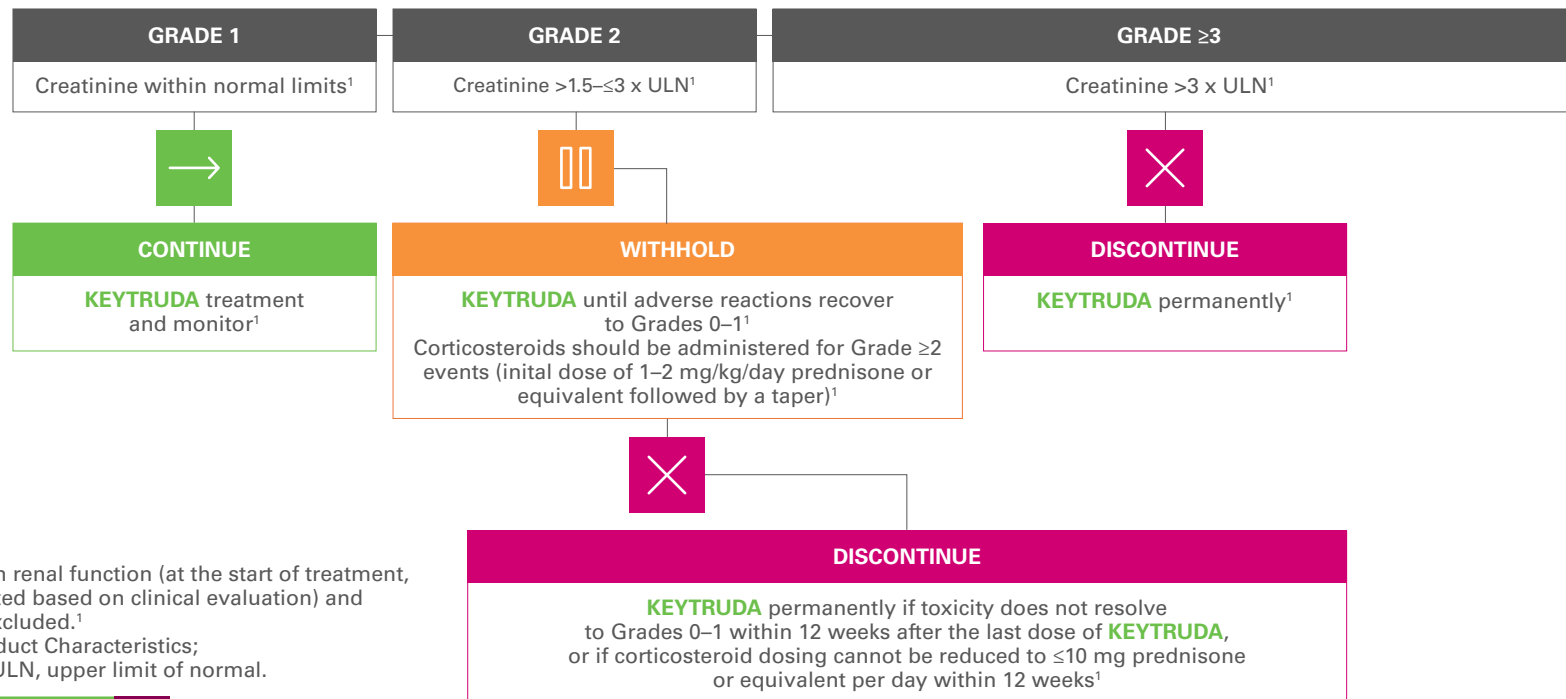
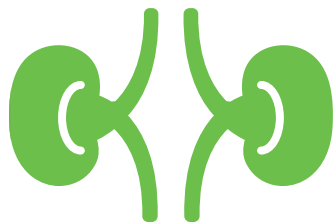
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Nephritis



Patients should be monitored for changes in renal function (at the start of treatment, periodically during treatment and as indicated based on clinical evaluation) and symptoms of nephritis, and other causes excluded.¹
 AE, adverse event; SmPC, Summary of Product Characteristics;
 TEAE, treatment-emergent adverse event; ULN, upper limit of normal.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA
(pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

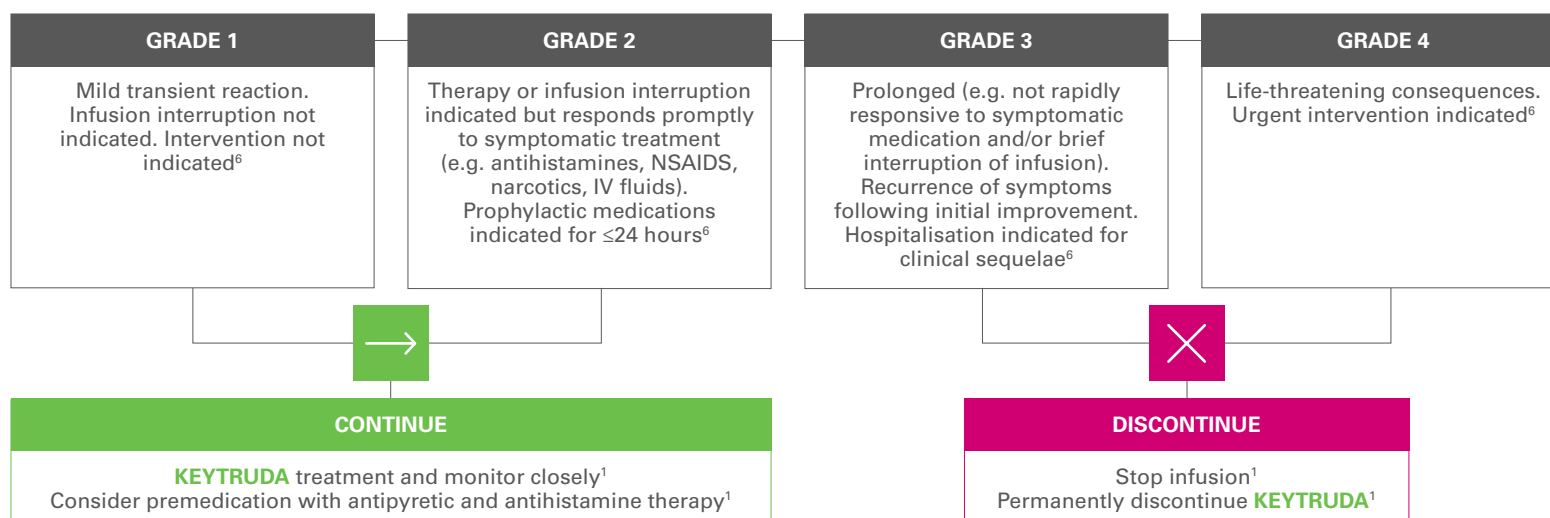
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Infusion-related reactions



Patients should be monitored for severe infusion-related reactions including hypersensitivity and anaphylaxis.¹ Severe infusion-related reactions have been reported with patients receiving KEYTRUDA; these include drug hypersensitivity, anaphylactic reaction, anaphylactoid reaction, hypersensitivity, infusion-related hypersensitivity reaction, cytokine release syndrome and serum sickness.¹ Patients should be monitored during infusion.¹

AE, adverse event; IV, intravenous; NSAID, non-steroid anti-inflammatory drug; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the KISPLYX TEAE Management Section >

MANAGE

KEYTRUDA (pembrolizumab) TEAEs of interest for KEYTRUDA in the CLEAR trial³

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

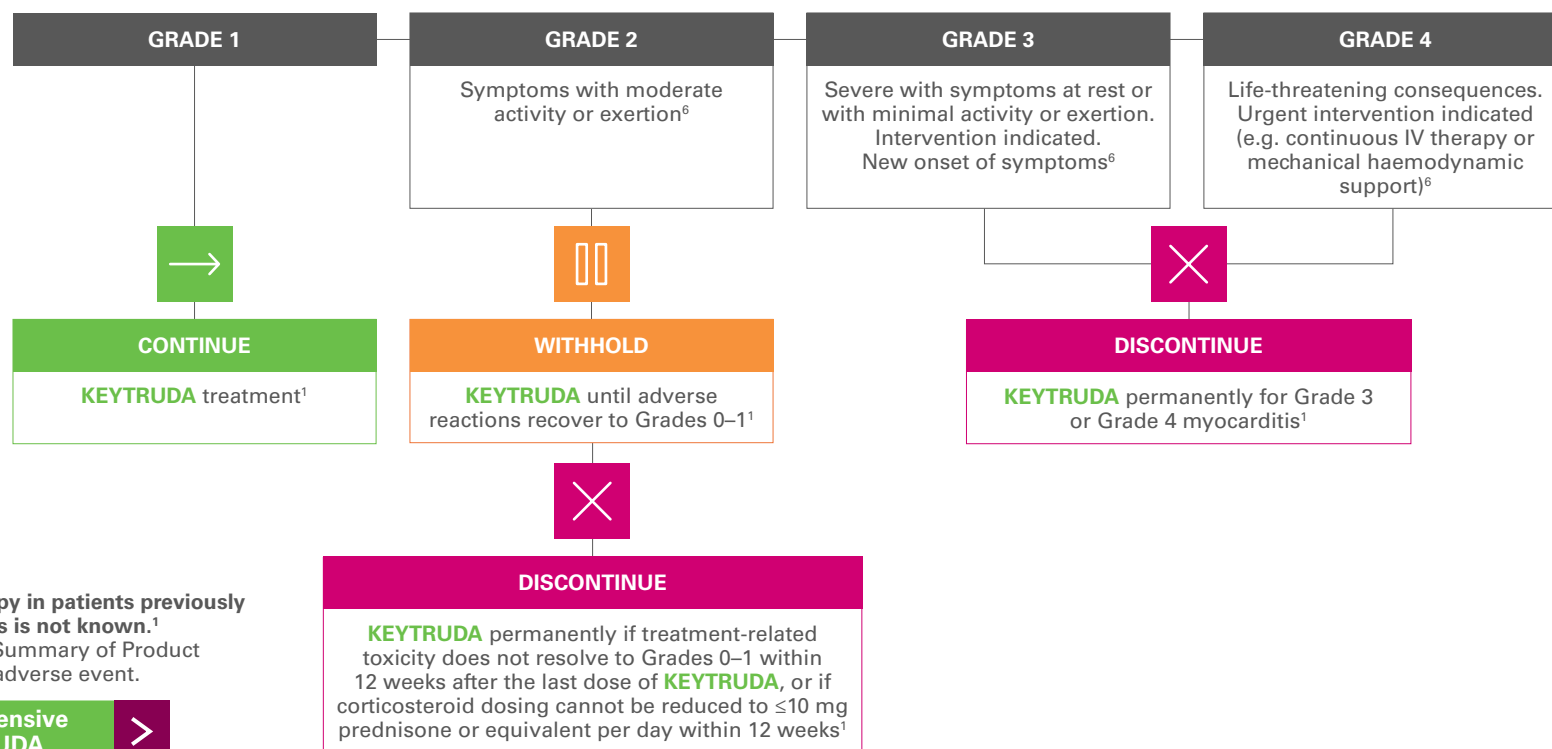
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Myocarditis



The safety of re-initiating KEYTRUDA therapy in patients previously experiencing immune-mediated myocarditis is not known.¹ AE, adverse event; IV, intravenous; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

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Go to the KISPLYX TEAE Management Section >

MANAGE

KEYTRUDA (pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

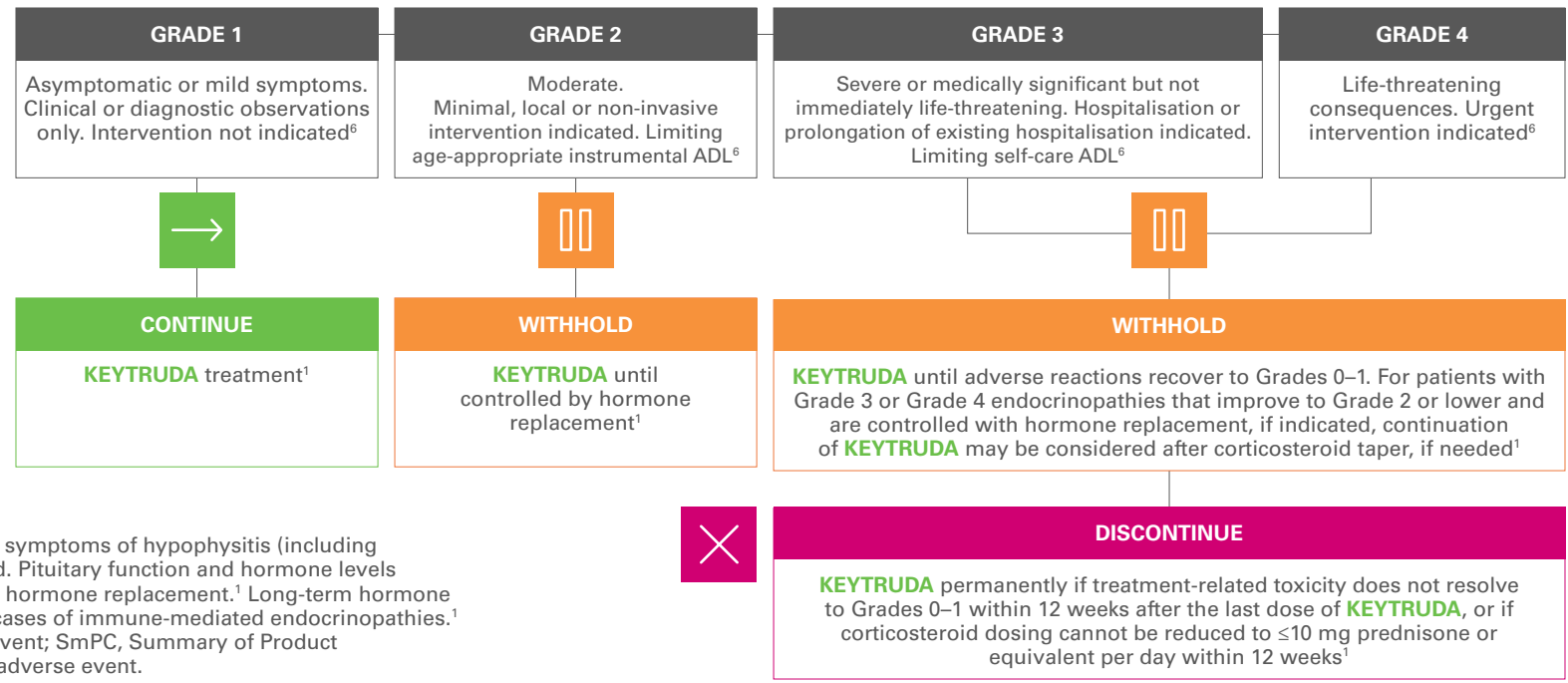
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Hypophysitis



Patients should be monitored for signs and symptoms of hypophysitis (including hypopituitarism) and other causes excluded. Pituitary function and hormone levels should be monitored to ensure appropriate hormone replacement.¹ Long-term hormone replacement therapy may be necessary in cases of immune-mediated endocrinopathies.¹ ADL, activities of daily living; AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Click here to access a more comprehensive imAE management guide for KEYTRUDA >

Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA
(pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

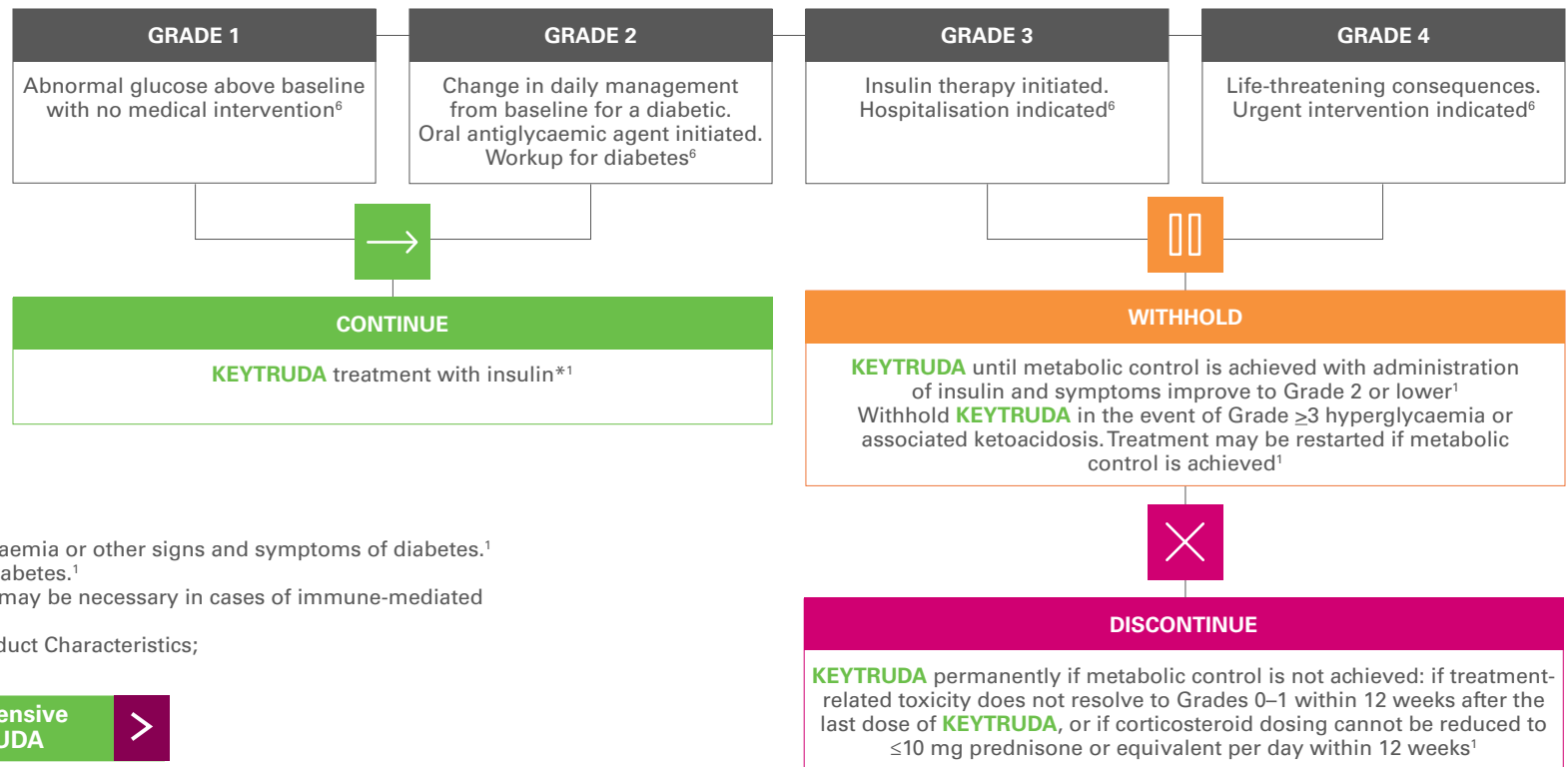
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Type 1 diabetes mellitus



Patients should be monitored for hyperglycaemia or other signs and symptoms of diabetes.¹ Insulin should be administered for type 1 diabetes.¹
 *Long-term hormone replacement therapy may be necessary in cases of immune-mediated endocrinopathies.¹
 AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

[Click here to access a more comprehensive imAE management guide for KEYTRUDA](#) >

Go to the **KISPLYX TEAE Management Section** >

MANAGE

KEYTRUDA
(pembrolizumab) **TEAEs of interest for KEYTRUDA in the CLEAR trial³**

Please refer to the KEYTRUDA SmPC for full information about AE monitoring and management.

Hypothyroidism

Hyperthyroidism

Pneumonitis

Adrenal insufficiency

Severe skin reactions

Pancreatitis

Colitis

Hepatitis

Nephritis

Infusion-related reactions

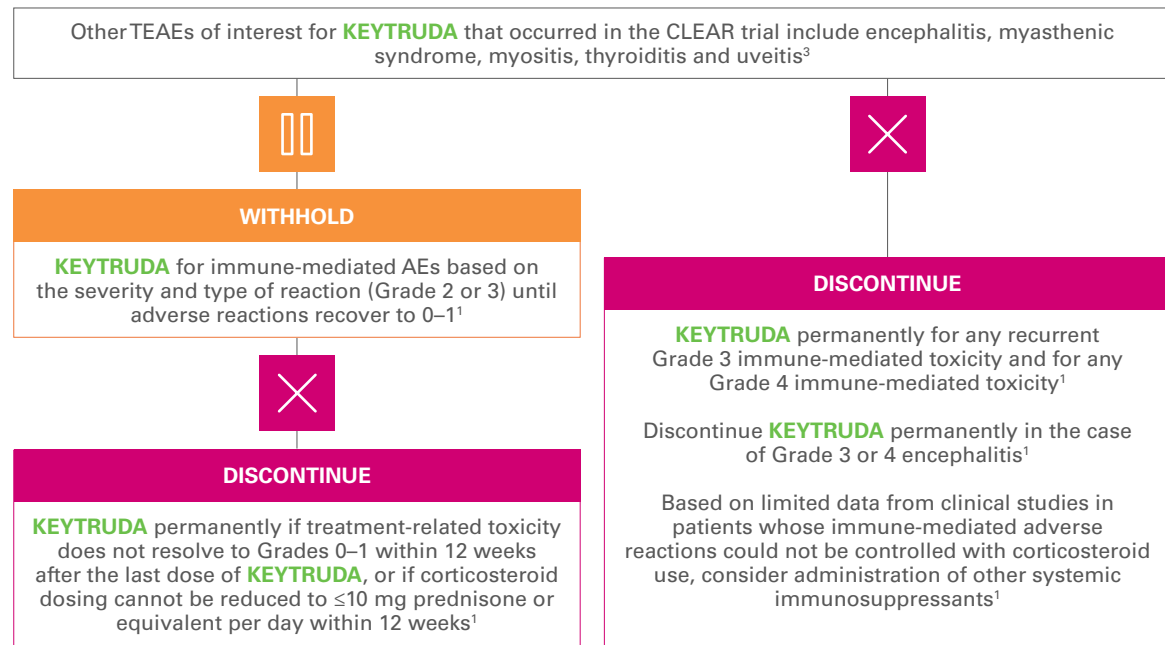
Myocarditis

Hypophysitis

Type 1 diabetes mellitus

Other TEAEs of interest for KEYTRUDA

Other TEAEs of interest for KEYTRUDA



AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

[Click here to access a more comprehensive imAE management guide for KEYTRUDA](#) >

Go to the KEYTRUDA TEAE Management Section >

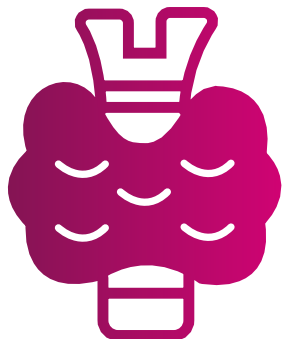
MANAGE

KISPLYX[®] (lenvatinib) capsules **Clinically significant TEAEs for KISPLYX in the CLEAR trial³**

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism	Hypertension	PPES	Proteinuria	Haemorrhage	Hepatotoxicity	Renal impairment
QT prolongation	Arterial thromboembolism	Cardiac dysfunction	GI perforation or fistula	Hypocalcaemia	Non-GI fistula	PRES/RPLS

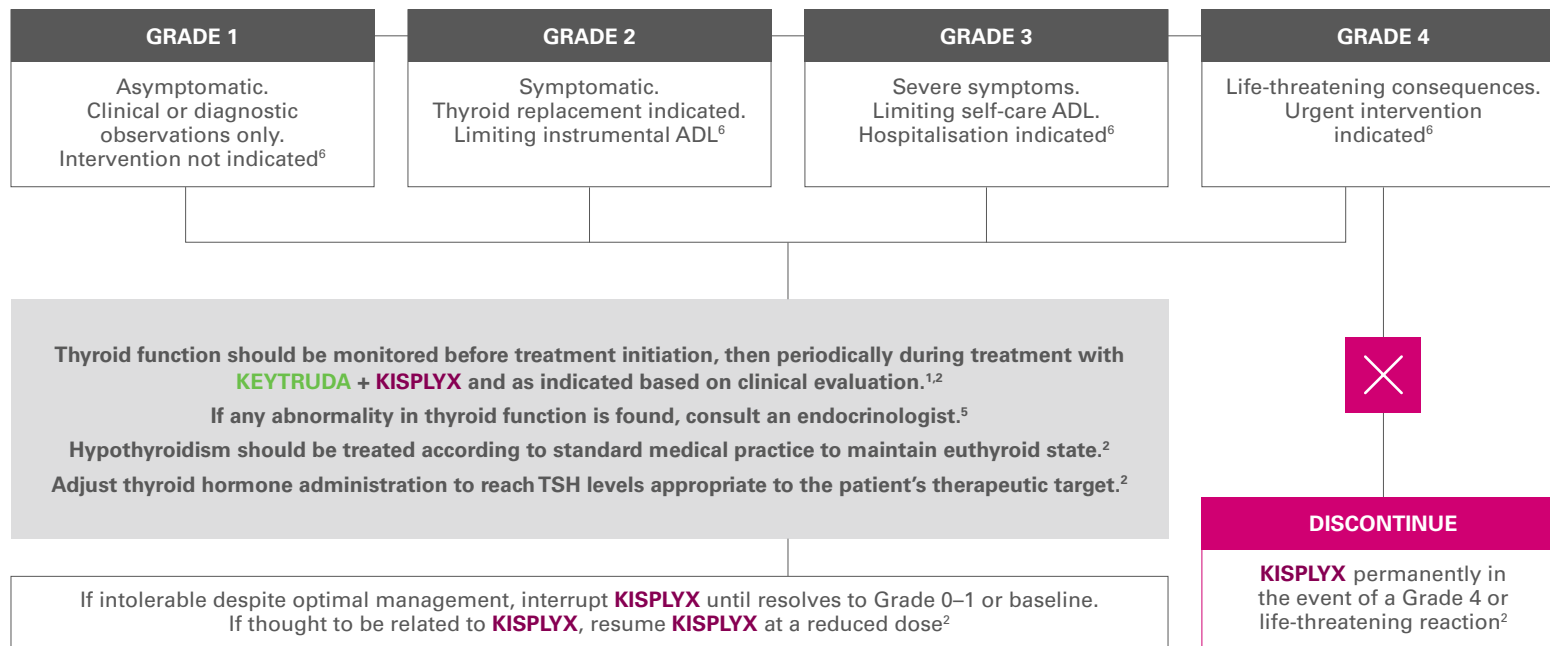
Hypothyroidism



If hypothyroidism is thought to be related to an immune-mediated AE, please refer to the KEYTRUDA SmPC.

ADL, activities of daily living; AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event; TSH, thyroid-stimulating hormone.

Please refer to the individual product SmPCs for further information.



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Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX[®] (lenvatinib) capsules
Clinically significant TEAEs for **KISPLYX** in the CLEAR trial³

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

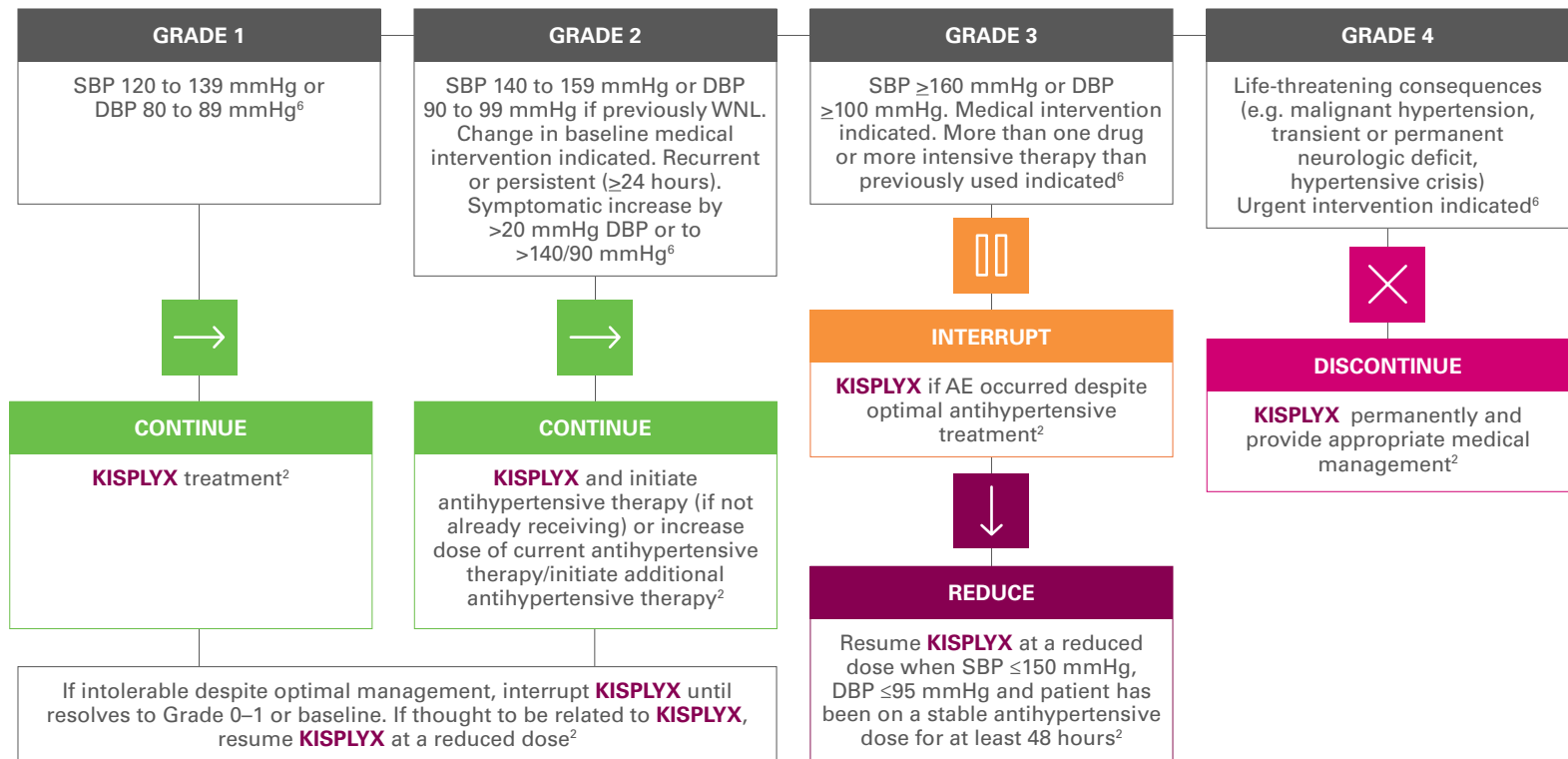
Hypertension



BP should be monitored after 1 week of treatment with **KISPLYX**, then every 2 weeks for the first 2 months, and monthly thereafter.²

In the CLEAR trial, patients with baseline hypertension had a higher incidence of proteinuria than patients without baseline hypertension.²

AE, adverse event; BP, blood pressure; DBP, diastolic blood pressure; SBP, systolic blood pressure; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event; WNL, within normal limits.



Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX
(lenvatinib) capsules
Clinically significant TEAEs for **KISPLYX** in the CLEAR trial³

Please refer to the **KISPLYX** SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

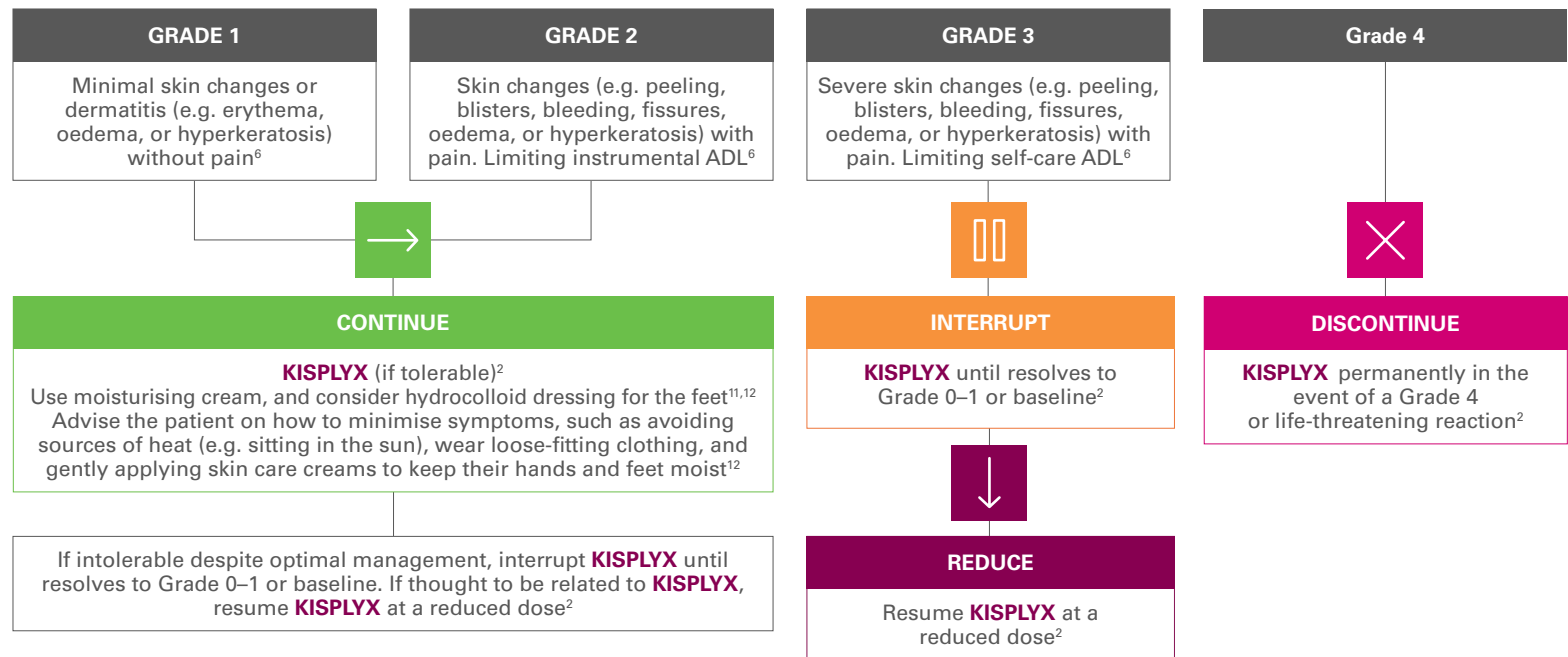
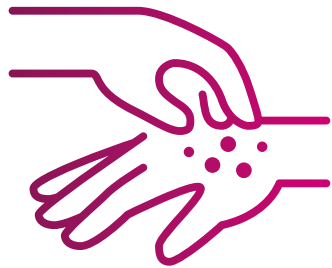
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

PPES



ADL, activities of daily living; AE, adverse event; PPES, palmar–plantar erythrodysesthesia syndrome; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX[®] (lenvatinib) capsules
Clinically significant TEAEs for **KISPLYX** in the CLEAR trial³

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

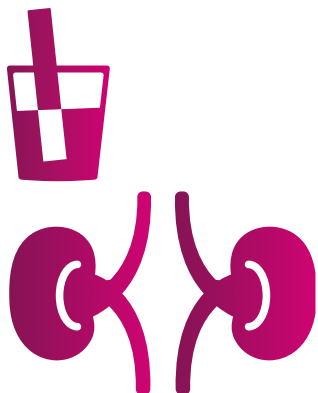
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

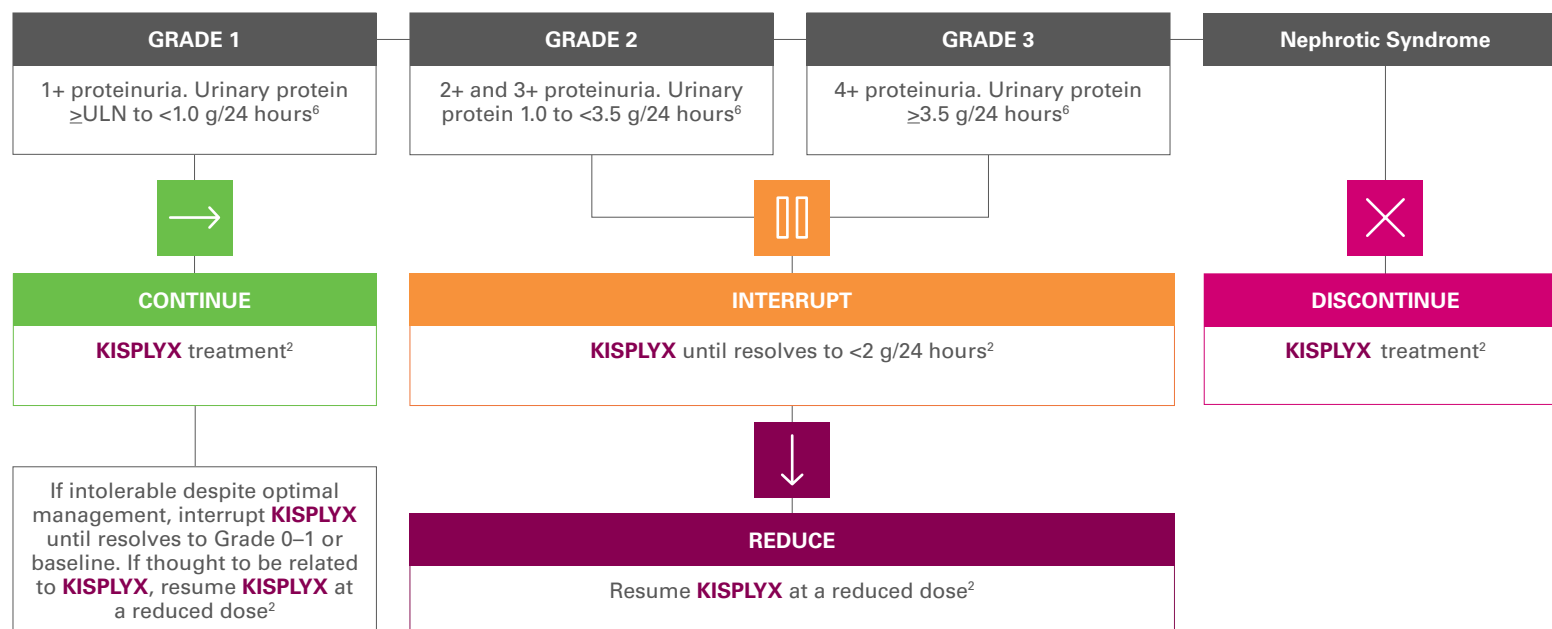
Proteinuria



Manage patients with renal dysfunction caused by diabetes or hypertension carefully.¹⁶

In the CLEAR trial, patients with baseline hypertension had a higher incidence of proteinuria than patients without baseline hypertension²

AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event; ULN, upper limit of normal.



Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX
(lenvatinib) capsules
Clinically significant TEAEs for KISPLYX in the CLEAR trial³

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

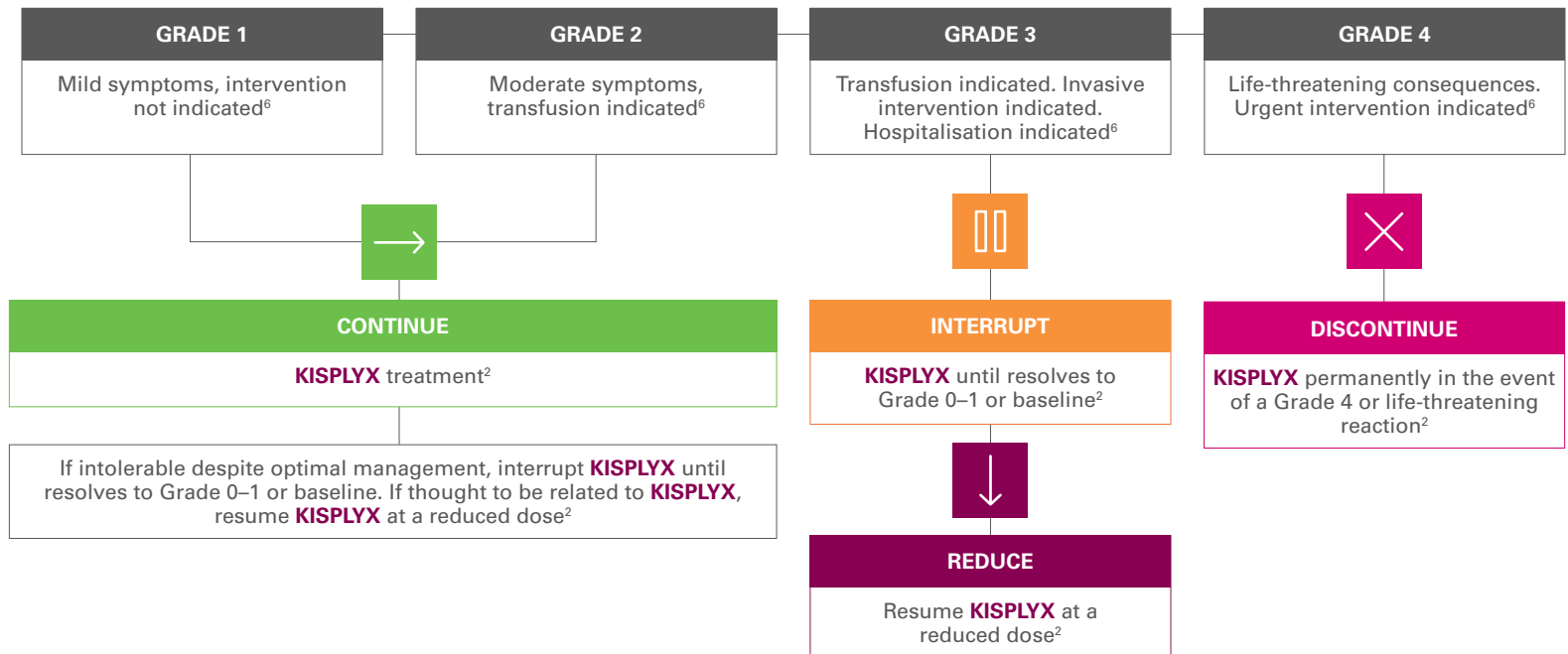
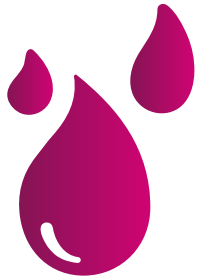
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

Haemorrhage



Please refer to the CTCAE guide for the Grade definitions specific to the bleeding type of your patient.⁶

AE, adverse event; CTCAE, Common Terminology Criteria for Adverse Events; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX[®] (lenvatinib) capsules
Clinically significant TEAEs for KISPLYX in the CLEAR trial³

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

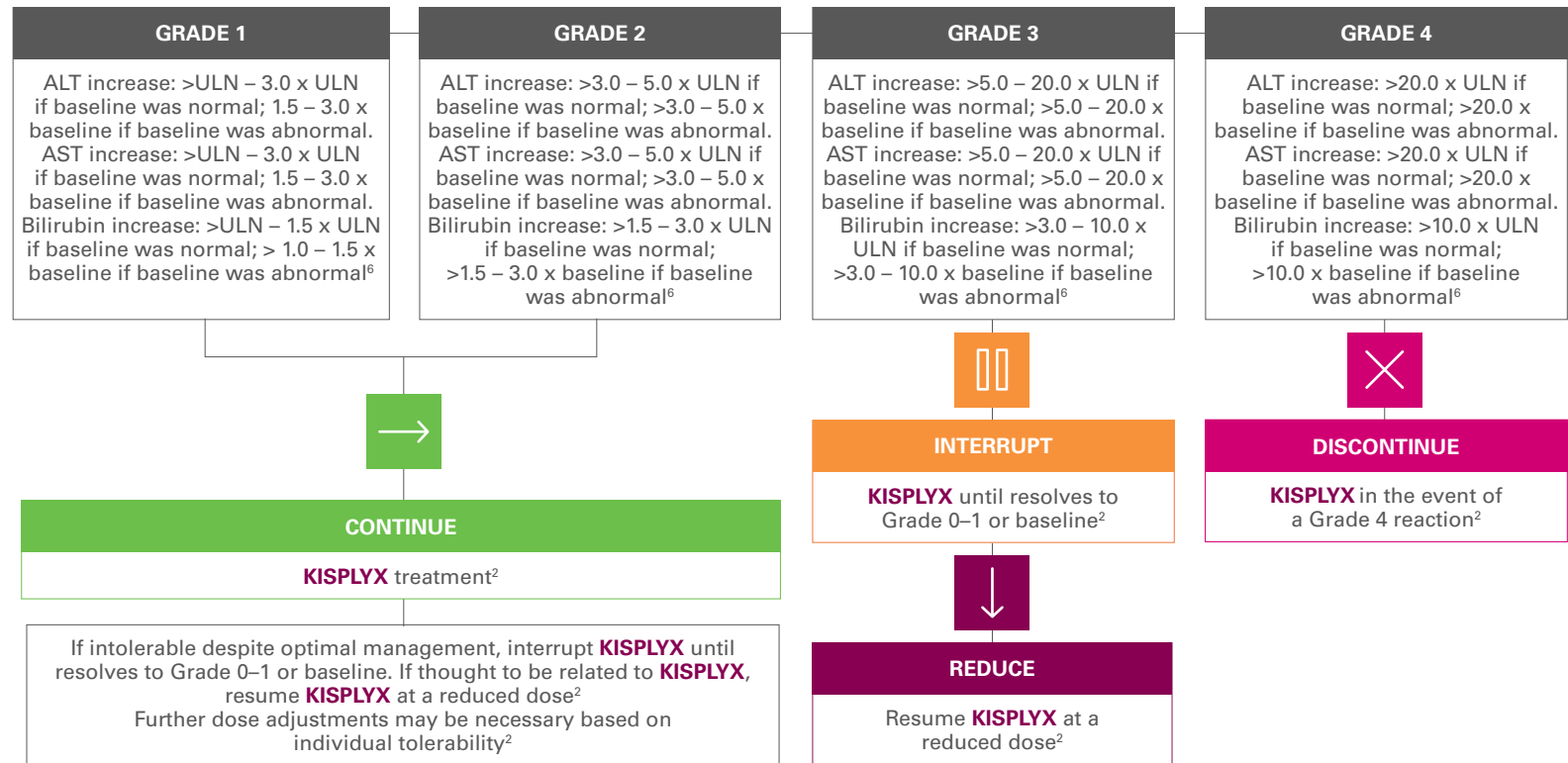
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

Hepatotoxicity



KEYTRUDA + KISPLYX should be used in patients with severe hepatic impairment only if the anticipated benefit exceeds the risk.²

AE, adverse event; ALT, alanine transaminase; AST, aspartate transaminase; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event; ULN, upper limit of normal.

Please refer to the individual product SmPCs for further information.

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Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX[®] (lenvatinib) capsules
Clinically significant TEAEs for **KISPLYX** in the CLEAR trial³

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

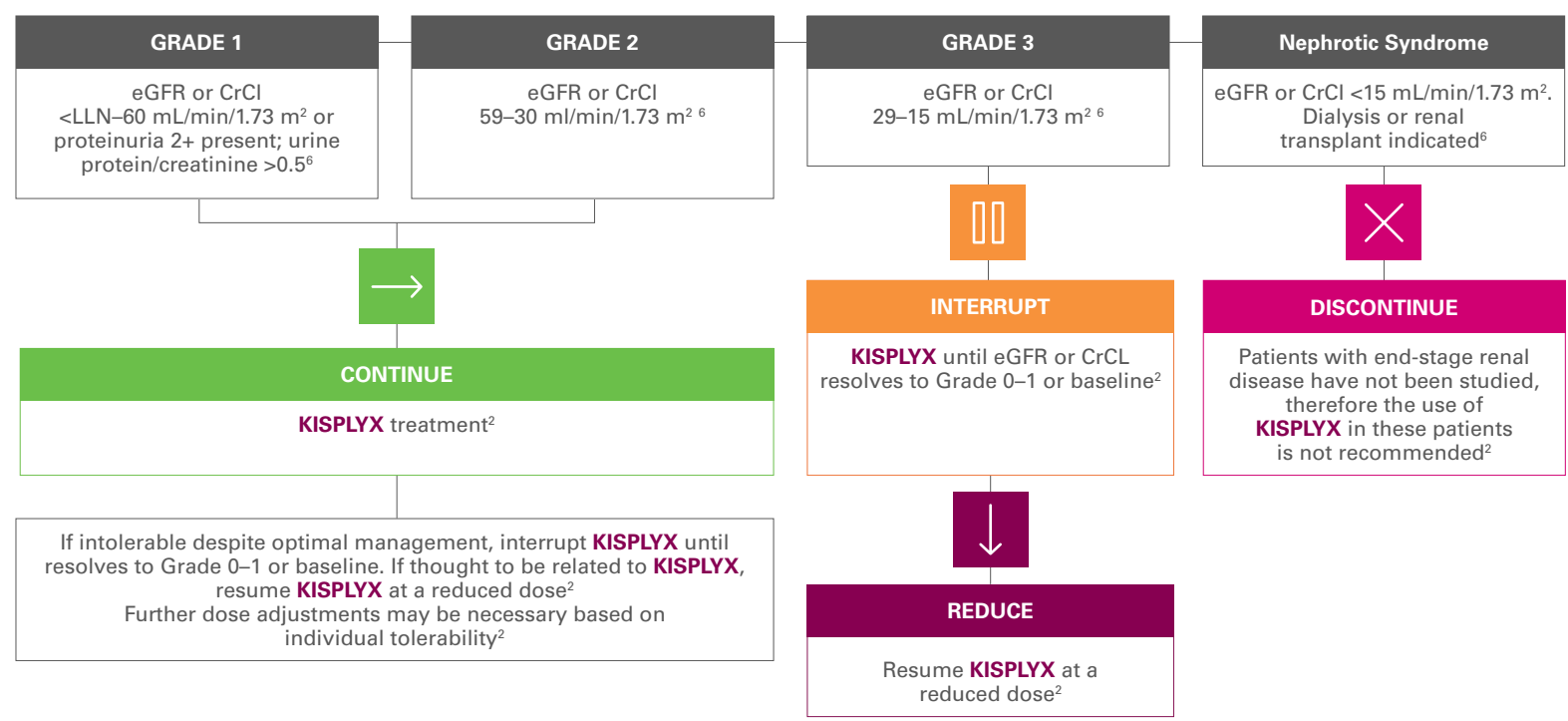
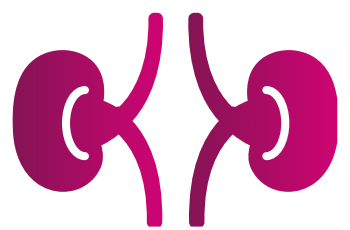
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

Renal impairment



Manage patients with renal dysfunction caused by diabetes or hypertension carefully.¹⁶

AE, adverse event; CrCL, creatinine clearance; eGFR, estimated glomerular filtration rate; LLN, lower limit of normal; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

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Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX[®] (lenvatinib) capsules **Clinically significant TEAEs for KISPLYX in the CLEAR trial³**

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

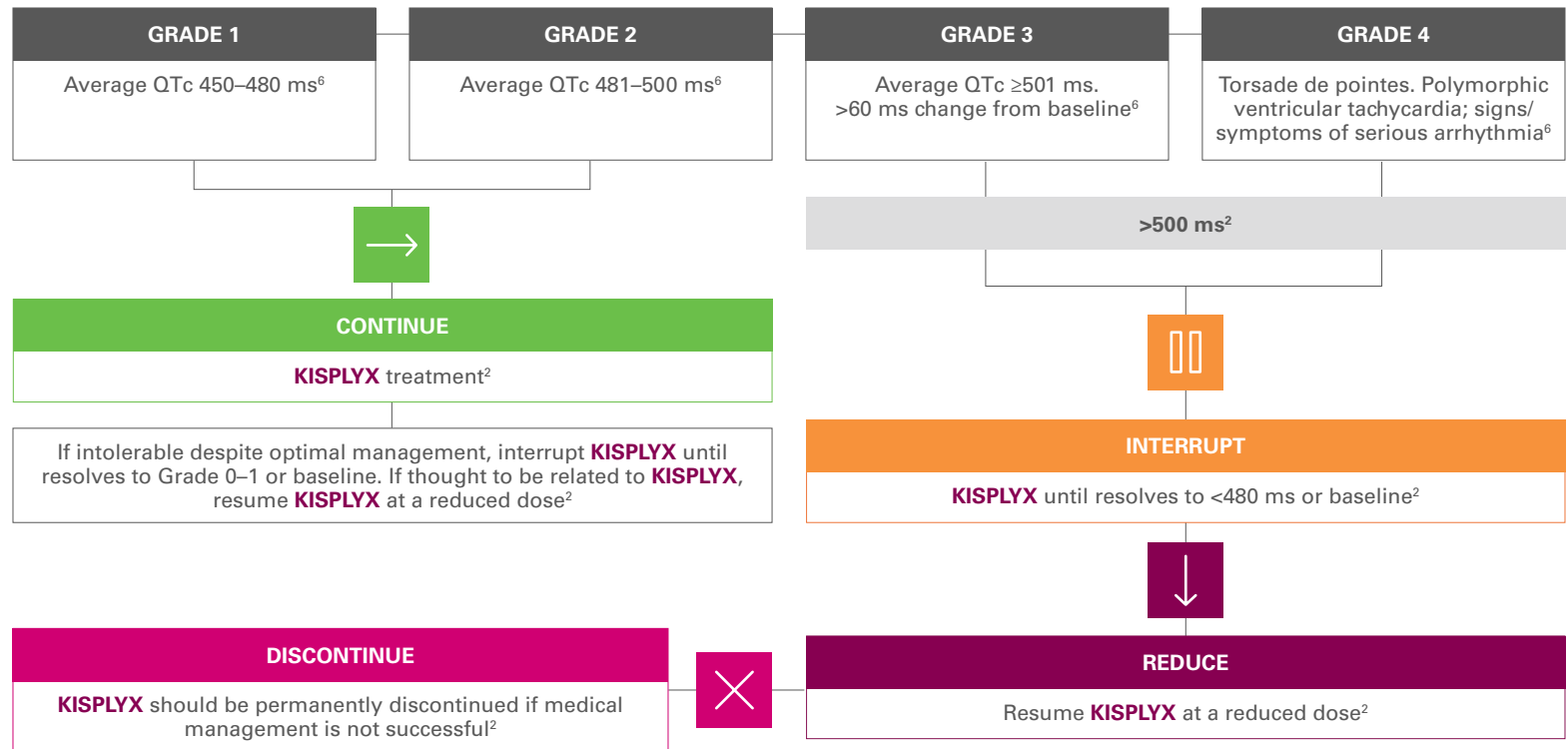
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

QT prolongation



AE, adverse event; QTc, corrected QT interval; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

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Go to the KEYTRUDA TEAE Management Section >

MANAGE

Clinically significant TEAEs for KISPLYX in the CLEAR trial³

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

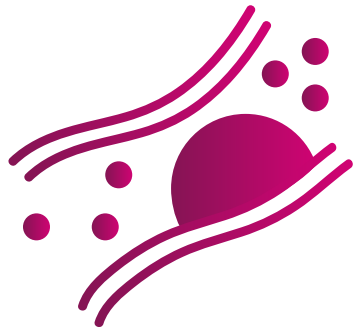
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

Arterial thromboembolism



The most commonly reported arterial thromboembolic event in the **KEYTRUDA + KISPLYX**-treated group in the CLEAR trial was myocardial infarction (3.4%). The median time to onset of arterial thromboembolic events was 10.4 months in the **KEYTRUDA + KISPLYX**-treated group²

KISPLYX has not been studied in patients who have had an arterial thromboembolism within the previous 6 months, and therefore should be used with caution in such patients. A treatment decision should be made based upon an assessment of the individual patient's benefit/risk. **KISPLYX** should be discontinued following an arterial thrombotic event²

DISCONTINUE

KISPLYX permanently if an arterial thromboembolism event of any Grade occurs²

AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Please refer to the individual product SmPCs for further information.

Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX
(lenvatinib) capsules **Clinically significant TEAEs for KISPLYX in the CLEAR trial³**

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

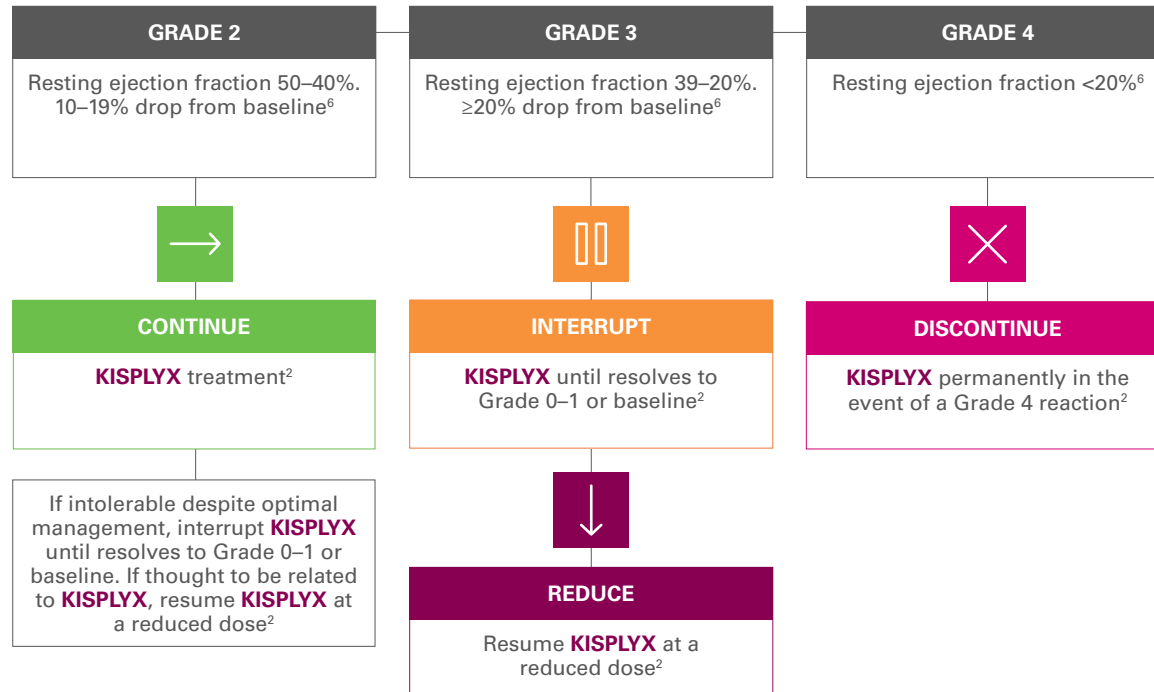
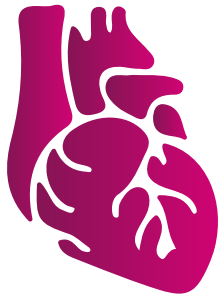
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

Cardiac dysfunction*



*Cardiac dysfunction characterised by reduced ejection fraction.⁶
AE, adverse event; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Go to the KEYTRUDA TEAE Management Section >

MANAGE

KISPLYX[®] (lenvatinib) capsules
Clinically significant TEAEs for KISPLYX in the CLEAR trial³

Please refer to the KISPLYX SmPC for further information.

Hypothyroidism

Hypertension

PPES

Proteinuria

Haemorrhage

Hepatotoxicity

Renal impairment

QT prolongation

Arterial thromboembolism

Cardiac dysfunction

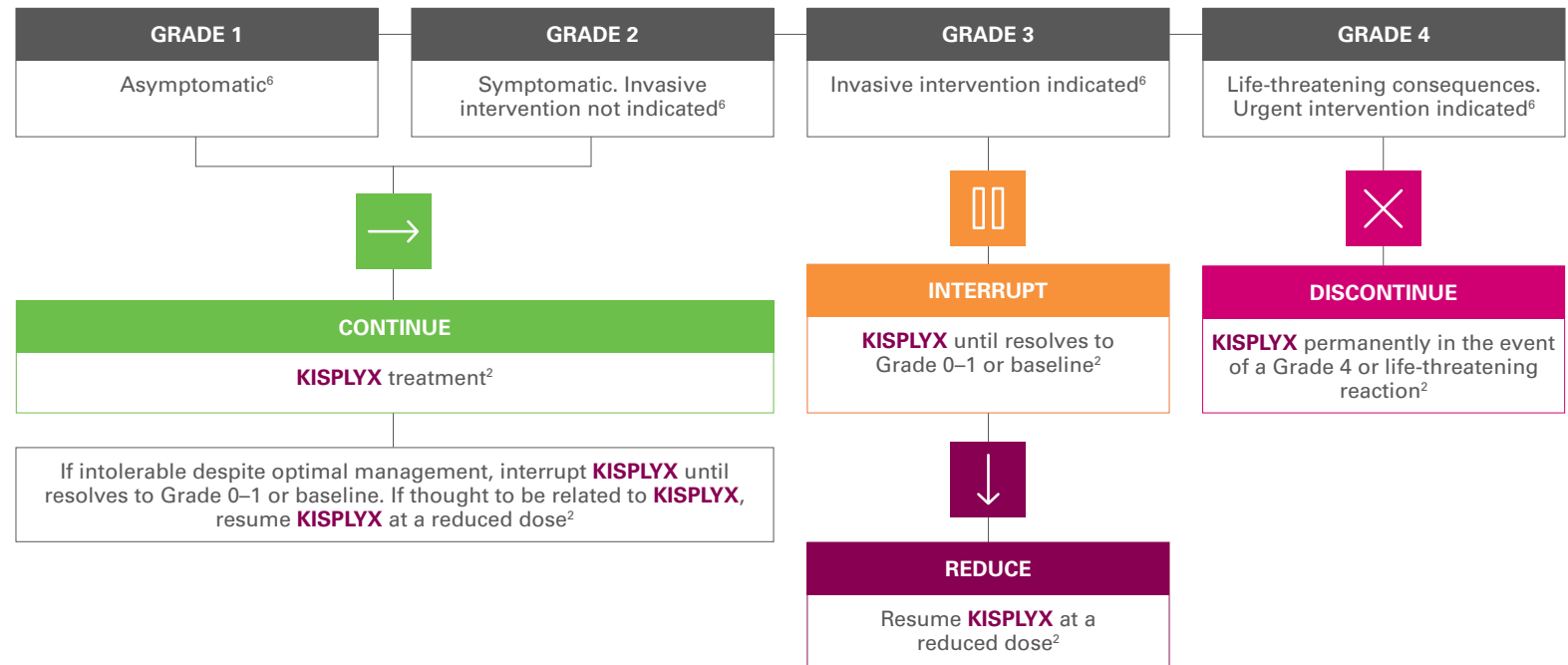
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

GI perforation or fistula



AE, adverse event; GI, gastrointestinal; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

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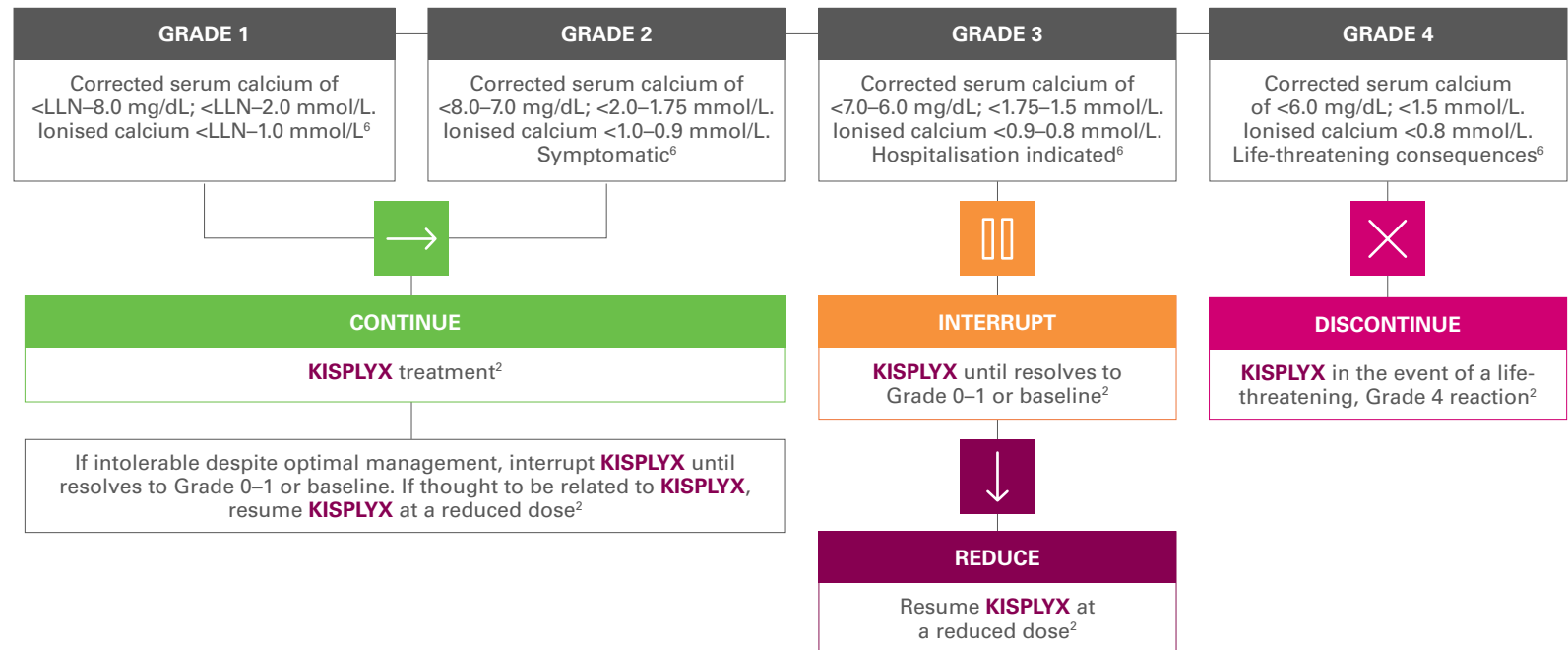
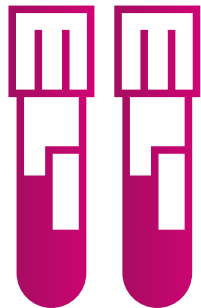
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

Hypocalcaemia



AE, adverse event; LLN, lower limit of normal; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.

Go to the KEYTRUDA TEAE Management Section 

Please refer to the KISPLYX SmPC for further information.

MANAGE



Clinically significant TEAEs for KISPLYX in the CLEAR trial³

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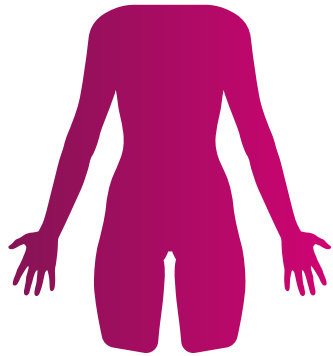
GI perforation or fistula

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PRES/RPLS

Non-GI fistula



Patients may be at increased risk for the development of fistulae when treated with **KISPLYX**.² Cases of fistula formation or enlargement that involved areas of the body other than the stomach or intestines were observed in clinical trials and in post-marketing experience, including:²

- Tracheal fistulae
- Tracheo-oesophageal fistulae
- Oesophageal fistulae
- Cutaneous fistulae
- Female genital tract fistulae



DISCONTINUE

KISPLYX should not be started in patients with fistulae to avoid worsening and **KISPLYX** should be permanently discontinued in patients with oesophageal or tracheobronchial tract involvement and any Grade 4 fistula²

Limited information is available on the use of dose interruption or reduction in the management of other events, but worsening was observed in some cases and caution should be taken²

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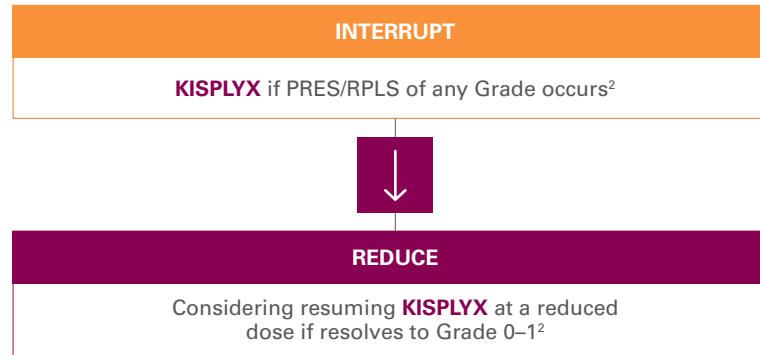
GI perforation or fistula

Hypocalcaemia

Non-GI fistula

PRES/RPLS

PRES/RPLS



Mild to severe hypertension may be present² and appropriate measures should be taken to control blood pressure – see [hypertension tab](#) for details.

AE, adverse event; PRES, posterior reversible encephalopathy syndrome; RPLS, reversible posterior leukoencephalopathy syndrome; SmPC, Summary of Product Characteristics; TEAE, treatment-emergent adverse event.



REFERENCES

1. KEYTRUDA® (pembrolizumab) Summary of Product Characteristics.
2. KISPLYX® (lenvatinib) Summary of Product Characteristics.
3. Motzer R et al. *N Engl J Med.* 2021;384(14):1289–1300. Including supplementary appendices.
4. Motzer R et al. *Oncologist.* 2023;28(6):501–509.
5. Ikeda M et al. *Expert Opin Drug Saf.* 2018;17(11):1095–1105.
6. US Department of Health and Human Services. Common Terminology Criteria for Adverse Events (CTCAE) Version 5.0; 27 November 2017.
7. Roe H, Lennan E. *Nursing: Research and Reviews.* 2014;4: 103–115.
8. UKONS. Acute Oncology Initial Management Guidelines Version 2.0; 2018.
9. NCCN. Antiemesis guidelines v2.2023. Available at: https://www.nccn.org/professionals/physician_gls/pdf/antiemesis.pdf. Accessed November 2023.
10. Giusti et al. *Ann Oncol.* 2018; 29 (Suppl 4):iv166–iv191.
11. Stachler RJ et al. *Otolaryngol Head Neck Surg.* 2018;158(Suppl 1):S1–S42.
12. Cancer Care Ontario. Dysgeusia In Adults With Cancer Symptom Management Algorithm. Available at: https://www.cancercareontario.ca/en/system/files_force/symptoms/DysgeusiaAlgorithm.pdf?download=1. Accessed: November 2023.
13. Makker V et al. *Oncologist.* 2021;26(9):e1599–e1608.
14. Rimassa L et al. *Cancer Treat Rev.* 2019;77:20–28.
15. Cancer.net (ASCO). Hand-foot syndrome or palmarplantarerythrodysesthesia. Available at: <https://www.cancer.net/coping-with-cancer/physical-emotional-and-social-effects-cancer/managing-physical-side-effects/hand-foot-syndrome-or-palmar-plantar-erythrodysesthesia>. Accessed November 2023.
16. Takahashi S et al. *Cancers Head Neck.* 2017;2:7.

If you have any questions or would like to request any further materials please contact:

MSD medical information (0208 154 8000, medicalinformationuk@msd.com)



HOME >

PREPARE

your patients for treatment with
KEYTRUDA + KISPLYX >

DOSING GUIDE >

MONITOR

your patients on the combination therapy >

MANAGE

clinically significant TEAEs for KEYTRUDA
+ KISPLYX as reported in the CLEAR trial¹⁻³ >