

Kd
2nd-generation
PI doublet

At first relapse,

# Kd provides superior progression-free survival for patients with multiple myeloma<sup>1,\*,†</sup>

Look to KYPROLIS® for the way forward

- \*Median PFS: 18.7 months (Kd 56 mg/m²) vs 9.4 months (Vd); HR = 0.53; 95% CI: 0.44-0.65; P < 0.0001, one-sided. †Median PFS: 11.2 months (Kd 70 mg/m² once weekly) vs 7.6 months (Kd 27 mg/m² twice weekly); HR = 0.69; 95% CI: 0.54-0.88; P = 0.0014, one-sided.
- \*Kd 56 mg/m² vs Vd phase 3 design: N = 929, randomized (1:1), open-label superiority study comparing Kd to Vd in relapsed or refractory multiple myeloma patients who had received 1 to 3 lines of therapy. The primary endpoint was PFS. Select secondary endpoints included OS, overall response rate, duration of response, and safety.<sup>1,2</sup>
- †Kd 70 mg/m² once weekly vs Kd 27 mg/m² twice weekly study design: Phase 3, randomized, multicenter, open-label study (N = 478) in patients with relapsed and refractory multiple myeloma who had received 2 to 3 lines of therapy, KYPROLIS®+dexamethasone 70 mg/m² once weekly (n = 240) vs KYPROLIS®+dexamethasone 27 mg/m² twice weekly (n = 238). The primary endpoint was PFS. Secondary endpoints included ORR and safety.<sup>1,3</sup>

Note: Kd 27 mg/m<sup>2</sup> is not an FDA-approved dose for KYPROLIS®.1

Kd = KYPROLIS®+dexamethasone; PI = proteasome inhibitor; PFS = progression-free survival; Vd = Velcade® (bortezomib)+dexamethasone; HR = hazard ratio; CI = confidence interval; OS = overall survival; ORR = overall response rate.

#### **INDICATION**

• KYPROLIS® (carfilzomib) is indicated in combination with dexamethasone or with lenalidomide plus dexamethasone for the treatment of patients with relapsed or refractory multiple myeloma who have received one to three lines of therapy.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

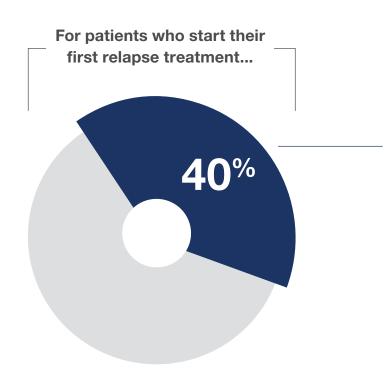
#### **Cardiac Toxicities**

- New onset or worsening of pre-existing cardiac failure (e.g., congestive heart failure, pulmonary edema, decreased ejection fraction),
  restrictive cardiomyopathy, myocardial ischemia, and myocardial infarction including fatalities have occurred following administration of
  KYPROLIS. Some events occurred in patients with normal baseline ventricular function. Death due to cardiac arrest has occurred within one
  day of administration.
- Monitor patients for signs or symptoms of cardiac failure or ischemia. Evaluate promptly if cardiac toxicity is suspected. Withhold KYPROLIS for Grade 3 or 4 cardiac adverse events until recovery, and consider whether to restart at 1 dose level reduction based on a benefit/risk assessment.

Please see additional Important Safety Information throughout.

# For your patients with multiple myeloma, your choice of treatment at first relapse can impact their chance of survival<sup>4,5</sup>

#### In 4 out of 10 patients, their treatment at first relapse may be their last<sup>4</sup>



## Of the 40% who do not receive subsequent treatment:

- 30% die
- 40% enter hospice
- 30% refuse further treatment

Data analyzed from the US Census Bureau; National Program of Cancer Registries (NPCR); Surveillance, Epidemiology, and End Results (SEER); and additional primary and secondary research sources.

## In patients who receive treatment for subsequent relapses, response rates decline by almost HALF by the third relapse<sup>5</sup>

The proportion of patients achieving VGPR decreased from 58% at first relapse to 43% at second relapse to 32% at third relapse

VGPR = very good partial response.

# The proteasome is an important therapeutic target in multiple myeloma<sup>6,7</sup>

#### About multiple myeloma

Multiple myeloma is characterized by overproduction of monoclonal proteins within plasma cells.<sup>6</sup> These cells rely heavily on proteasomes to recycle excess proteins, preventing the cell from becoming overburdened and triggering apoptosis.<sup>7</sup>



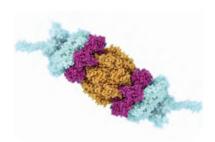
#### Proteasomes exist in every cell<sup>7</sup>

Proteasomes are important to myeloma cell survival, making them a logical target.<sup>6</sup>

#### Proteasome inhibitors (PIs) work inside the cell7

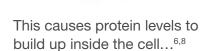
Proteasomes are found inside the cell cytoplasm and nucleus.<sup>7</sup>

#### How PIs work



Pls inhibit proteasomal activity, preventing proteasomes from recycling excess proteins.<sup>6,8</sup>









...resulting in myeloma cell apoptosis.<sup>6,8</sup>

KYPROLIS® is a second-generation PI with irreversible binding for the proteasome<sup>1,8-10</sup>

For more information, see the video "Pathway to Proteasome Inhibition" at KYPROLIS-HCP.com/mechanism-of-action

Note: The clinical significance of in vitro studies is unknown. Mechanism of action statements are not meant to imply clinical efficacy.

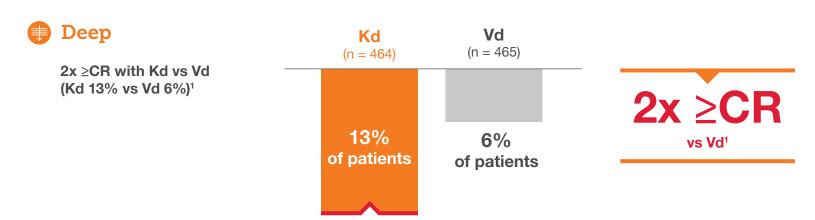
#### **IMPORTANT SAFETY INFORMATION FOR KYPROLIS**

#### **Cardiac Toxicities (cont'd)**

- While adequate hydration is required prior to each dose in Cycle 1, monitor all patients for evidence of volume overload, especially patients at risk for cardiac failure. Adjust total fluid intake as clinically appropriate.
- For patients ≥ 75 years, the risk of cardiac failure is increased. Patients with New York Heart Association Class III and IV heart failure, recent myocardial infarction, conduction abnormalities, angina, or arrhythmias may be at greater risk for cardiac complications and should have a comprehensive medical assessment prior to starting treatment with KYPROLIS and remain under close follow-up with fluid management.

#### In a head-to-head study in RMM,

# Kd 56 mg/m<sup>2</sup> DOUBLED a patient's chance of achieving CR or better (Kd vs Vd)<sup>1</sup>



#### Kd: NCCN preferred doublet11

NCCN Guidelines®: Carfilzomib (KYPROLIS®) in combination with dexamethasone (Kd) is the only preferred doublet regimen for relapsed multiple myeloma

Carfilzomib (KYPROLIS®) in combination with dexamethasone (Kd twice weekly) has a category 1 designation in the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) for Multiple Myeloma (Version 2.2020) for previously treated multiple myeloma.

NCCN makes no warranties of any kind whatsoever regarding this content, use or application and disclaims any responsibility for their application or use in any way.

RMM = relapsed multiple myeloma;  $Kd = KYPROLIS^{\circ}+dexamethasone$ ;  $Vd = Velcade^{\circ}$  (bortezomib)+dexamethasone;  $\geq CR = complete$  response or better; NCCN = National Comprehensive Cancer Network.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

#### **Acute Renal Failure**

Cases of acute renal failure, including some fatal renal failure events, and renal insufficiency adverse events (including renal failure) have
occurred. Acute renal failure was reported more frequently in patients with advanced relapsed and refractory multiple myeloma who received
KYPROLIS monotherapy. Monitor renal function with regular measurement of the serum creatinine and/or estimated creatinine clearance.
 Reduce or withhold dose as appropriate.

#### **Tumor Lysis Syndrome**

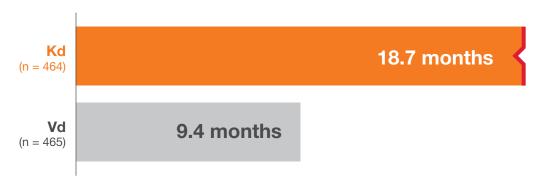
Cases of Tumor Lysis Syndrome (TLS), including fatal outcomes, have occurred. Patients with a high tumor burden should be considered at
greater risk for TLS. Adequate hydration is required prior to each dose in Cycle 1, and in subsequent cycles as needed. Consider uric acid
lowering drugs in patients at risk for TLS. Monitor for evidence of TLS during treatment and manage promptly, and withhold until resolved.

#### In a head-to-head study in RMM,

### Kd 56 mg/m<sup>2</sup> nearly DOUBLED median PFS vs Vd<sup>1,2</sup>



Kd significantly increased time to disease progression or death<sup>1,2</sup>





HR = 0.53; 95% CI: 0.44-0.65; P < 0.0001, one-sided.<sup>1,2</sup>

Overall, 47% reduction in the risk of disease progression or death vs Vd<sup>1,2</sup>

## Exploratory analysis: 1-year increase in median PFS in patients with 1 prior line vs Vd<sup>12</sup>:

At first relapse, Kd 56 mg/m² demonstrated a 12-month increase in median progression-free survival over Vd12

- At first relapse, 22.2 months Kd (n = 232) vs 10.1 months Vd (n = 232) (HR = 0.45; 95% CI: 0.33-0.61)<sup>12</sup>
- Exploratory analysis: While this subgroup analysis was preplanned, demonstration of PFS efficacy within this subgroup was not a study objective. The study was not powered to evaluate PFS efficacy within this subgroup





RMM = relapsed multiple myeloma; Kd = KYPROLIS®+dexamethasone; PFS = progression-free survival; Vd = Velcade® (bortezomib)+dexamethasone; HR = hazard ratio; CI = confidence interval.

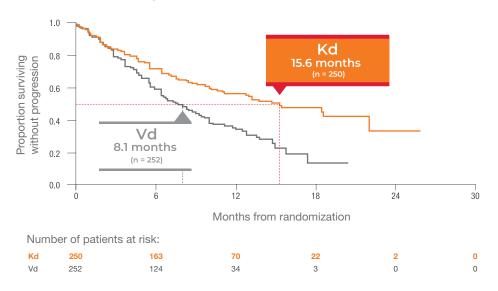
Kd 56 mg/m<sup>2</sup> is the first and only doublet with a proven median overall survival advantage vs Vd (Kd 47.6 months vs Vd 40.0 months)<sup>1,2,13</sup>

HR = 0.79; 95% CI: 0.65-0.96; P = 0.01, one-sided.<sup>1,2,13</sup>



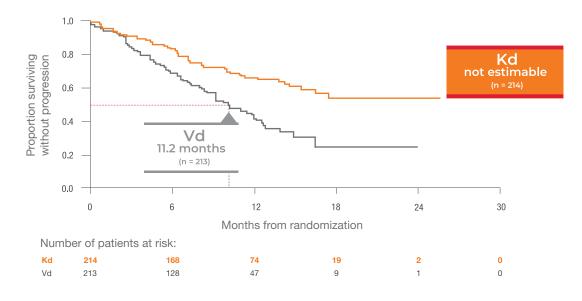
# Exploratory subgroup analysis: Kd 56 mg/m<sup>2</sup> PFS results were consistent, independent of prior PI exposure<sup>2</sup>

#### Prior bortezomib exposure<sup>2</sup>



- HR = 0.56; 95% CI: 0.44-0.73
- In an exploratory subgroup analysis of patients with prior exposure to bortezomib, results were consistent with overall PFS results. Study was not powered for PFS efficacy in these subgroups, and estimation of PFS was not a study objective<sup>2</sup>

#### Bortezomib naive<sup>2</sup>



• HR = 0.48; 95% CI: 0.36-0.66

For patients ineligible for lenalidomide, choose Kd 56 mg/m<sup>2</sup> instead of Vd

Kd = KYPROLIS®+dexamethasone; PFS = progression-free survival; PI = proteasome inhibitor; Vd = Velcade® (bortezomib)+dexamethasone; HR = hazard ratio; CI = confidence interval.

#### **IMPORTANT SAFETY INFORMATION FOR KYPROLIS**

#### **Pulmonary Toxicity**

 Acute Respiratory Distress Syndrome (ARDS), acute respiratory failure, and acute diffuse infiltrative pulmonary disease such as pneumonitis and interstitial lung disease have occurred. Some events have been fatal. In the event of drug-induced pulmonary toxicity, discontinue KYPROLIS.

# Post-hoc analysis: Frail-subgroup patients with Kd 56 mg/m<sup>2</sup> experienced mPFS 18.7 months vs 6.6 months with Vd<sup>14,\*,†</sup>

Patients' age, ECOG PS, and medical history (comorbidities) were used to evaluate frailty status<sup>14,\*</sup>

Median PFS14,†



Post hoc analysis:
 Demonstration of PFS by frailty status was not a study objective. This study was not powered to evaluate PFS efficacy within this subgroup

#### Select frail-subgroup safety profile (Kd 56 mg/m<sup>2</sup> vs Vd)<sup>14</sup>

- Grade ≥ 3 adverse events of interest Kd (n = 168) vs Vd (n = 159)
  - peripheral neuropathy: 4 Kd vs 15 Vd
- ischemic heart disease: 8 Kd vs 6 Vd
- acute renal failure: 15 Kd vs 7 Vd
- pulmonary hypertension: 0 Kd vs 1 Vd

- cardiac failure: 15 Kd vs 7 Vd
- Discontinuation rates due to adverse events: 33% Kd vs 30% Vd

#### Post hoc subgroup design

In a post hoc analysis, patients were categorized into 3 groups according to frailty status using a proxy algorithm based on the IMWG frailty index. Scores derived separately for patient age, a modified Charlson Comorbidity Index (CCI) derived from medical history, and ECOG PS as follows: age: score = 0 if < 75 years, score = 1 if 75–80 years, score = 2 if > 80 years; modified CCI: score = 0 if modified CCI  $\leq$  1, score = 1 if modified CCI > 1; ECOG PS: score = 0 if ECOG PS = 0, score = 1 if ECOG PS = 1, score = 2 if ECOG PS  $\geq$  2. Patients with frailty-score sums of 0, 1, or  $\geq$  2 were classified as fit, intermediate, or frail, respectively.<sup>14</sup>

<sup>†</sup>Overall median follow-up for patients in the Kd vs Vd study was approximately 37 months.<sup>1</sup>

Kd = KYPROLIS®+dexamethasone; mPFS = median progression-free survival; Vd = Velcade® (bortezomib)+dexamethasone; ECOG PS = Eastern Cooperative Oncology Group Performance Status; IMWG = International Myeloma Working Group.

#### **IMPORTANT SAFETY INFORMATION FOR KYPROLIS**

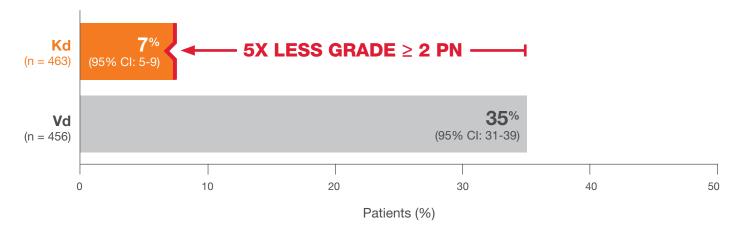
#### **Pulmonary Hypertension**

 Pulmonary arterial hypertension (PAH) was reported. Evaluate with cardiac imaging and/or other tests as indicated. Withhold KYPROLIS for PAH until resolved or returned to baseline and consider whether to restart based on a benefit/risk assessment.



<sup>\*</sup>Patients who scored ≥ 2 by the proxy algorithm were categorized as frail-subgroup patients. Frail-subgroup patients represented 36% (168/464) and 35% (162/465) of patients in the Kd and Vd arms, respectively.<sup>14</sup>

# Kd 56 mg/m<sup>2</sup> patients experienced 5x less grade $\geq$ 2 peripheral neuropathy (PN) vs Vd patients<sup>1</sup>



Among patients in the Vd group, 82% received subcutaneous bortezomib throughout their treatment.<sup>1</sup>

#### Select cardiac ARs in Kd 56 mg/m<sup>2</sup> and Vd arms<sup>1,2</sup>

	Kd (n = 463)		Vd (n = 456)	
Preferred term	All Grades	<b>Grade</b> ≥ 3	All Grades	Grade ≥ 3
Cardiac failure*	11%	5%	3%	2%
Ischemic heart disease†	3%	2%	2%	2%
Pulmonary hypertension <sup>‡</sup>	1%	1%	0.2%	0.2%
Hypertension <sup>§</sup>	18%	7%	7%	3%

**Cardiac-related inclusion and exclusion criteria:** Eligible patients were required to have a left ventricular ejection fraction of at least 40%. Patients were excluded if they had myocardial infarction within 4 months before randomization, or New York Heart Association Class III or IV heart failure.<sup>1</sup>

Kd = KYPROLIS®+dexamethasone; Vd = Velcade® (bortezomib)+dexamethasone; CI = confidence interval; ARs = adverse reactions.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

#### **Dyspnea**

 Dyspnea was reported in patients treated with KYPROLIS. Evaluate dyspnea to exclude cardiopulmonary conditions including cardiac failure and pulmonary syndromes. Stop KYPROLIS for Grade 3 or 4 dyspnea until resolved or returned to baseline. Consider whether to restart based on a benefit/risk assessment.

<sup>\*</sup>Cardiac failure included (in descending order of frequency): cardiac failure, ejection fraction decreased, pulmonary edema, acute cardiac failure, congestive cardiac failure, acute pulmonary edema, acute left ventricular failure, chronic cardiac failure, cardiopulmonary failure, hepatojugular reflux, right ventricular failure, and left ventricular failure.<sup>2</sup>

<sup>†</sup>Ischemic heart disease included (in descending order of frequency): angina pectoris, acute coronary syndrome, myocardial infarction, increased troponin T, coronary artery disease, increased troponin I, acute myocardial infarction, myocardial ischemia, and cardiomyopathy stress.²

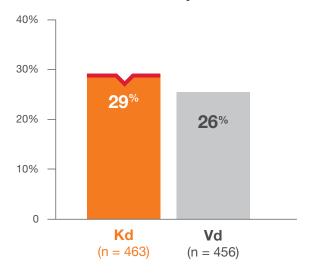
<sup>\*</sup>Pulmonary hypertension included (in decreasing order of frequency): pulmonary hypertension, right ventricular failure, and pulmonary arterial hypertension.<sup>2</sup> hypertension includes hypertension, hypertensive crisis, and hypertensive emergency.<sup>1</sup>

# Kd 56 mg/m<sup>2</sup> led to a longer time on therapy and comparable discontinuation rates<sup>1,13</sup>

Median treatment duration<sup>1,13</sup>



#### Discontinuation due to any ARs1



 The most common reaction leading to discontinuation was cardiac failure in the Kd arm (n = 8, 2%) and peripheral neuropathy in the Vd arm (n = 22, 5%)¹

- Deaths due to ARs within 30 days of last study treatment occurred in 7% of patients (n = 32) in the Kd arm and 5% of patients (n = 21) in the Vd arm<sup>1</sup>
- Death due to cardiac ARs occurred in 1% of patients (n = 4) in the Kd arm and 1% of patients (n = 5) in the Vd arm<sup>1</sup>

See pages 21 and 22 for information on managing cardiac ARs, as well as on managing hydration before and throughout treatment.

Kd = KYPROLIS®+dexamethasone; Vd = Velcade® (bortezomib)+dexamethasone; ARs = adverse reactions.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

#### **Hypertension**

 Hypertension, including hypertensive crisis and hypertensive emergency, has been observed, some fatal. Control hypertension prior to starting KYPROLIS. Monitor blood pressure regularly in all patients. If hypertension cannot be adequately controlled, withhold KYPROLIS and evaluate.
 Consider whether to restart based on a benefit/risk assessment.

Please see additional Important Safety Information throughout.



### Kd 70 mg/m<sup>2</sup> once weekly provides superior PFS and ORR vs Kd 27 mg/m<sup>2</sup> twice weekly<sup>1</sup>

#### Extended PFS by 47%<sup>1</sup>

 11.2 months in the once-weekly arm vs 7.6 months in the twice-weekly arm\* \*HR = 0.69; 95% CI: 0.54-0.88; P = 0.0014, one-sided.

#### 54% higher ORR<sup>1</sup>

 62.9% in the once-weekly arm vs 40.8% in the twice-weekly arm<sup>†</sup>

 $^{\dagger}P < 0.0001$ , one-sided.

#### Deeper response<sup>1</sup>

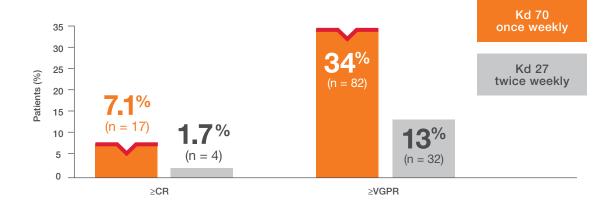
- 4x as many patients achieved ≥CR: 7.1% in the once-weekly arm vs 1.7% in the twice-weekly arm<sup>‡</sup>
- Nearly 3x as many patients achieved ≥VGPR: 34% in the once-weekly arm vs 13% in the twice-weekly arm<sup>‡</sup>

<sup>‡</sup>A subgroup analysis of ORR.

reduction

in the risk of disease progression or death with Kd 70 mg/m<sup>2</sup> once weekly vs Kd 27 mg/m<sup>2</sup> twice weekly<sup>1</sup>

NOTE: Kd 27 mg/m<sup>2</sup> IS NOT AN FDA-APPROVED DOSE FOR KYPROLIS®.1



#### THE FDA GRANTED **PRIORITY REVIEW**

KYPROLIS® (carfilzomib) is the first hematology product approved under the FDA Oncology Center of Excellence Real-Time Oncology Review Pilot Program. 15,16

Kd 70 mg/m<sup>2</sup> once weekly vs Kd 27 mg/m<sup>2</sup> twice weekly study design: Phase 3, randomized, multicenter, open-label study (N = 478) in patients with relapsed and refractory multiple myeloma who had received 2 to 3 lines of therapy, KYPROLIS®+dexamethasone 70 mg/m² once weekly (n = 240) vs KYPROLIS®+dexamethasone 27 mg/m² twice weekly (n = 238). The primary endpoint was PFS. Secondary endpoints included ORR and safety.<sup>1,3</sup>

Kd = KYPROLIS®+dexamethasone; PFS = progression-free survival; ORR = overall response rate; HR = hazard ratio; CI = confidence interval; ≥CR = complete response or better; ≥VGPR = very good partial response or better; Kd 70 = Kd 70 mg/m²; Kd 27 = Kd 27 mg/m².

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

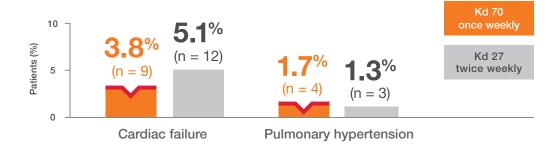
#### **Venous Thrombosis**

 Venous thromboembolic events (including deep venous thrombosis and pulmonary embolism) have been observed. Thromboprophylaxis is recommended for patients being treated with the combination of KYPROLIS with dexamethasone or with lenalidomide plus dexamethasone. The thromboprophylaxis regimen should be based on an assessment of the patient's underlying risks.

# Kd 70 mg/m<sup>2</sup> once weekly has a comparable safety profile to Kd 27 mg/m<sup>2</sup> twice weekly<sup>1,3</sup>

#### Comparable safety profiles<sup>1,3</sup>

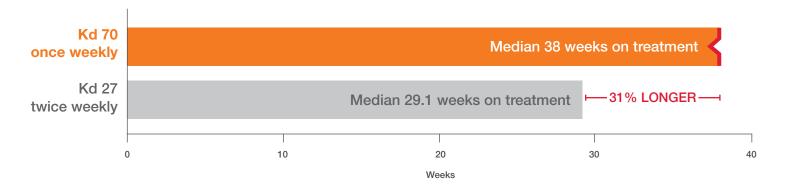
Select adverse events of interest



No new cardiac safety signals were seen in the Kd 70 once-weekly arm<sup>1,3</sup>

#### Patients were able to stay on treatment longer<sup>1</sup>

• Patients stayed on treatment 31% longer in the once-weekly arm vs the twice-weekly arm



Grade  $\geq$  3 adverse reactions of interest, Kd 70 mg/m<sup>2</sup> once weekly (n = 80) vs Kd 27 mg/m<sup>2</sup> twice weekly (n = 61): peripheral neuropathy, 0 vs 1; acute renal failure, 9 vs 13; cardiac failure, 7 vs 10; ischemic heart disease, 2 vs 2; pulmonary hypertension, 0 vs 1.<sup>3</sup>

Discontinuation rates: 13% Kd 70 mg/m² once weekly vs 12% Kd 27 mg/m² twice weekly¹

Kd = KYPROLIS®+dexamethasone.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

#### **Venous Thrombosis (cont'd)**

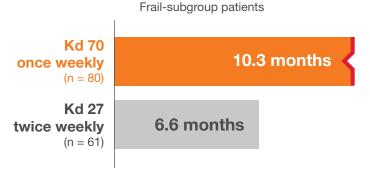
 Patients using hormonal contraception associated with a risk of thrombosis should consider an alternative method of effective contraception during treatment.



# Post-hoc analysis: Frail-subgroup patients with Kd 70 mg/m<sup>2</sup> once weekly experienced mPFS 10.3 months vs 6.6 months with Kd 27 mg/m<sup>2</sup> twice weekly<sup>17,\*</sup>

Patients' age, ECOG PS, and medical history (comorbidities) were used to evaluate frailty status<sup>17,\*</sup>

Median PFS<sup>17</sup>



 Post hoc analysis: Demonstration of PFS by frailty status was not a study objective. This study was not powered to evaluate PFS efficacy within this subgroup

## Select frail-subgroup safety profile (Kd 70 mg/m<sup>2</sup> once weekly vs Kd 27 mg/m<sup>2</sup> twice weekly)<sup>17</sup>

- Grade ≥ 3 adverse events of interest Kd 70 mg/m² once weekly (n = 79) vs Kd 27 mg/m² twice weekly (n = 60)
  - peripheral neuropathy: 0 Kd 70 vs 0 Kd 27
- ischemic heart disease: 0 Kd 70 vs 1 Kd 27
- acute renal failure: 3 Kd 70 vs 4 Kd 27
- pulmonary hypertension: 0 Kd 70 vs 1 Kd 27
- cardiac failure: 3 Kd 70 vs 5 Kd 27
- Discontinuation rates due to adverse events: 20% Kd 70 mg/m² once weekly vs 18% Kd 27 mg/m² twice weekly

#### Post hoc subgroup design

In a post hoc analysis, patients were categorized into 3 groups according to frailty status using a proxy algorithm based on the IMWG frailty index. Scores derived separately for patient age, a modified Charlson Comorbidity Index (CCI) derived from medical history, and ECOG PS as follows: age: score = 0 if < 75 years, score = 1 if 75-80 years, score = 2 if > 80 years; modified CCI: score = 0 if modified CCI  $\leq$  1, score = 1 if modified CCI > 1; ECOG PS: score = 0 if ECOG PS = 0, score = 1 if ECOG PS = 1, score = 2 if ECOG PS  $\geq$  2. Patients with frailty-score sums of 0, 1, or  $\geq$  2 were classified as fit, intermediate, or frail, respectively.<sup>17</sup>

Note: Kd 27 mg/m<sup>2</sup> is not an FDA-approved dose for KYPROLIS®.

Kd = KYPROLIS®+dexamethasone; mPFS = median progression-free survival; ECOG PS = Eastern Cooperative Oncology Group Performance Status; IMWG = International Myeloma Working Group.

#### **IMPORTANT SAFETY INFORMATION FOR KYPROLIS**

#### **Infusion Reactions**

Infusion reactions, including life-threatening reactions, have occurred. Signs and symptoms include fever, chills, arthralgia, myalgia, facial
flushing, facial edema, laryngeal edema, vomiting, weakness, shortness of breath, hypotension, syncope, chest tightness, or angina. These
reactions can occur immediately following or up to 24 hours after administration. Premedicate with dexamethasone to reduce the incidence
and severity of infusion reactions. Inform patients of the risk and of symptoms and seek immediate medical attention if they occur.

<sup>\*</sup>Patients who scored ≥ 2 by the proxy algorithm were categorized as frail-subgroup patients. Frail-subgroup patients represented 33% (80/240) and 26% (61/238) of patients in the Kd 70 and Kd 27 arms, respectively.<sup>17</sup>

### Once-weekly and twice-weekly dosing options<sup>1</sup>

Once-weekly dosing means 50% fewer KYPROLIS® infusions for appropriate patients



#### Infusion time

30 minutes

#### KYPROLIS® priming dose

20 mg/m<sup>2</sup> Day 1 of Cycle 1 to evaluate tolerability

#### Target KYPROLIS® therapeutic dose

70 mg/m² starting Day 8 of Cycle 1

#### **Treatment schedule**

- Administer 70 mg/m<sup>2</sup> 1 day each week for 3 weeks
- Follow with 13-day rest period, as part of 28-day treatment cycle
- For Cycles 10 and beyond, dexamethasone is not given on Day 22
- Continue until disease progression or unacceptable toxicity occurs



#### Infusion time

30 minutes

#### **KYPROLIS®** priming dose

20 mg/m<sup>2</sup> Days 1 and 2 of Cycle 1 to evaluate tolerability

#### Target KYPROLIS® therapeutic dose

56 mg/m<sup>2</sup> starting Day 8 of Cycle 1

#### **Treatment schedule**

- Administer 56 mg/m<sup>2</sup> 2 consecutive days each week for 3 weeks
- Follow with 12-day rest period, as part of 28-day treatment cycle
- Continue until disease progression or unacceptable toxicity occurs



KYPROLIS® is offered in 3 single-dose vial sizes: 10 mg, 30 mg, and 60 mg.<sup>1</sup>

Refer to dexamethasone Prescribing Information.

#### Manage hydration throughout treatment<sup>1</sup>

Adequate hydration is required prior to dosing in Cycle 1, especially in patients at high risk of tumor lysis syndrome or renal toxicity.

Refer to the <u>full Prescribing Information</u> and Dosing and Administration Guide for more information.

IMiD = immunomodulatory drug; Kd = KYPROLIS®+dexamethasone.

#### **IMPORTANT SAFETY INFORMATION FOR KYPROLIS**

#### **Hemorrhage**

Fatal or serious cases of hemorrhage have been reported. Hemorrhagic events have included
gastrointestinal, pulmonary, and intracranial hemorrhage and epistaxis. Promptly evaluate signs
and symptoms of blood loss. Reduce or withhold dose as appropriate.

Kyprolis\* (carfilzomib) for (neglection

Please see additional Important Safety Information throughout.

#### **IMPORTANT SAFETY INFORMATION FOR KYPROLIS (cont'd)**

#### **Thrombocytopenia**

KYPROLIS causes thrombocytopenia with recovery to baseline
platelet count usually by the start of the next cycle. Monitor
platelet counts frequently during treatment. Reduce or withhold
dose as appropriate.

#### **Hepatic Toxicity and Hepatic Failure**

Cases of hepatic failure, including fatal cases, have occurred.
 KYPROLIS can cause increased serum transaminases. Monitor liver enzymes regularly regardless of baseline values. Reduce or withhold dose as appropriate.

#### **Thrombotic Microangiopathy**

 Cases of thrombotic microangiopathy, including thrombotic thrombocytopenic purpura/hemolytic uremic syndrome (TTP/HUS), including fatal outcome have occurred. Monitor for signs and symptoms of TTP/HUS. Discontinue if diagnosis is suspected. If the diagnosis of TTP/HUS is excluded, KYPROLIS may be restarted. The safety of reinitiating KYPROLIS is not known.

#### **Posterior Reversible Encephalopathy Syndrome (PRES)**

 Cases of PRES have occurred in patients receiving KYPROLIS. If PRES is suspected, discontinue and evaluate with appropriate imaging. The safety of reinitiating KYPROLIS is not known.

#### Increased Fatal and Serious Toxicities in Combination with Melphalan and Prednisone in Newly Diagnosed Transplantineligible Patients

 In a clinical trial of transplant-ineligible patients with newly diagnosed multiple myeloma comparing KYPROLIS, melphalan, and prednisone (KMP) vs bortezomib, melphalan, and prednisone (VMP), a higher incidence of serious and fatal adverse events was observed in patients in the KMP arm. KMP is not indicated for transplant-ineligible patients with newly diagnosed multiple myeloma.

#### **Embryo-fetal Toxicity**

- KYPROLIS can cause fetal harm when administered to a pregnant woman.
- Females of reproductive potential should be advised to avoid becoming pregnant while being treated with KYPROLIS and for 6 months following the final dose. Males of reproductive potential should be advised to avoid fathering a child while being treated with KYPROLIS and for 3 months following the final dose. If this drug is used during pregnancy, or if pregnancy occurs while taking this drug, the patient should be apprised of the potential hazard to the fetus.

#### **Adverse Reactions**

 The most common adverse reactions in the combination therapy trials: anemia, neutropenia, diarrhea, dyspnea, fatigue, thrombocytopenia, pyrexia, insomnia, muscle spasm, cough, upper respiratory tract infection, hypokalemia.

Please see additional Important Safety Information throughout and the accompanying <u>full Prescribing Information</u>.

References: 1. KYPROLIS® (carfilzomib) prescribing information, Onyx Pharmaceuticals Inc., an Amgen Inc. subsidiary. 2. Dimopoulos M, Moreau P, Palumbo A, et al. Carfilzomib and dexamethasone versus bortezomib and dexamethasone for patients with relapsed or refractory multiple myeloma (ENDEAVOR); a randomised, phase 3, open-label, multicenter study, Lancet Oncol, 2016;17:27-38, 3, Moreau P. Mateos MV, Berenson JR, et al. Once weekly versus twice weekly carfilzomib dosing in patients with relapsed and refractory multiple myeloma (A.R.R.O.W.): interim analysis results of a randomised, phase 3 study. Lancet Oncol. 2018;19:953-964. 4. Data on file, Amgen; 2016. 5. Yong K, Delforge M, Driessen C, et al. Multiple myeloma: patient outcomes in real-world practice. Br J Haematol. 2016;175:252-264. 6. Kubiczkova L, Pour L, Sedlarikova L, Hajek R, Sevcikova S. Proteasome inhibitors—molecular basis and current perspectives in multiple myeloma. J Cell Mol Med. 2014;18:947-961. 7. Crawford LJ, Walker B, Irvine AE. Proteasome inhibitors in cancer therapy. J Cell Commun Signal. 2011;5:101-110. 8. Kuhn DJ, Chen Q, Voorhees PM, et al. Potent activity of carfilzomib, a novel, irreversible inhibitor of the ubiquitin-proteasome pathway, against preclinical models of multiple myeloma. *Blood.* 2007;110:3281-3290. **9.** FDA. KYPROLIS® (carfilzomib) Approval Letter. https://www.accessdata.fda.gov/drugsatfda\_docs/appletter/2012/2027140rig1s000ltr.pdf. Accessed January 2020. 10. Orlowski RZ, Kuhn DJ. Proteasome inhibitors in cancer therapy: lessons from the first decade. Clin Cancer Res. 2008;14:1649-1657. 11. Referenced with permission from the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) for Multiple Myeloma V.2.2020. © National Comprehensive Cancer Network, Inc. 2020. All rights reserved. Accessed January 2020. To view the most recent and complete version of the guideline, go online to NCCN.org. 12. Moreau P, Joshua D, Chng W-J, et al. Impact of prior treatment on patients with relapsed multiple myeloma treated with carfilzomib and dexamethasone vs bortezomib and dexamethasone in the phase 3 ENDEAVOR study. Leukemia. 2017;31:155-122. 13. Dimopoulos MA, Goldschmidt H, Niesvizky R, et al. Carfilzomib or bortezomib in relapsed or refractory multiple myeloma (ENDEAVOR): an interim overall survival analysis of an open-label, randomised, phase 3 trial. *Lancet Oncol*. 2017;18:1327-1337. 14. Facon T, Niesvizky R, Weisel K, et al. Carfilzomib in relapsed or refractory multiple myeloma: frailty subgroup analysis from phase 3 ASPIRE and ENDEAVOR. Poster presented at: 17th International Myeloma Workshop; September 12-15, 2019; Boston, MA. 15. Amgen Inc. "FDA approves KYPROLIS® (carfilzomib) once-weekly 70 mg/m² in combination with dexamethasone (Kd70) for patients with relapsed or refractory multiple myeloma." News release; October 1, 2018. 16. Prevision Policy: Real-time oncology review: pilot on fast track to expand - but sponsors may need time to catch up. November 19, 2018. 17. Mateos M, Ludwig H, Kumar S, et al. Safety and efficacy of once-weekly carfilzomib dosing in frail patients: a subgroup analysis from the phase 3 A.R.R.O.W. study. Poster presented at: 17th International Myeloma Workshop; September 2019; Boston, MA. 18. The mSMART Clinical Practice Guidelines in relapsed myeloma. Mayo Stratification for Myeloma and Risk-adapted Therapy website. https://static1.squarespace.com/static/ 5b44f08ac258b493a25098a3/t/5b806e3b4fa51af3faeb2430/1535143484774/Relapsed+MM+Guidelines.pdf. Accessed January 2020. 19. Palumbo A, Avet-Loiseau H, Oliva S, et al. Revised International Staging System for multiple myeloma: a report from International Myeloma Working Group. J Clin Oncol. 2015;33:2863-2869. 20. Palumbo A, Rajkumar SV, San Miguel JF, et al. International Myeloma Working Group consensus statement for the management, treatment, and supportive care of patients with myeloma not eligible for standard autologous stem-cell transplantation. *J Clin Oncol.* 2014;32:587-600. **21.** Sonneveld P, Broijl A. Treatment of relapsed and refractory multiple myeloma. Haematologica. 2016;101:396-406. 22. Mikhael J. Management of carfilzomib-associated cardiac adverse events. Clin Lymphoma Myeloma Leuk. 2016;16:241-245.





## Choose the proteasome inhibitor with superior progression-free survival<sup>1</sup>



#### Deep

Improved rates of complete response or better: 13% Kd vs 6% Vd1



#### Durable

- Significantly extended median progression-free survival vs Vd: 18.7 months Kd vs 9.4 months Vd<sup>1,\*</sup>
- First and only doublet with a proven median overall survival advantage vs Vd<sup>1,2,13,\*</sup>



#### 5x less grade ≥ 2 peripheral neuropathy

with Kd twice weekly (7%) vs Vd (35%)1



#### Kd: Only NCCN-preferred doublet<sup>11</sup>

Carfilzomib (KYPROLIS®) in combination with dexamethasone (Kd twice weekly) has a category 1 designation in the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) for Multiple Myeloma (Version 2.2020) for previously treated multiple myeloma.

### Kd 70 mg/m<sup>2</sup> once weekly for superior PFS vs Kd 27 mg/m<sup>2</sup> twice weekly<sup>1</sup>

 Median PFS 11.2 months (Kd 70 mg/m² once weekly) vs 7.6 months (Kd 27 mg/m² twice weekly)<sup>1,†</sup>

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\*Kd vs Vd. Median PFS: 18.7 months (Kd) vs 9.4 months (Vd); HR = 0.53; 95% CI: 0.44-0.65; P < 0.0001, one-sided. Median OS: 47.6 months (Kd) vs 40.0 months (Vd); HR = 0.79; 95% CI: 0.65-0.96; P = 0.01, one-sided. 1,2,13

 $^{\dagger}$ Kd 70 mg/m² once weekly vs Kd 27 mg/m² twice weekly. Median PFS: 11.2 months (Kd 70) vs 7.6 months (Kd 27); HR = 0.69; 95% CI: 0.54-0.88; P = 0.0014, one-sided. Note: Kd 27 mg/m² is not an FDA-approved dose for KYPROLIS®.

Kd = KYPROLIS®+dexamethasone; Vd = Velcade® (bortezomib)+dexamethasone; NCCN = National Comprehensive Cancer Network; PFS = progression-free survival; HR = hazard ratio; Cl = confidence interval; OS = overall survival.

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#### **IMPORTANT SAFETY INFORMATION FOR KYPROLIS**

#### **Adverse Reactions**

 The most common adverse reactions in the combination therapy trials: anemia, neutropenia, diarrhea, dyspnea, fatigue, thrombocytopenia, pyrexia, insomnia, muscle spasm, cough, upper respiratory tract infection, hypokalemia.





# Hypothetical case study of a standard-risk\* patient with multiple myeloma at first relapse

# Time for a deep and durable response

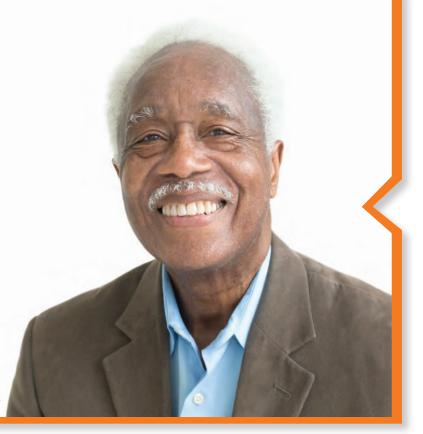
#### **JOSEPH**

## 76-YEAR-OLD AFRICAN AMERICAN MALE

- · Retired high school history teacher, widowed
- Amateur musician, enjoys teaching his grandchildren how to play guitar
- Type 2 diabetes moderately well controlled with medication and diet
- COPD limits his physical activity
- Traveling to and from visits can be challenging
- Standard-risk cytogenetics\*
- ECOG PS 2

\*Standard-risk cytogenetics is defined as cytogenetics that are not considered high risk (trisomies, t(11;14), t(6;14)) and/or R-ISS stage I. 18,19

COPD = chronic obstructive pulmonary disease; ECOG PS = Eastern Cooperative Oncology Group Performance Status; R-ISS = Revised International Staging System.



Not an actual patient.

#### INDICATION

• KYPROLIS® (carfilzomib) is indicated in combination with dexamethasone or with lenalidomide plus dexamethasone for the treatment of patients with relapsed or refractory multiple myeloma who have received one to three lines of therapy.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

#### **Cardiac Toxicities**

- New onset or worsening of pre-existing cardiac failure (e.g., congestive heart failure, pulmonary edema, decreased ejection fraction), restrictive
  cardiomyopathy, myocardial ischemia, and myocardial infarction including fatalities have occurred following administration of KYPROLIS. Some
  events occurred in patients with normal baseline ventricular function. Death due to cardiac arrest has occurred within one day of administration.
- Monitor patients for signs or symptoms of cardiac failure or ischemia. Evaluate promptly if cardiac toxicity is suspected. Withhold KYPROLIS for
  Grade 3 or 4 cardiac adverse events until recovery, and consider whether to restart at 1 dose level reduction based on a benefit/risk assessment.



#### Joseph's multiple myeloma treatment history

#### **FIRST LINE**

- Diagnosed with multiple myeloma after complaining of fatigue and nonpainful tingling in fingers
- Treated with bortezomib, lenalidomide, and dexamethasone (VRd) for 4 cycles

#### **MAINTENANCE**

 Followed by ASCT and maintenance with lenalidomide; remained in CR during maintenance

#### **PROGRESSION**

- 36 months after starting maintenance, MRI revealed the presence of new bone lesions
- Patient was exposed to lenalidomide and might consider a lenalidomide-free regimen

Joseph wants a treatment with a DEEP and DURABLE response



## Go for a deep and durable response at first relapse, regardless of cytogenetic risk

#### Important considerations for Joseph

- PRIOR PI EXPOSURE: Kd twice weekly PFS results were consistent, independent of prior bortezomib exposure<sup>2</sup>
- **EXPLORATORY ANALYSIS:** At first relapse, Kd twice weekly demonstrated a 12-month increase in median PFS vs Vd (22 months Kd vs 10.1 months Vd)<sup>12</sup>
  - While this subgroup analysis was preplanned, demonstration of PFS efficacy within these subgroups was not a study objective. The study was not powered to evaluate PFS efficacy within this subgroup<sup>1</sup>
  - Median PFS in ITT population: 18.7 months Kd vs 9.4 months Vd (HR = 0.53; 95% CI: 0.44-0.65; P < 0.0001, one-sided)<sup>1</sup>
- 2X HIGHER ≥CR: Kd twice weekly delivered 2X the rate of ≥CR vs Vd (13% Kd vs 6% Vd)¹
- 5X LESS PERIPHERAL NEUROPATHY with Kd twice weekly vs Vd (7% Kd vs 35% Vd)<sup>1</sup>

ASCT = autologous stem cell transplant; CR = complete response; MRI = magnetic resonance imaging; PI = proteasome inhibitor;  $Kd = KYPROLIS^{\circ}+dexamethasone$ ; PFS = progression-free survival;  $Vd = Velcade^{\circ}$  (bortezomib)+dexamethasone; ITT = intent-to-treat; HR = hazard ratio; CI = confidence interval;  $\geq$ CR = complete response or better.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

#### **Cardiac Toxicities (cont'd)**

- While adequate hydration is required prior to each dose in Cycle 1, monitor all patients for evidence of volume overload, especially patients
  at risk for cardiac failure. Adjust total fluid intake as clinically appropriate.
- For patients ≥ 75 years, the risk of cardiac failure is increased. Patients with New York Heart Association Class III and IV heart failure, recent
  myocardial infarction, conduction abnormalities, angina, or arrhythmias may be at greater risk for cardiac complications and should have a
  comprehensive medical assessment prior to starting treatment with KYPROLIS and remain under close follow-up with fluid management.

Please see full Important Safety Information on pages 1-14.



#### Biochemical relapse may require treatment

According to the International Myeloma Working Group (IMWG), a biochemical relapse is an INCREASE IN THE LEVEL OF ANY OF THE FOLLOWING IN 2 CONSECUTIVE MEASUREMENTS<sup>20,21</sup>

- Serum M-proteins (doubling or ≥ 10 g/L)
- Urine M-proteins (≥ 500 mg/24 hours)
- Serum FLC levels (≥ 200 mg/L or 25% increase)



# Interested in further reviewing a standard-risk hypothetical case like Joseph's with a multiple myeloma expert?

Ask your KYPROLIS® representative about participating in a Problem-based Learning Program

#### Kd: NCCN preferred doublet11

NCCN Guidelines®: Carfilzomib (KYPROLIS®) in combination with dexamethasone (Kd) is the only preferred doublet regimen for relapsed multiple myeloma

Carfilzomib (KYPROLIS®) in combination with dexamethasone (Kd twice weekly) has a category 1 designation in the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) for Multiple Myeloma (Version 2.2020) for previously treated multiple myeloma.

NCCN makes no warranties of any kind whatsoever regarding this content, use or application and disclaims any responsibility for their application or use in any way.

M-proteins = monoclonal proteins; FLC = free light chain; NCCN = National Comprehensive Cancer Network.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

#### **Acute Renal Failure**

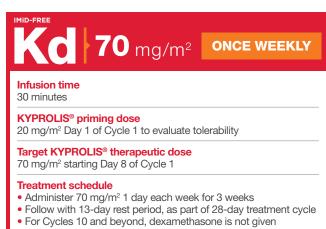
Cases of acute renal failure, including some fatal renal failure events, and renal insufficiency
adverse events (including renal failure) have occurred. Acute renal failure was reported more
frequently in patients with advanced relapsed and refractory multiple myeloma who received
KYPROLIS monotherapy. Monitor renal function with regular measurement of the serum
creatinine and/or estimated creatinine clearance. Reduce or withhold dose as appropriate.







#### How to dose Kd<sup>1</sup>



Infusion time
30 minutes

KYPROLIS® priming dose
20 mg/m² Days 1 and 2 of Cycle 1 to evaluate tolerability

Target KYPROLIS® therapeutic dose
56 mg/m² starting Day 8 of Cycle 1

Treatment schedule

Administer 56 mg/m² 2 consecutive days each week for 3 weeks
Follow with 12-day rest period, as part of 28-day treatment cycle
Continue until disease progression or unacceptable toxicity occurs

Refer to dexamethasone Prescribing Information.

· Continue until disease progression or unacceptable

• KYPROLIS® is offered in 3 single-dose vial sizes: 10 mg, 30 mg, and 60 mg.1



#### Calculating the priming & therapeutic dose<sup>1</sup>

Patient's body surface area (BSA; m²) x dose (mg/m²)

#### **EXAMPLES:**

toxicity occurs

#### Kd 70 mg/m<sup>2</sup> ONCE WEEKLY:

Calculate the correct Kd once weekly  $mg/m^2$  dose for a patient with a BSA of 1.8  $m^2$ Priming Dose: 1.8  $m^2$  x 20  $mg/m^2$  = 36 mg

Therapeutic Dose:  $1.8 \text{ m}^2 \times 70 \text{ mg/m}^2 = 126 \text{ mg}$ 

#### Kd 56 mg/m<sup>2</sup> TWICE WEEKLY:

Calculate the correct Kd twice weekly mg/m² dose for a patient with a BSA of 1.8 m²
Priming Dose: 1.8 m² x 20 mg/m² = 36 mg

Therapeutic Dose: 1.8  $m^2$  x 56  $mg/m^2$  = 101 mg



#### Manage hydration throughout treatment<sup>1</sup>

Adequate hydration is required prior to dosing in Cycle 1, especially in patients at high risk of tumor lysis syndrome or renal toxicity.

- The recommended hydration includes both oral fluids (30 mL per kg at least 48 hours before Cycle 1, Day 1) and IV fluids (250 mL to 500 mL of appropriate IV fluid prior to each dose in Cycle 1)
- If needed, give an additional 250 mL to 500 mL of IV fluids following KYPROLIS® administration
- Continue oral and/or IV hydration, as needed, in subsequent cycles
- Monitor patients for evidence of volume overload and adjust hydration to individual patient needs, especially in patients with or at risk for cardiac failure

Refer to the full Prescribing Information and Dosing and Administration Guide for more information.

Kd = KYPROLIS®+dexamethasone; IMiD = immunomodulatory drug; IV = intravenous.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS Tumor Lysis Syndrome

Cases of Tumor Lysis Syndrome (TLS), including fatal outcomes, have occurred. Patients with a
high tumor burden should be considered at greater risk for TLS. Adequate hydration is required prior
to each dose in Cycle 1, and in subsequent cycles as needed. Consider uric acid lowering drugs in
patients at risk for TLS. Monitor for evidence of TLS during treatment and manage promptly, and
withhold until resolved.



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## Cardiac adverse reaction (AR) considerations and management strategies

A large myeloma practice treating **several hundred patients** with KYPROLIS® shared its experience in the considerations and strategies for the prevention and management of certain cardiac ARs (cardiac failure and hypertension).<sup>22</sup>

#### Cardiac ARs (cardiac failure and hypertension)22



#### PRIOR TO KYPROLIS® INITIATION<sup>22</sup>

- Ensure patients with cardiac risk factors have been assessed by a hematologist/oncologist and a cardiologist (if required)
- Patients with baseline hypertension or coronary disease do not need to be excluded from KYPROLIS® treatment
- Ensure underlying cardiac conditions are managed
- · Plan hydration needs for individual patients

### **2** DI

#### **DURING TREATMENT**<sup>22</sup>

- Monitor for signs and symptoms of cardiac ARs (including dyspnea)
- Monitor for volume overload, and adjust hydration as necessary

### 3

#### IF A CARDIAC AR OCCURS<sup>22</sup>

- Withhold KYPROLIS® while patient is being evaluated
- · Assess for fluid overload and involve cardiologist to address clinical issues as needed
- · Consider reinstitution only if cardiac issue has been settled, and upon benefit/risk assessment
- Consider dose reduction and/or fluid restrictions upon therapy reinstitution

#### INDICATION

KYPROLIS® (carfilzomib) is indicated in combination with dexamethasone or with lenalidomide plus dexamethasone for the treatment of
patients with relapsed or refractory multiple myeloma who have received one to three lines of therapy.

#### IMPORTANT SAFETY INFORMATION FOR KYPROLIS

#### **Cardiac Toxicities**

- New onset or worsening of pre-existing cardiac failure (e.g., congestive heart failure, pulmonary edema, decreased ejection fraction), restrictive
  cardiomyopathy, myocardial ischemia, and myocardial infarction including fatalities have occurred following administration of KYPROLIS. Some
  events occurred in patients with normal baseline ventricular function. Death due to cardiac arrest has occurred within one day of administration.
- Monitor patients for signs or symptoms of cardiac failure or ischemia. Evaluate promptly if cardiac toxicity is suspected. Withhold KYPROLIS for
  Grade 3 or 4 cardiac adverse events until recovery, and consider whether to restart at 1 dose level reduction based on a benefit/risk assessment.





#### Manage hydration throughout treatment<sup>1</sup>

Adequate hydration is required prior to dosing in Cycle 1, especially in patients at high risk of tumor lysis syndrome or renal toxicity.

- The recommended hydration includes both oral fluids (30 mL per kg at least 48 hours before Cycle 1, Day 1) and IV fluids (250 mL to 500 mL of appropriate IV fluid prior to each dose in Cycle 1)
- If needed, give an additional 250 mL to 500 mL of IV fluids following KYPROLIS® administration
- Continue oral and/or IV hydration, as needed, in subsequent cycles
- Monitor patients for evidence of volume overload and adjust hydration to individual patient needs, especially in patients with or at risk for cardiac failure

Refer to the <u>full Prescribing Information</u> and Dosing and Administration Guide for more information.

IV = intravenous.

### IMPORTANT SAFETY INFORMATION FOR KYPROLIS Cardiac Toxicities (cont'd)

- While adequate hydration is required prior to each dose in Cycle 1, monitor all patients for evidence of volume overload, especially patients at risk for cardiac failure. Adjust total fluid intake as clinically appropriate.
- For patients ≥ 75 years, the risk of cardiac failure is increased. Patients with New York Heart
  Association Class III and IV heart failure, recent myocardial infarction, conduction abnormalities,
  angina, or arrhythmias may be at greater risk for cardiac complications and should have a
  comprehensive medical assessment prior to starting treatment with KYPROLIS and remain under
  close follow-up with fluid management.



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