

# Horizon At A Glance

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## Our Mission

We **put patients first**.  
At our core, we believe that science and compassion must work together to transform lives.



## Our Vision

We operate with an **entrepreneurial mindset** that unites collaboration and innovation to deliver meaningful medicines.



## Our Ethical Culture

We **operate with integrity** by fostering a culture that embraces ethical decision making and accountability when engaging others.

Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.

**KRYSTEXXA**<sup>®</sup>  
*pegloticase*



# KRYSTEXXA<sup>®</sup> (pegloticase): Changing the course of uncontrolled gout

## INDICATION

KRYSTEXXA<sup>®</sup> (pegloticase) is indicated for the treatment of chronic gout in adult patients who have failed to normalize serum uric acid and whose signs and symptoms are inadequately controlled with xanthine oxidase inhibitors at the maximum medically appropriate dose or for whom these drugs are contraindicated.

Limitations of Use: KRYSTEXXA is not recommended for the treatment of asymptomatic hyperuricemia.

**Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**



**HORIZON<sup>®</sup>**

**KRYSTEXXA<sup>®</sup>**  
*pegloticase*

# SELECT IMPORTANT SAFETY INFORMATION

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## **WARNING: ANAPHYLAXIS AND INFUSION REACTIONS, G6PD DEFICIENCY ASSOCIATED HEMOLYSIS AND METHEMOGLOBINEMIA**

- Anaphylaxis and infusion reactions have been reported to occur during and after administration of KRYSTEXXA.
- Anaphylaxis may occur with any infusion, including a first infusion, and generally manifests within 2 hours of the infusion. Delayed hypersensitivity reactions have also been reported.
- KRYSTEXXA should be administered in healthcare settings and by healthcare providers prepared to manage anaphylaxis and infusion reactions.
- Premedicate with antihistamines and corticosteroids and closely monitor for anaphylaxis for an appropriate period after administration of KRYSTEXXA.
- Monitor serum uric acid levels prior to each infusion and discontinue treatment if levels increase to above 6 mg/dL, particularly when 2 consecutive levels above 6 mg/dL are observed.
- Screen patients at risk for glucose-6-phosphate dehydrogenase (G6PD) deficiency prior to starting KRYSTEXXA. Hemolysis and methemoglobinemia have been reported with KRYSTEXXA in patients with G6PD deficiency. KRYSTEXXA is contraindicated in patients with G6PD deficiency.

## **CONTRAINDICATIONS:**



- In patients with G6PD deficiency.
- In patients with history of serious hypersensitivity reactions, including anaphylaxis, to KRYSTEXXA or any of its components.

Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.

## Disclaimer information

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- This program is sponsored by Horizon Therapeutics
- I am presenting on behalf of Horizon Therapeutics, and I am being compensated by them for my services

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# Program objectives

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1

Recognize that uncontrolled gout is a systemic, progressive disease associated with serious comorbidities and increased all-cause mortality

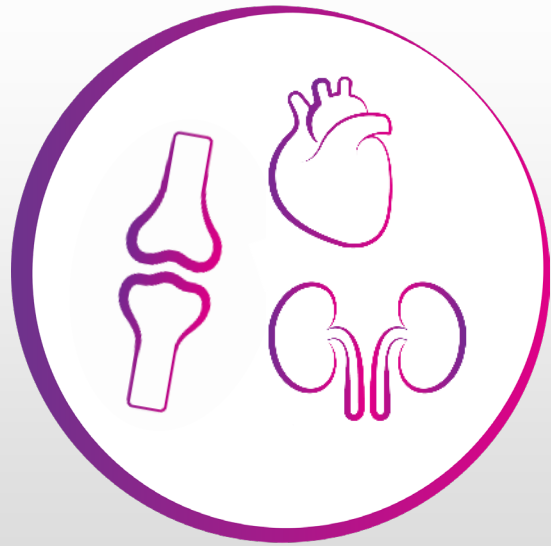
2

Discuss contributing factors to underdiagnosis and undertreatment of uncontrolled gout

3

Learn about KRYSTEXXA: the first and only biologic for uncontrolled gout

Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.



Uncontrolled gout is a systemic, progressive disease associated with serious comorbidities and increased all-cause mortality

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# Gout is often underdiagnosed and undertreated<sup>1</sup>



≈9.2 million adults  
in the US have gout<sup>2</sup>



≈3.3 million adults  
receive treatment with oral ULT<sup>2</sup>



**An important subset**  
of patients on oral ULTs fail  
to achieve control of sUA  
levels (uncontrolled gout)<sup>2,3</sup>

**10-fold increase in gout prevalence among patients with moderate-to-severe CKD<sup>4</sup>**

CKD, chronic kidney disease; sUA, serum uric acid; ULT, urate-lowering therapy.

1. Nuki G, Simkin PA. *Arthritis Res Ther.* 2006;8(suppl 1):S1-S5. 2. Chen-Xu M, et al. *Arthritis Rheumatol.* 2019;71(6):991-999. 3. Reinders MK, Jansen TL. *Ther Clin Risk Manag.* 2010;6:543-550. 4. Krishnan E. *PLoS One.* 2012;7:19.

# Uncontrolled gout can result in many unfavorable outcomes<sup>1,2</sup>



**Gout can affect daily activities and negatively impact a patient's ability to enjoy life<sup>15†</sup>**

\*Based on a national survey of 355 patients with gout currently treated by a rheumatologist.

†Based on 56% of survey respondents.

1. Edwards NL. In: Klippel JH, et al, eds. *Primer on the Rheumatic Diseases*. 13th ed. Springer; 2008:241-249. 2. Roddy E, Doherty M. *Arthritis Res Ther*. 2010;12(6):223. 3. Choi HK, et al. *Ann Rheum Dis*. 2009;68:1609-1612. 4. McQueen FM, et al. *Nat Rev Rheumatol*. 2012;8:173-181. 5. Chhana A, Dalbeth N. *Rheum Dis Clin North Am*. 2014;40:291-309. 6. Schlesinger N, Thiele RG. *Ann Rheum Dis*. 2010;69:1907-1912. 7. Sapsford M, et al. *Rheumatology (Oxford)*. 2017;56:129-133. 8. Dalbeth N, et al. *Arthritis Rheum*. 2008;58:1854-1865. 9. Chhana A, et al. *Ann Rheum Dis*. 2011;70:1684-1691. 10. Stewart S, et al. *Semin Arthritis Rheum*. 2020;50(4):805-811. 11. De Meulemeester M, et al. *BJGP Open*. 2020;4(1):bjgpopen20X101003. 12. Mikuls TR, et al. *JAMA Netw Open*. 2022;5(1):e2142347. 13. Flores NM, et al. *J Med Econ*. 2019;22(1):1-6. 14. Kabadi S, et al. *Arthritis Rheumatol*. 2016;68(suppl 10):2906-2908. 15. Alliance for Gout Awareness. [https://www.goutalliance.org/s/AGA\\_GoutSurveyReport\\_Oct2022.pdf](https://www.goutalliance.org/s/AGA_GoutSurveyReport_Oct2022.pdf). Accessed May 4, 2023. 16. Lim SY, et al. *JAMA*. 2016;315:2345-2347.



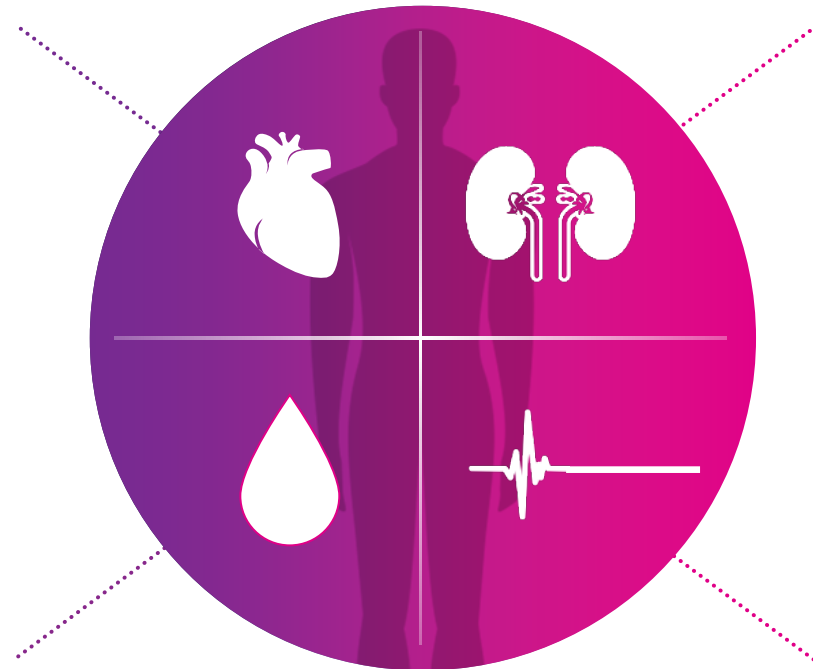
# Uncontrolled gout can lead to increased risk of mortality and serious comorbidities

## CARDIOVASCULAR

- Independent risk factor for CHD, PAD, heart failure, stroke, and HTN<sup>1,2</sup>
- ~2x greater risk of cardiovascular mortality<sup>3\*</sup>

## METABOLIC

- Independent risk factor for development of type 2 diabetes<sup>1</sup>



## RENAL

- Independent risk factor for onset and progression of CKD<sup>1,4</sup>

## MORTALITY

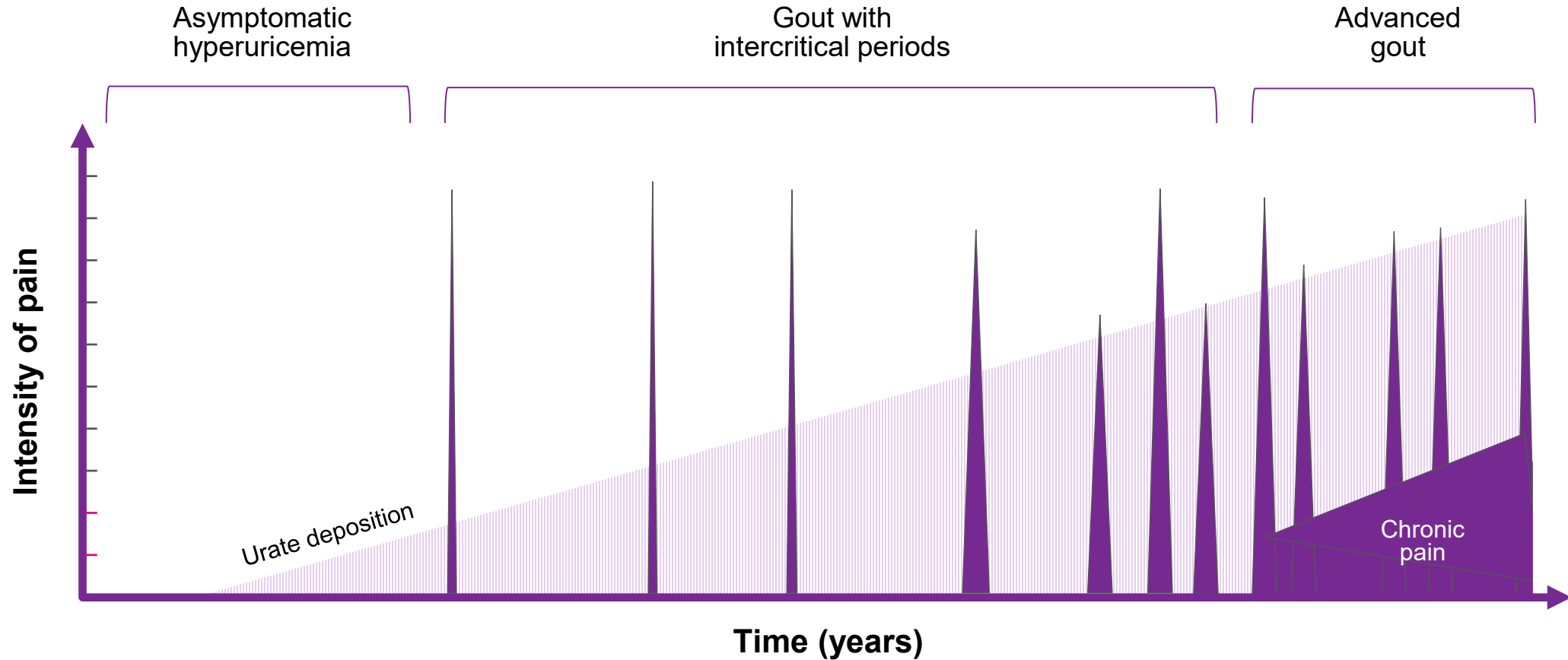
- 3-fold risk of death in patients with visible tophi at diagnosis<sup>5</sup>
- All-cause mortality increased by 9% with every 1-mg/dL increase in sUA level<sup>6</sup>

\*Cardiovascular mortality (risk ratio [RR]=2.09; 95% CI: 1.45-3.02) and all-cause mortality (RR=1.80; 95% CI: 1.39-2.34) after adjustment for potential confounders in a random effects model.<sup>3</sup>

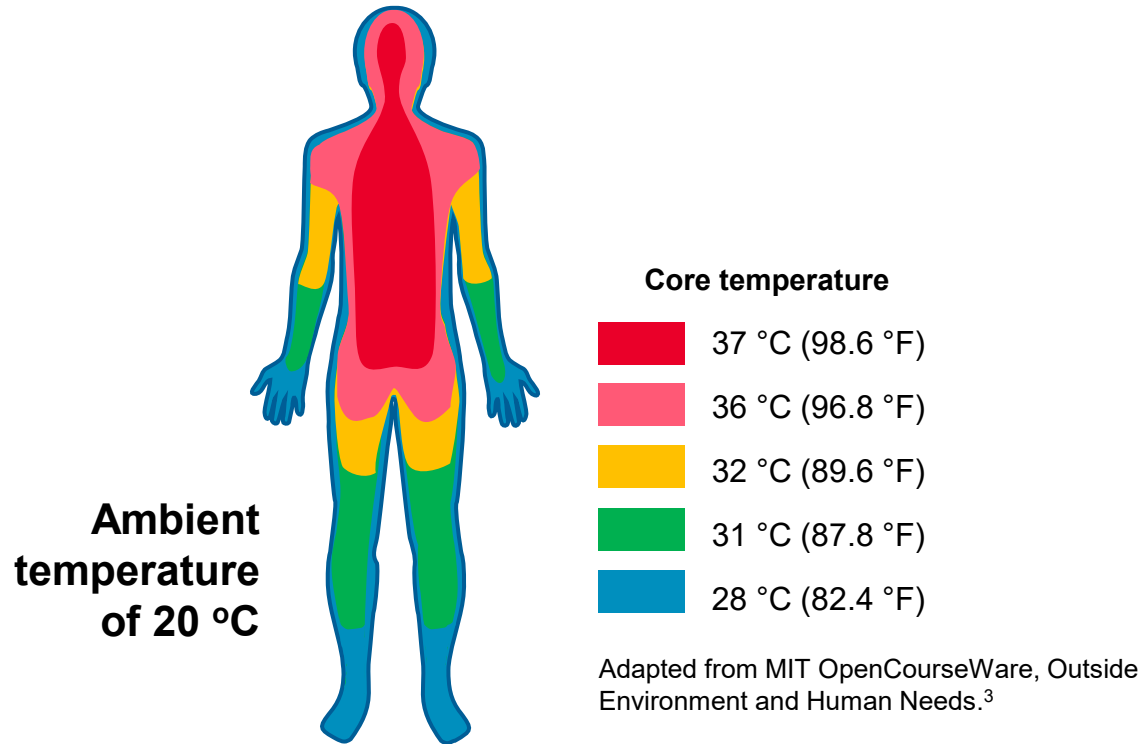
CHD, congestive heart disease; HTN, hypertension; PAD, peripheral artery disease.

1. Bardin T, Richette P. *BMC Med.* 2017;15:123. 2. Clarson LE, et al. *Ann Rheum Dis.* 2015;74:642-647. 3. Wang R, et al. *Atherosclerosis.* 2016;254:193-199. 4. Roughley M, et al. *Arthritis Res Ther.* 2018;20:243. 5. Vincent ZL, et al. *J Rheumatol.* 2017;44:368-373. 6. Zuo T, et al. *BMC Cardiovasc Disord.* 2016;16(1):207.

# Urate deposition builds over time, even between flares<sup>1-3</sup>



# Lower temperature, pH, and trauma increase the formation of urate crystals in the extremities<sup>1</sup>



## The influence of temperature on the solubility of urate in vitro<sup>2</sup>

Temperature	Calculated urate solubility (mg/dL)*
98.6 °F (37 °C) Core body temperature	6.8
95.0 °F (35 °C)	6.0
86.0 °F (30 °C)	4.5
77.0 °F (25 °C)	3.3

\*In vitro in the presence of 140 mM of sodium.

MIT, Massachusetts Institute of Technology.

1. Roddy E. *J Foot Ankle Res.* 2011;4:13. 2. Loeb JN. *Arthritis Rheum.* 1972;15:189-192. 3. MIT OpenCourseWare. <https://ocw.mit.edu/courses/4-401-introduction-to-building-technology-spring-2006/resources/lec2/>. Accessed June 15, 2023.

# Lower temperature, pH, and trauma increase the formation of urate crystals in the extremities<sup>1</sup>

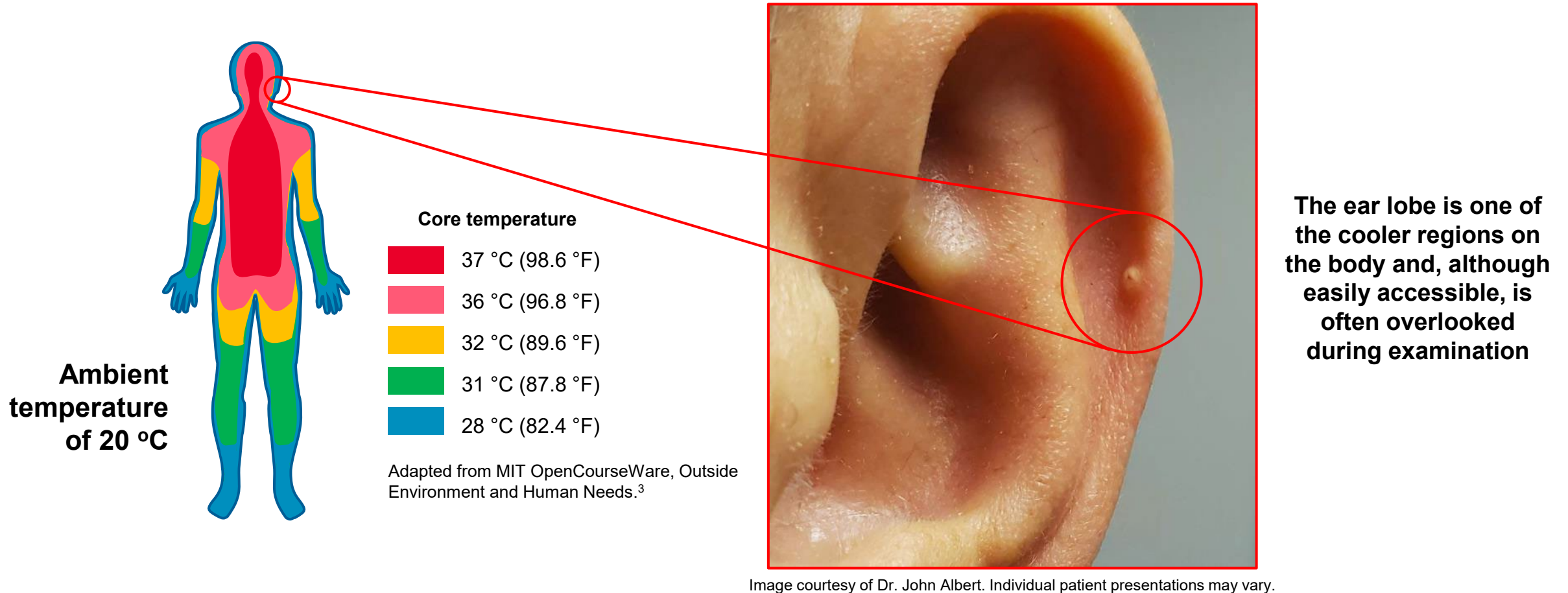


Image courtesy of Dr. John Albert. Individual patient presentations may vary.

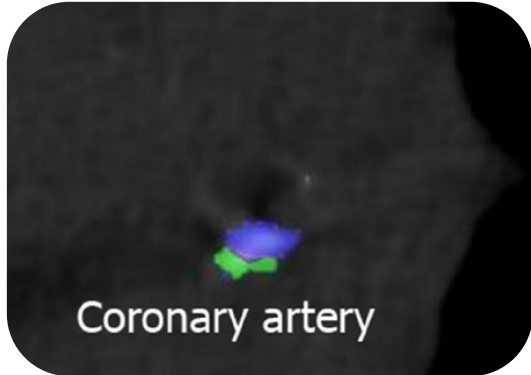
\*In vitro in the presence of 140 mM of sodium.

MIT, Massachusetts Institute of Technology.

1. Roddy E. *J Foot Ankle Res.* 2011;4:13. 2. Loeb JN. *Arthritis Rheum.* 1972;15:189-192. 3. MIT OpenCourseWare. <https://ocw.mit.edu/courses/4-401-introduction-to-building-technology-spring-2006/resources/lec2/>. Accessed June 15, 2023.

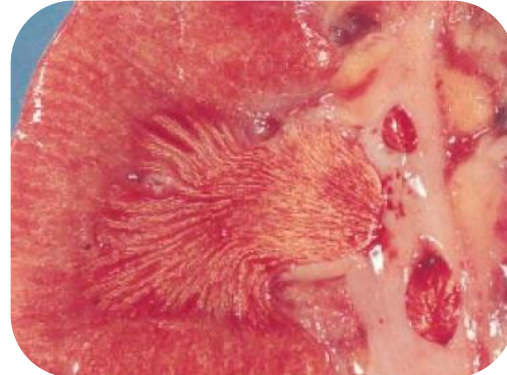
# Systemic urate deposition can accumulate nearly anywhere in the body<sup>1-5</sup>

## Heart



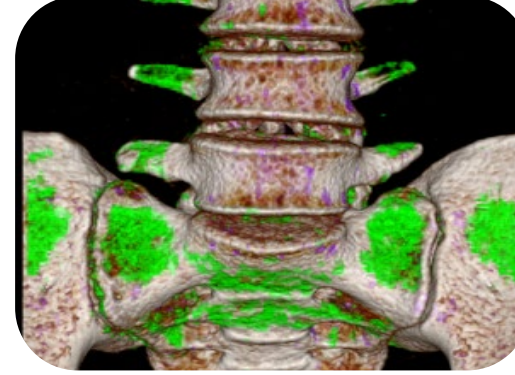
DECT: uric acid (in green) in coronary artery<sup>6</sup>

## Kidney



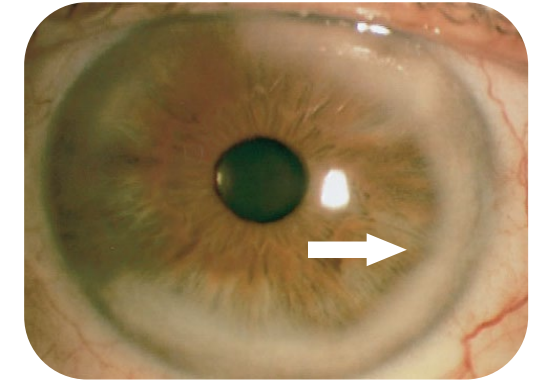
Autopsy findings: medullary urate deposits<sup>7</sup>

## Spine



DECT: MSU deposition along the transverse processes and pelvic bony structures<sup>8</sup>

## Eye



Photograph: corneal tophus deposition in gout<sup>9,10</sup>

**Urate deposition accumulates between flares and continues to progress if left unaddressed<sup>2,4,11</sup>**

Images used with permission from John Wiley and Sons, Oxford University Press, and BMJ Publishing Group Ltd.  
DECT, dual-energy computed tomography; MSU, monosodium urate.

1. Khanna P, et al. *J Clin Med*. 2020;9(10):3204. 2. Doghramji PP, Wortmann RL. *Postgrad Med*. 2012;124(6):98-109. 3. Spieker LE. *Eur J Heart Fail*. 2002;4:403-410. 4. Edwards NL. In: Klippel JH, et al, eds. *Primer on the Rheumatic Diseases*. 13th ed. Springer; 2008:241-249. 5. Park JJ, et al. *BMJ Open*. 2014;4:e005308. 6. Barazani SH, et al. *World J Radiol*. 2020;12(8):184-194. 7. Nickeleit V, Mihatsch MJ. *Nephrol Dial Transplant*. 1997;12:1832-1838. 8. Logee K, et al. *Arthritis Rheumatol*. 2013;65(suppl 10):S87-S88. 9. Bernad B, et al. *Arthritis Rheum*. 2006;54(3):1025. 10. Sharon Y, Schlesinger N. *Curr Rheumatol Rep*. 2016;18:37. 11. Stamp LK, et al. *Nat Rev Rheumatol*. 2021;17(10):633-641.

# Up to 75% of urate burden may not be detected upon physical examination<sup>1</sup>

- Dual-energy computed tomography (DECT) is an imaging modality that highlights uric acid deposition (green) and calcium (purple)<sup>2</sup>
- Imaging studies show that the majority of patients with gout have nonvisible tophi<sup>1,3,4</sup>



Images courtesy of Dr. Jurgen Rech. Images from the same patient. Individual patient presentations may vary.



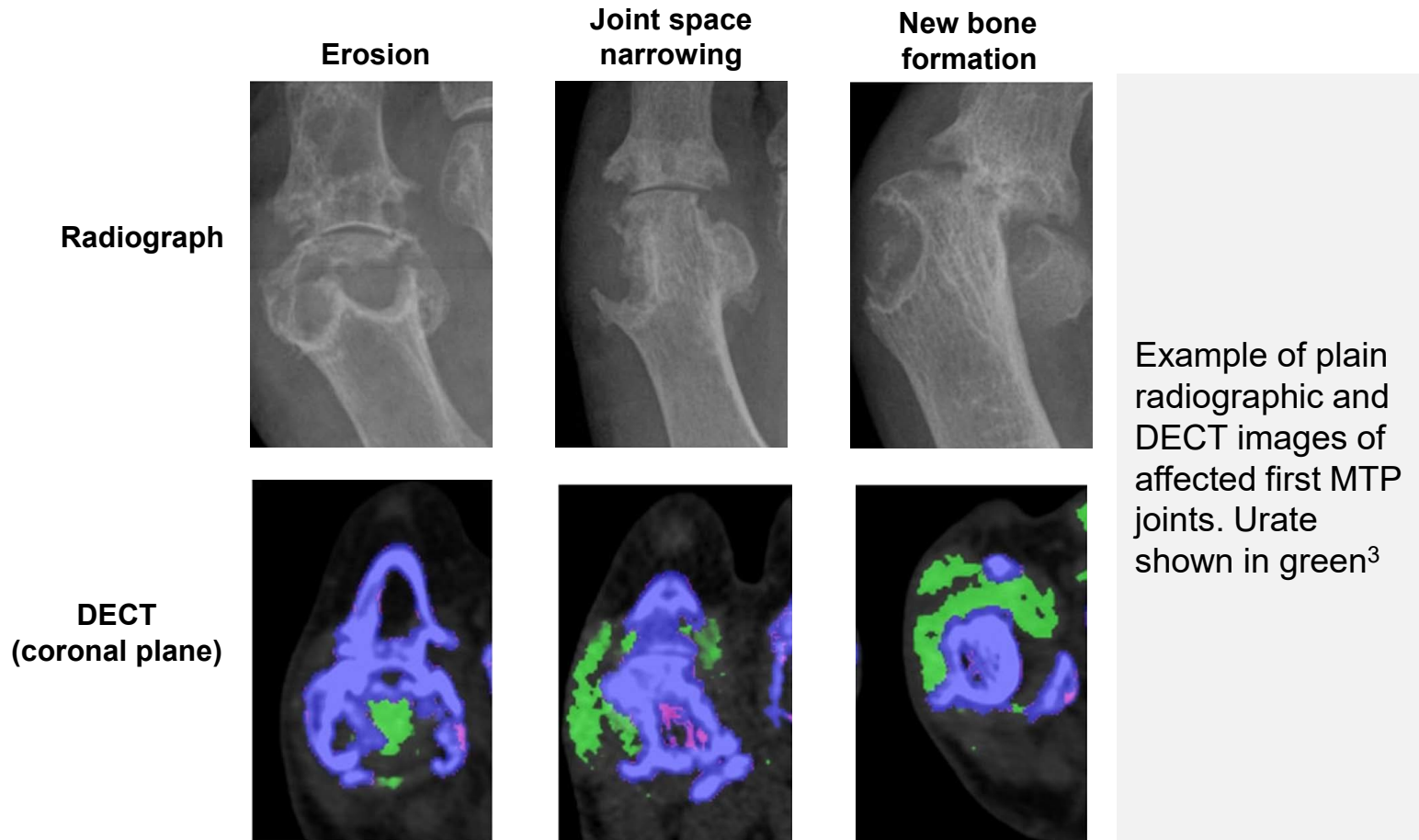
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Images courtesy of Dr. Jurgen Rech. Images from the same patient. Individual patient presentations may vary.

# Unresolved urate deposition can lead to bone erosions<sup>1,2</sup>



**Gout flares are self-resolving, allowing tophus formation and bone erosion to occur, even in the absence of pain<sup>1,2</sup>**

Image used with permission from Dalbeth N, et al. *Ann Rheum Dis*. 2015;74:1030-1036.

MTP, metatarsophalangeal.

1. Schett G, et al. *RMD Open*. 2015;1(suppl 1):e000046. 2. McQueen FM, et al. *Nat Rev Rheumatol*. 2012;8:173-181. 3. Dalbeth N, et al. *Ann Rheum Dis*. 2015;74:1030-1036.



# Management of uncontrolled gout requires both symptomatic and urate-lowering treatment



## FLARE MANAGEMENT<sup>1,2</sup>

### Symptom Management

**NSAIDs**  
(eg, ibuprofen)

**Colchicine**

**Steroids**



## URATE-LOWERING TREATMENT<sup>1,2</sup>

### Disease Management

**XOIs**  
(allopurinol,  
febuxostat)

**Uricosurics**  
(eg, probenecid)

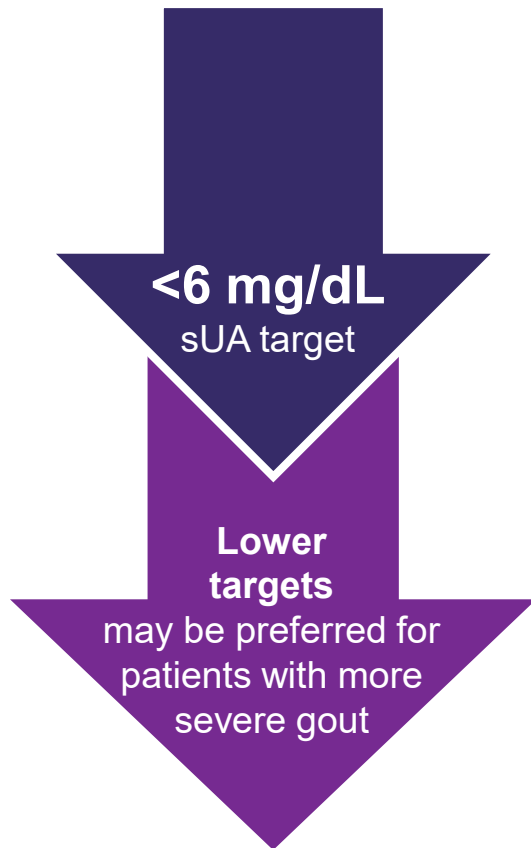
**Uricase**  
(pegloticase)

NSAID, non-steroidal anti-inflammatory drug; XOI, xanthine oxidase inhibitor.

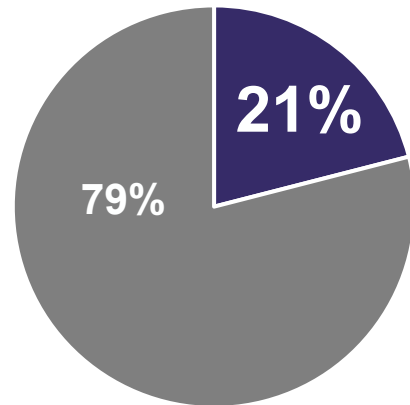
1. Pillinger MH, Mandell BF. *Semin Arthritis Rheum.* 2020;50(3 suppl):S24-S30. 2. Coburn BW, Mikuls TR. *Fed Pract.* 2016;33(1):35-40.

# ACR guidelines recommend a treat-to-target approach of sUA levels <6 mg/dL<sup>1</sup>

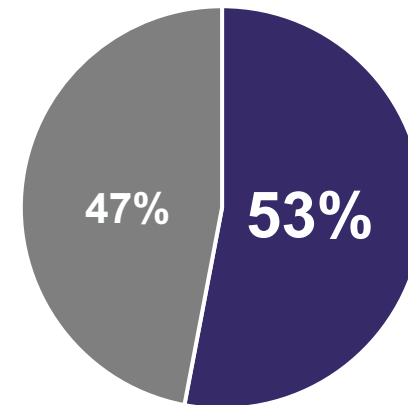
## Percentage of patients who reached sUA level <6 mg/dL in a 52-week head-to-head trial<sup>2\*</sup>



Allopurinol 300 mg/day (n=251)



Febuxostat 80 mg/day<sup>†</sup> (n=255)



Commonly prescribed doses are often insufficient for achieving an sUA level <6 mg/dL<sup>2,3</sup>

Oral ULTs may have a threshold effect, and side effects can increase with higher doses<sup>2,4</sup>

For patients with uncontrolled gout, guidelines recommend measuring sUA every 2 to 5 weeks<sup>5‡</sup>

\*The primary efficacy endpoint was an sUA level of <6 mg/dL at each of the last 3 monthly measurements.<sup>2</sup>

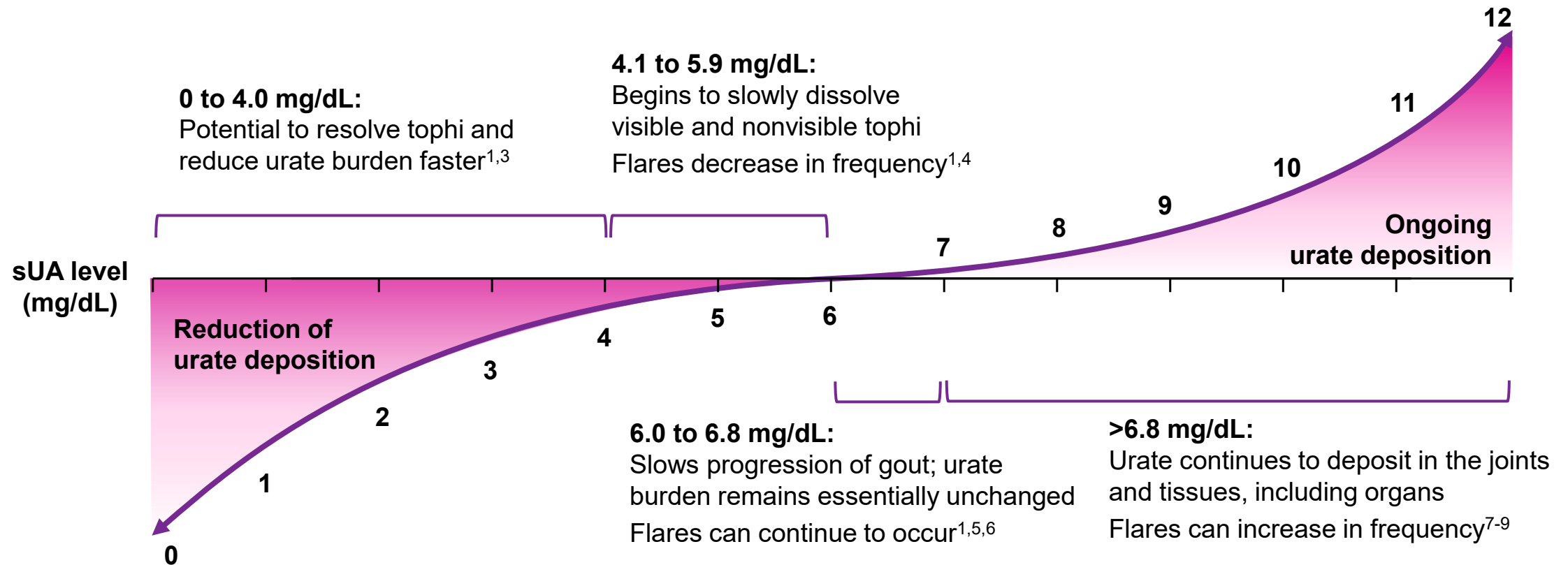
<sup>†</sup>Black box warning for cardiovascular death and all-cause mortality for Uloric (febuxostat) [February 2019].<sup>6,7</sup>

<sup>‡</sup>Once controlled, guidelines recommend measuring sUA every 6 months.<sup>5</sup>

ACR, American College of Rheumatology.

1. FitzGerald JD, et al. *Arthritis Care Res (Hoboken)*. 2020;72:744-760. 2. Becker MA, et al. *N Engl J Med*. 2005;353:2450-2461. 3. Singh JA, et al. *Arthritis Res Ther*. 2015;17(1):120. 4. Jordan A, Gresser U. *Pharmaceuticals*. 2018;11(2):51. 5. Khanna D, et al. *Arthritis Care Res (Hoboken)*. 2012;64(10):1431-1446. 6. U.S. Food and Drug Administration. <https://www.fda.gov/drugs/fda-drug-safety-podcasts/fda-adds-boxed-warning-increased-risk-death-gout-medicine-uloric-febuxostat>. January 11, 2022. Accessed May 8, 2023. 7. White WB, et al. *N Engl J Med*. 2018;378:1200-1210.

# Dissolution of tophi occurs 97% faster at $\leq 4$ mg/dL than at sUA levels 5.1-6.0 mg/dL<sup>1,2</sup>



**Other factors that affect urate crystal deposition are cation concentration, temperature, intra-articular dehydration, pH, and trauma<sup>10,11</sup>**

1. Perez-Ruiz F. *Rheumatology (Oxford)*. 2009;48(suppl 2):ii9-ii14. 2. Perez-Ruiz F, et al. *Arthritis Rheum*. 2002;47:610-613. 3. Araujo EG, et al. *RMD Open*. 2015;1(1):e000075. 4. Shoji A, et al. *Arthritis Rheum*. 2004;51(3):321-325. 5. Khanna D, et al. *Arthritis Care Res (Hoboken)*. 2012;64(10):1431-1446. 6. Schumacher HR Jr. *Arthritis Rheum*. 2008;59(11):1540-1548. 7. Maiuolo J, et al. *Int J Cardiol*. 2016;213:8-14. 8. Doghramji PP, Wortmann RL. *Postgrad Med*. 2012;124(6):98-109. 9. Vargas-Santos AB, Neogi T. *Am J Kidney Dis*. 2017;70(3):422-439. 10. Chhana A, et al. *BMC Musculoskelet Disord*. 2015;16:296. 11. Abhishek A, et al. *PLoS One*. 2017;12(10):e0186096.

# Tophus resolution may require years of oral therapy<sup>1</sup>

A visible tophus the size of a **small marble** may take **more than 2 years** to resolve with an sUA level of 5.4 mg/dL<sup>1\*</sup>

The lower the uric acid level, the faster the rate of tophus reduction<sup>2</sup>

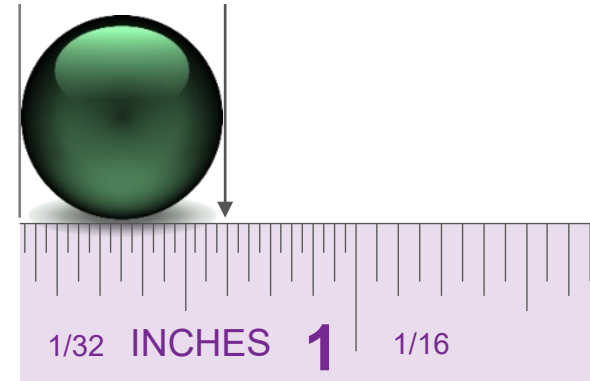


Image used with permission from Roddy E, et al. *BMJ*. 2013;347:f5648.

\*According to a long-term follow-up of patients receiving a mean daily dose of 320 mg of allopurinol.<sup>1</sup>

1. Perez-Ruiz F, et al. *Arthritis Rheum*. 2002;47(4):356-360. 2. Perez-Ruiz F. *Rheumatology (Oxford)*. 2009;48(suppl 2):ii9-ii14.

# Tophus surgery does not address systemic urate burden

- Tophus surgery is associated with a high rate of complications, such as infections and poor wound healing<sup>1,2</sup>
- Surgery should be considered in cases where a tophus is causing urgent or functional complications<sup>1</sup>
  - Ulceration
  - Joint instability
  - Skin ulceration<sup>1,3</sup>
  - Recurrent infection<sup>1,3,4</sup>
  - Nerve compression
  - Motion restriction

“There is no clear ‘metabolic indication’ for the surgical removal of tophi as the mechanical removal of tophus does not appreciably decrease total body urate burden”<sup>1</sup>



Photo courtesy of Chief Ilizarov Surgical Instructor at Doctors Hospital of West Covina, CA.

**Delayed wound healing occurred in 53% of patients undergoing tophectomies<sup>1</sup>**



## Contributing factors to underdiagnosis and undertreatment

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**KRYSTEXXA**<sup>®</sup>  
pegloticase

# Factors that may lead to uncontrolled gout

## GOUT STIGMA<sup>1-3</sup>

Despite genetics playing a role in its pathogenesis, **gout is often viewed as a lifestyle disease**

## LOW PRIORITY<sup>5-7</sup>

Patients and providers often **fail to communicate about gout symptoms, deprioritizing gout treatment** in favor of addressing other health issues



## LOW ADHERENCE<sup>4</sup>

**Adherence** to prescribed ULT is **among the lowest of all chronic conditions**

## INADEQUATE REFERRAL NETWORK<sup>8</sup>

Patients are **not being referred to a specialist in a timely manner**

1. Kawamura Y, et al. *Ann Rheum Dis*. 2019;78(10):1430-1437. 2. Rai SK, et al. *Rheumatology (Oxford)*. 2018;57(7):1282-1292. 3. Edwards NL, et al. Presented at: 2021 ACR Virtual Meeting; November 3-10, 2021.  
4. Perez-Ruiz F, Desideri G. *Ther Clin Risk Manag*. 2018;14:793-802. 5. Singh JA, Edwards NL. *J Clin Rheumatol*. 2020;26(4):129-133. 6. Kong DCH, et al. *BMJ Open*. 2019;9:e033726. 7. Keenan RT. *Clin Ther*. 2017;39(2):430-441.  
8. Edwards N, et al. *ACR Open Rheumatol*. 2020;2(3):180-187.



# Gout may not be managed by diet alone<sup>1</sup>

Two major factors contribute to uric acid buildup and crystallization<sup>2,3</sup>



## Genetics

Gout runs in the family



## Kidney damage

Impaired uric acid elimination

Additional contributing factors include<sup>2,4-6</sup>:

- Diet and lifestyle
- Age
- Comorbidities
- Metabolism

**Diet is not a substitute for treatment, as dietary restrictions may reduce urate levels by only ~1 mg/dL<sup>1,6,7</sup>**



# Meet Bet: A real patient

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## Medical History

- 43 years old, married with 2 children
- Lived with gout for almost 20 years
- Stopped working due to physical limitations from gout
- sUA 14.3 mg/dL



**What would you do next  
for Bet?**



## KRYSTEXXA:

An effective treatment with a proven safety profile that can rapidly reduce urate burden

### SELECT IMPORTANT SAFETY INFORMATION

Anaphylaxis and infusion reactions have been reported to occur during and after administration of KRYSTEXXA. Anaphylaxis may occur with any infusion, including a first infusion, and generally manifests within 2 hours of the infusion. Delayed hypersensitivity reactions have also been reported. KRYSTEXXA should be administered in healthcare settings and by healthcare providers prepared to manage anaphylaxis and infusion reactions. Premedicate with antihistamines and corticosteroids and closely monitor for anaphylaxis for an appropriate period after administration of KRYSTEXXA. Monitor serum uric acid levels prior to each infusion and discontinue treatment if levels increase to above 6 mg/dL, particularly when 2 consecutive levels above 6 mg/dL are observed. Screen patients at risk for glucose-6-phosphate dehydrogenase (G6PD) deficiency prior to starting KRYSTEXXA. Hemolysis and methemoglobinemia have been reported with KRYSTEXXA in patients with G6PD deficiency. KRYSTEXXA is contraindicated in patients with G6PD deficiency.

Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.

**KRYSTEXXA**  
pegloticase

# KRYSTEXXA is the first and only approved biologic for uncontrolled gout<sup>1</sup>

ACR guidelines **strongly recommend** pegloticase for patients who<sup>2</sup>:

Fail to reach sUA target on oral therapies\*



**AND  
HAVE**

2 or more flares per year



**OR**

Nonresolving tophi



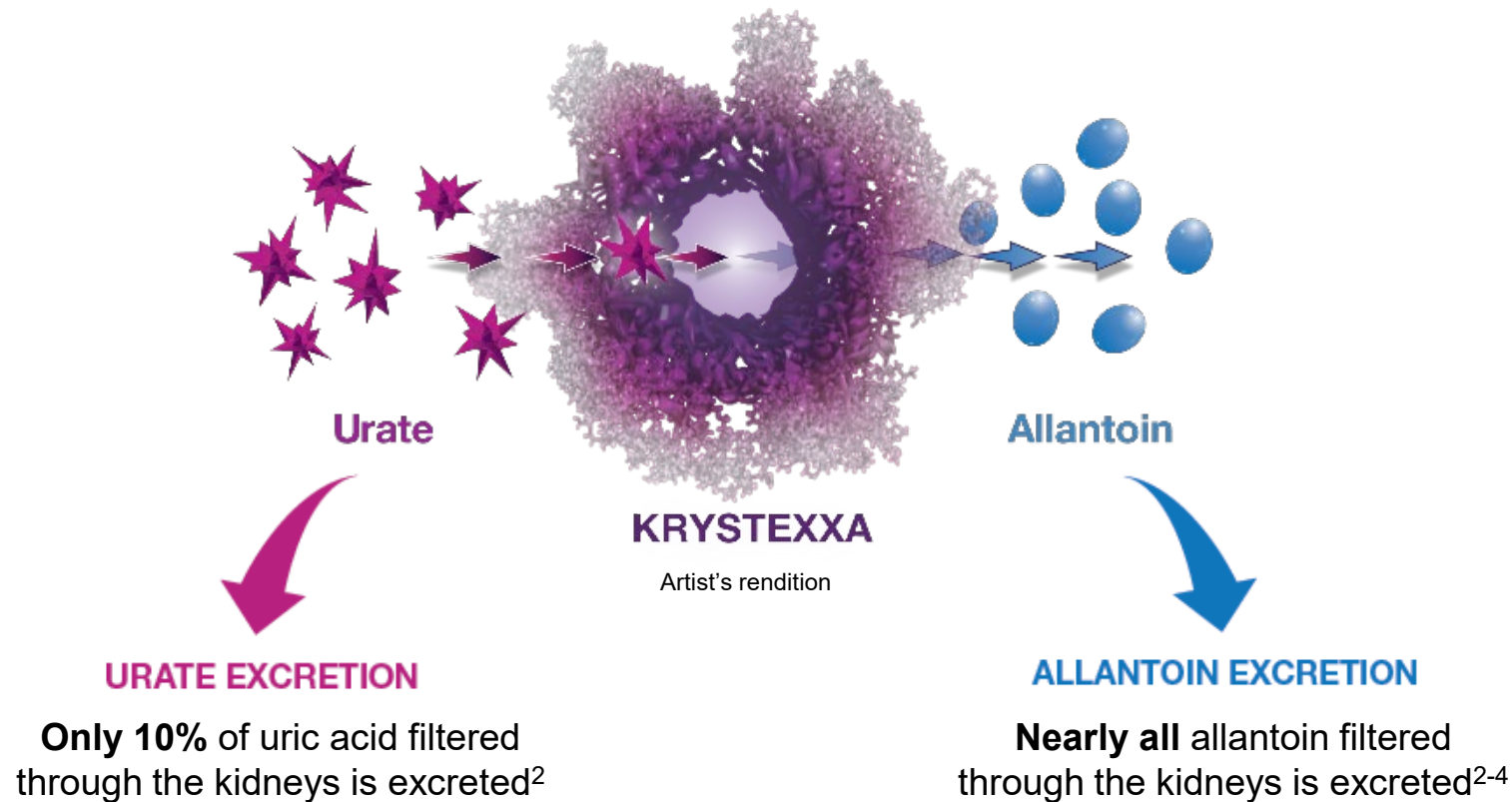
\*On medically maximum doses.<sup>2</sup>

1. KRYSTEXXA (pegloticase) [prescribing information] Horizon. 2. FitzGerald JD, et al. *Arthritis Care Res (Hoboken)*. 2020;72(6):744-760.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

**KRYSTEXXA**  
pegloticase

# Mechanism of action: An infused biologic that converts urate into allantoin<sup>1</sup>



1. KRYSTEXXA (pegloticase) [prescribing information] Horizon. 2. Terkeltaub R, et al. *Arthritis Res Ther.* 2006;8(suppl 1):S4. 3. McDonagh EM, et al. *Pharmacogenet Genomics.* 2014;24(9):464-476. 4. Caussé E, et al. *Clin Nephrol.* 2010;73(1):51-57.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

# KRYSTEXXA can change the course of uncontrolled gout by dissolving years of systemic urate deposition<sup>1-4</sup>

## PRIMARY ENDPOINT

At 6 months, **71%** (71/100) in the KRYSTEXXA with methotrexate group and **39%** (20/52) in the KRYSTEXXA alone group achieved and maintained an sUA level <6 mg/dL for at least 80% of the time

**Best results with KRYSTEXXA were seen at 6-12 months**

**Optimal treatment duration has not been established.**

## SELECT IMPORTANT SAFETY INFORMATION

KRYSTEXXA is contraindicated in patients with G6PD deficiency, and patients with history of serious hypersensitivity reactions, including anaphylaxis, to KRYSTEXXA or any of its components.

Images are from the same patient in MIRROR RCT.

G6PD, glucose-6-phosphate dehydrogenase; RCT, randomized controlled trial.

1. Sundy JS, et al. *JAMA*. 2011;306:711-720. 2. Schlesinger N, et al. *Arthritis Rheumatol*. 2017;69(suppl 10):1-4426. 3. KRYSTEXXA (pegloticase) [prescribing information] Horizon. 4. Data on File. Horizon, June 2023.

**Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

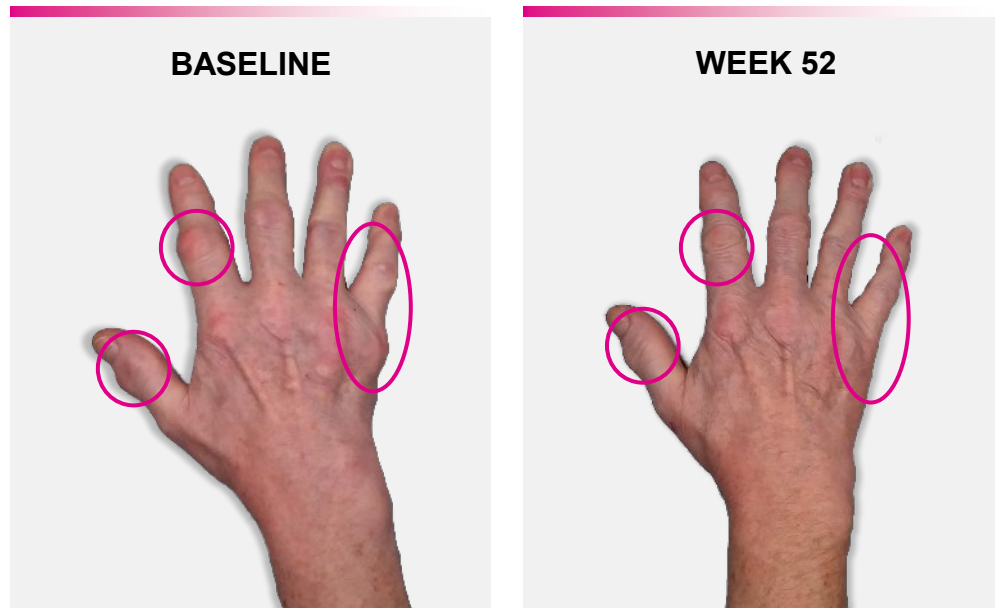


Individual results may vary.

**KRYSTEXXA**  
pegloticase

# Co-administration of KRYSTEXXA with methotrexate showed significant improvement in complete tophi resolution<sup>1,2\*</sup>

Images are from the same patient<sup>3</sup>



Individual presentation and results may vary.

## SECONDARY ENDPOINT

### COMPLETE TOPHI RESOLUTION<sup>1†</sup>

Defined as 100% resolution of at least 1 target tophus, no new tophi appearing, and no single tophus showing progression

**54%** (28/52) in the KRYSTEXXA with methotrexate group and **31%** (9/29) in the KRYSTEXXA alone group achieved a response at **Month 12**<sup>1</sup>

## SELECT IMPORTANT SAFETY INFORMATION

**Congestive Heart Failure:** KRYSTEXXA has not been formally studied in patients with congestive heart failure, but some patients in the pre-marketing placebo-controlled clinical trials experienced exacerbation. Exercise caution in patients who have congestive heart failure and monitor patients closely following infusion.

\*Significant Cochran-Mantel-Haenszel treatment response difference (95% CI).  $P \leq 0.048$ .<sup>2</sup>

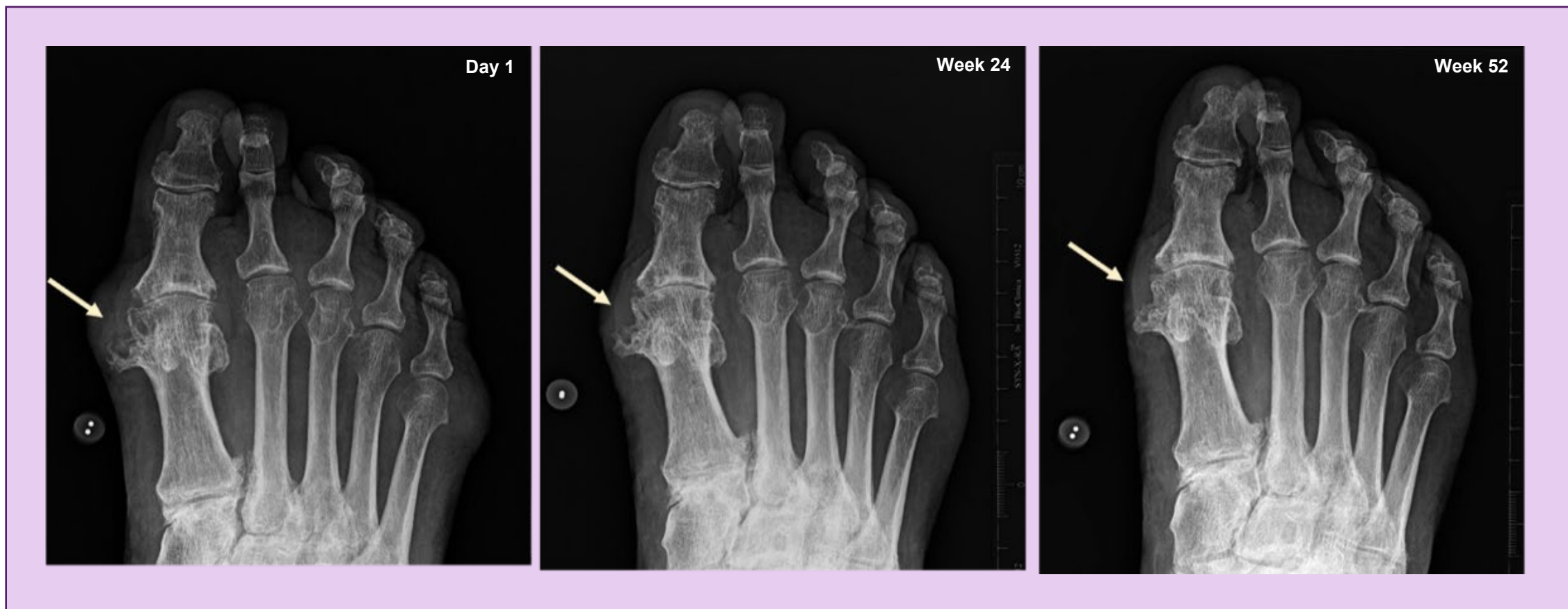
<sup>†</sup>Approximately 53.3% (81/152) of patients had tophi at baseline (Week -6) that were confirmed by digital photography.<sup>1</sup>

1. KRYSTEXXA (pegloticase) [prescribing information] Horizon. 2. Botson JK, et al. Presented at: American College of Rheumatology Convergence; November 10-14, 2022. 3. Data on File. Horizon, June 2023.

Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.



# MSU depletion and bone erosion remodeling occurred over 52 weeks\*



Images used with permission from Dalbeth N, et al. *Ann Rheum Dis.* 2023;82(Suppl 1):519-520.

\*In a subset of patients (n=8) in MIRROR RCT, bone remodeling was examined via imaging. Bone remodeling was evident in 88% of patients at 52 weeks. It is possible that sUA lowering with intensive urate lowering led to the DECT changes, although further study is needed.

Dalbeth N, et al. *Ann Rheum Dis.* 2023;82(Suppl 1):519-520.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

# IMPORTANT SAFETY INFORMATION

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## **WARNING: ANAPHYLAXIS AND INFUSION REACTIONS, G6PD DEFICIENCY ASSOCIATED HEMOLYSIS AND METHEMOGLOBINEMIA**

- **Anaphylaxis and infusion reactions have been reported to occur during and after administration of KRYSTEXXA.**
- **Anaphylaxis may occur with any infusion, including a first infusion, and generally manifests within 2 hours of the infusion. Delayed hypersensitivity reactions have also been reported.**
- **KRYSTEXXA should be administered in healthcare settings and by healthcare providers prepared to manage anaphylaxis and infusion reactions.**
- **Premedicate with antihistamines and corticosteroids and closely monitor for anaphylaxis for an appropriate period after administration of KRYSTEXXA.**
- **Monitor serum uric acid levels prior to each infusion and discontinue treatment if levels increase to above 6 mg/dL, particularly when 2 consecutive levels above 6 mg/dL are observed.**
- **Screen patients at risk for glucose-6-phosphate dehydrogenase (G6PD) deficiency prior to starting KRYSTEXXA. Hemolysis and methemoglobinemia have been reported with KRYSTEXXA in patients with G6PD deficiency. KRYSTEXXA is contraindicated in patients with G6PD deficiency.**

## **CONTRAINDICATIONS:**

- In patients with G6PD deficiency.
- In patients with history of serious hypersensitivity reactions, including anaphylaxis, to KRYSTEXXA or any of its components.

KRYSTEXXA (pegloticase) [prescribing information] Horizon.

**Please see Full Prescribing Information, including Boxed Warning.**



# IMPORTANT SAFETY INFORMATION (CONTINUED)

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## WARNINGS AND PRECAUTIONS

**Gout Flares:** An increase in gout flares is frequently observed upon initiation of anti-hyperuricemic therapy, including KRYSTEXXA. Gout flare prophylaxis with a non-steroidal anti-inflammatory drug (NSAID) or colchicine is recommended starting at least 1 week before initiation of KRYSTEXXA therapy and lasting at least 6 months, unless medically contraindicated or not tolerated.

**Congestive Heart Failure:** KRYSTEXXA has not been formally studied in patients with congestive heart failure, but some patients in the pre-marketing placebo-controlled clinical trials experienced exacerbation. Exercise caution in patients who have congestive heart failure and monitor patients closely following infusion.

## ADVERSE REACTIONS

The most commonly reported adverse reactions ( $\geq 5\%$ ) are:

### **KRYSTEXXA co-administration with methotrexate trial:**

KRYSTEXXA with methotrexate: gout flares, arthralgia, COVID-19, nausea, and fatigue; KRYSTEXXA alone: gout flares, arthralgia, COVID-19, nausea, fatigue, infusion reaction, pain in extremity, hypertension, and vomiting.

### **KRYSTEXXA pre-marketing placebo-controlled trials:**

gout flares, infusion reactions, nausea, contusion or ecchymosis, nasopharyngitis, constipation, chest pain, anaphylaxis, and vomiting.

# Meet Bet: A real transformation

## Before KRYSTEXXA

- 43 years old, married with 2 children
- Lived with gout for almost 20 years
- Stopped working due to physical limitations from gout

## Currently on KRYSTEXXA with methotrexate

- Bet's sUA level has remained <1 mg/dL since starting KRYSTEXXA
- After a few infusions, Bet's tophi started going away\*



## Looking forward to the future

*"I wish I had started KRYSTEXXA sooner. Now, I go out and do things and not just want to stay home. I'm definitely in a better place now"*



April 2019

**Before KRYSTEXXA:**  
sUA 14.3 mg/dL



September 2021

**Currently on KRYSTEXXA with methotrexate:**  
sUA <1 mg/dL

Individual results may vary.

**KRYSTEXXA with methotrexate can help patients like Bet regain control of their gout**

## SELECT IMPORTANT SAFETY INFORMATION

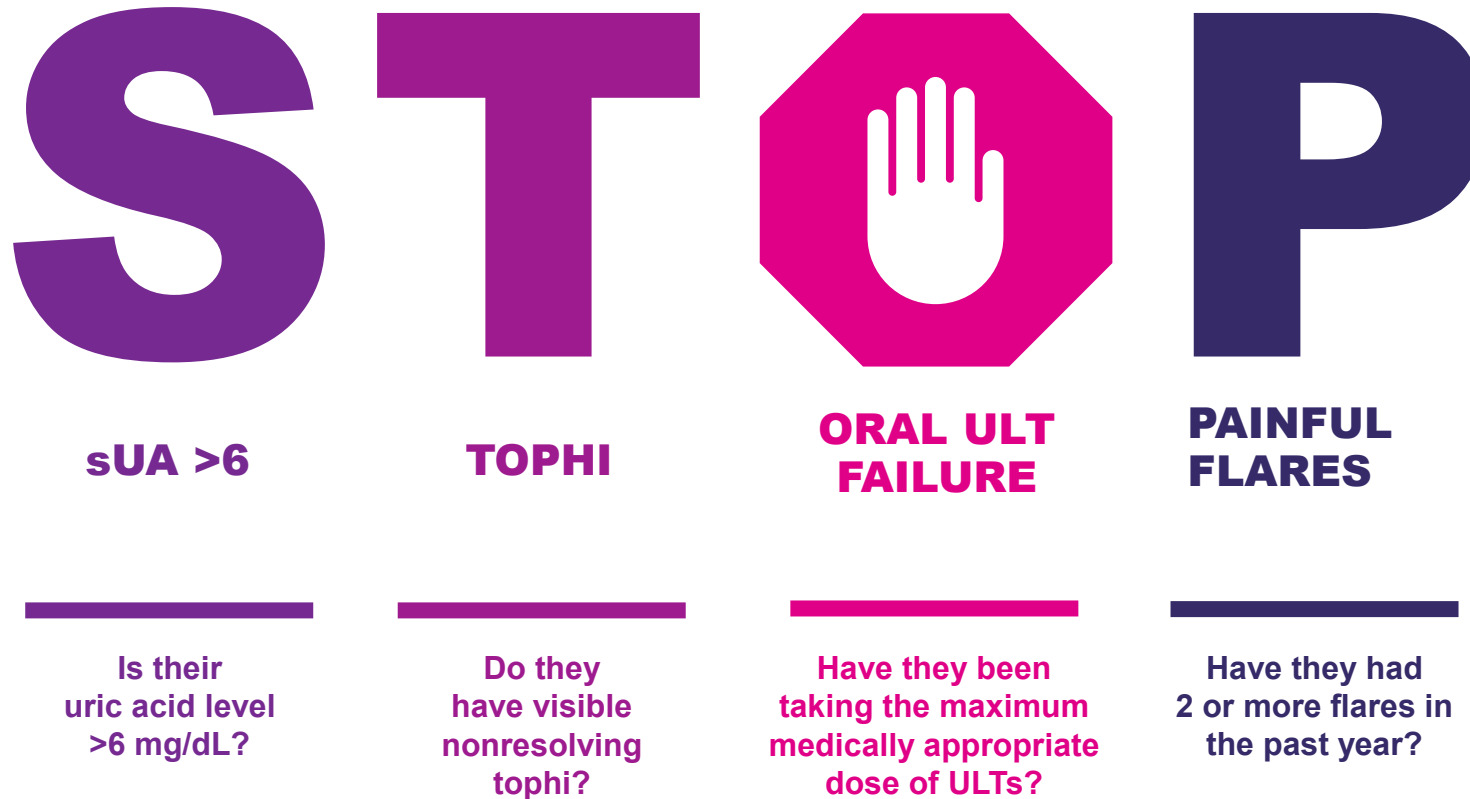
The most commonly reported adverse reactions ( $\geq 5\%$ ) are: **KRYSTEXXA co-administration with methotrexate trial:** KRYSTEXXA with methotrexate: gout flares, arthralgia, COVID-19, nausea, and fatigue; KRYSTEXXA alone: gout flares, arthralgia, COVID-19, nausea, fatigue, infusion reaction, pain in extremity, hypertension, and vomiting. **KRYSTEXXA pre-marketing placebo-controlled trials:** gout flares, infusion reactions, nausea, contusion or ecchymosis, nasopharyngitis, constipation, chest pain, anaphylaxis, and vomiting.

\*Best results with KRYSTEXXA are seen at 6-12 months.  
Data on File. Horizon, June 2023.

**Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

**KRYSTEXXA**  
pegloticase

Evaluate your patients using STOP; if their gout is uncontrolled, it's time for KRYSTEXXA



Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.

# Promptly refer to a specialist for further evaluation and treatment

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**Change the course of the disease through prompt identification and referral<sup>1-3</sup>**

**Find a gout specialist at  
[KRYSTEXXAhcp.com](http://KRYSTEXXAhcp.com)**

**Contact your local Horizon representative**

1. Gout & Uric Acid Education Society. <http://gouteducation.org/wp-content/uploads/2014/11/2014-GUAES-Roundtable-Consensus-Paper-Final-Web.pdf>. Accessed May 20, 2022.

2. Lansdowne N, et al. *J Foot Ankle Res*. 2015;8:1-7. 3. Edwards NL, et al. *ACR Open Rheumatol*. 2020;2(3):180-187.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

# Thank you!

For further questions and additional information, please reach out to your Horizon representative.  
[email; contact number]



For more information, use your smartphone to scan the QR code and link to the HCP website

## Questions?

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**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

**KRYSTEXXA**<sup>®</sup>  
*pegloticase*



Supplemental slides

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## The foot is a primary site of attack in gout

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- The first MTP joint in the foot is the initial site of attack in >50% of patients with gout and is affected during the course of gout in up to 90% of patients<sup>1</sup>
- Crystal deposition is associated with muscle atrophy in the foot<sup>2</sup>
- Patients commonly report pain in the first MTP joint, even in intercritical periods<sup>3</sup>



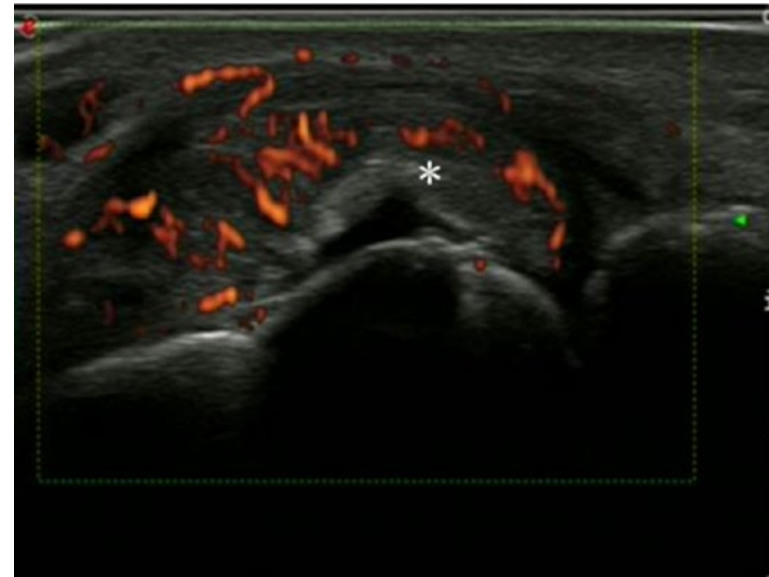
Image used with permissions from Kumar RR, et al. *J Clin Rheumatol*. 2020;26(7):e217-e218.

# Ultrasonographic detection of double contour sign helps diagnose gout

Ultrasound of Double Contour Sign<sup>1</sup>



Ultrasound of Tophi<sup>1</sup>



- Ultrasonography may serve as an important tool in management of gout<sup>2</sup>
  - Is one of several strategies used to detect gout, including MRI, CT, and X-ray<sup>1</sup>
- Ultrasonographic markers of gout include:<sup>2</sup>
  - Double contour sign, hyperechoic aggregates, and tophi

Images used with permission.

CT, computerized tomography; MRI, magnetic resonance imaging.

1. Sun C, et al. *J Orthop Surg Res.* 2019;14(1):239. 2. Bhadu D, et al. *Int J Rheum Dis.* 2018;21(2):523-531.



# Up to 75% of urate burden may not be detected upon physical examination<sup>1</sup>

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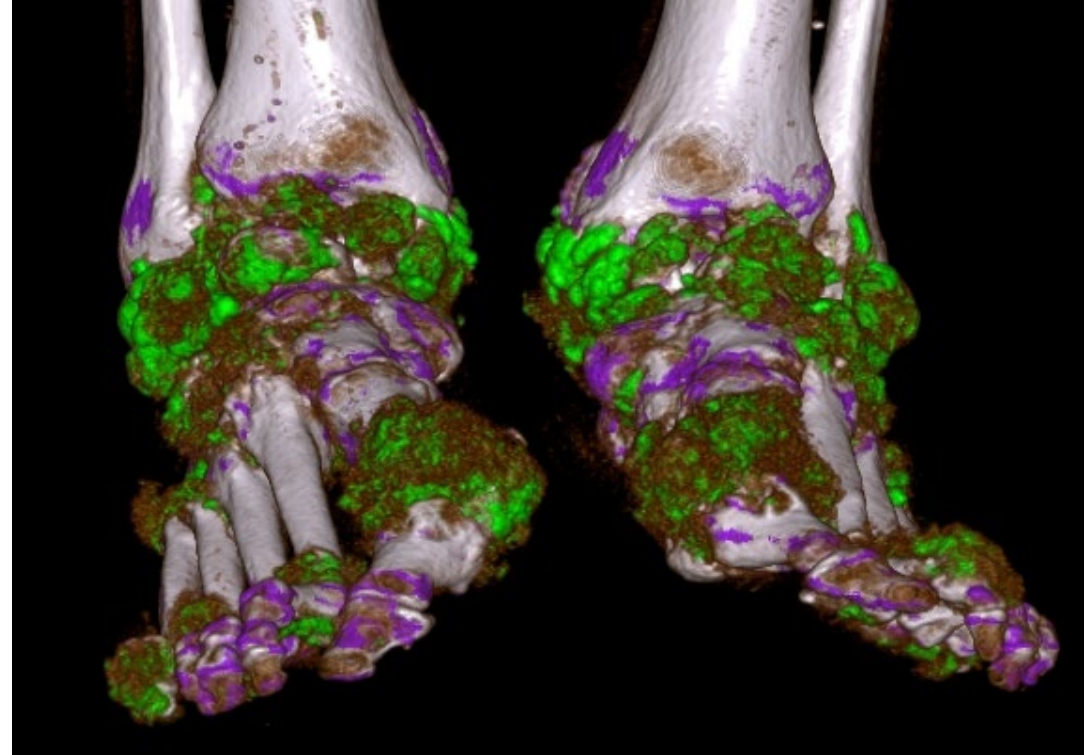
- Dual-energy computed tomography (DECT) is an imaging modality that highlights uric acid deposition (green) and calcium (purple)<sup>2</sup>
- Imaging studies show that the majority of patients with gout have nonvisible tophi<sup>1,3,4</sup>



Images are from the same patient. Individual presentation may vary.<sup>5</sup>

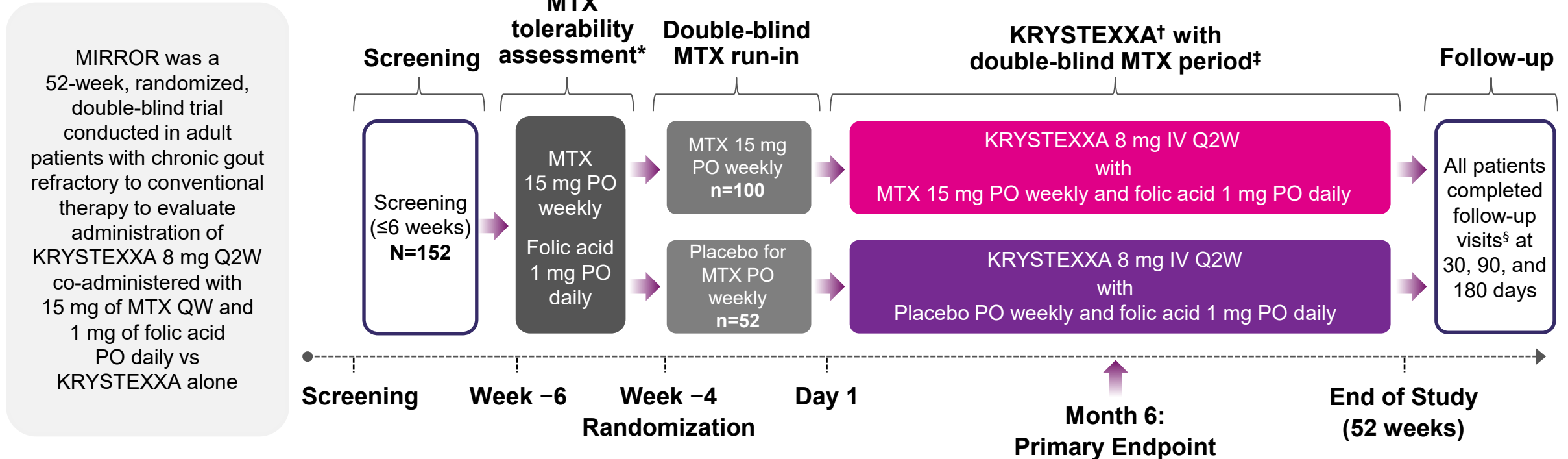
# Up to 75% of urate burden may not be detected upon physical examination<sup>1</sup>

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- Imaging studies show that the majority of patients with gout have nonvisible tophi<sup>1,3,4</sup>



Images are from the same patient. Individual presentation may vary.<sup>5</sup>

# MIRROR RCT examined co-administration of KRYSTEXXA with methotrexate<sup>1,2</sup>



\*All patients who met eligibility criteria at screening began oral MTX 15 mg weekly at the Week -6 visit. Patients also took folic acid 1 mg orally every day during this 2-week period that continued until before the Week 52 visit.

<sup>†</sup>sUA monitoring protocol was implemented: patients with sUA levels >6 mg/dL at 2 consecutive study visits beginning with the Week 2 visit were discontinued from KRYSTEXXA therapy but remained in the trial.

<sup>‡</sup>Key efficacy and safety assessments were conducted during Months 3, 6, 9, and 12.

<sup>§</sup>Noninfusion visits.

IV, intravenous; MTX, methotrexate; PO, oral; QW, once per week; Q2W, every 2 weeks.

1. KRYSTEXXA (pegloticase) [prescribing information] Horizon. 2. Data on File. Horizon, June 2023.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

# MIRROR RCT key inclusion criteria

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- Adult patients  $\geq 18$  years old with diagnosis of gout
- **Uncontrolled gout**, defined as meeting the following criteria:
  - Hyperuricemia during the screening period, defined as **sUA  $\geq 7$  mg/dL**
  - **Failure to maintain normalization of sUA with xanthine oxidase inhibitors** at the maximum medically appropriate dose, or with a contraindication to xanthine oxidase inhibitor therapy based on medical record review or patient interview, AND
  - **Symptoms of gout**, including **at least 1** of the following:
    - Presence of at least 1 tophus
    - Recurrent flares, defined as 2 or more flares in the past 12 months prior to screening
    - Presence of chronic gouty arthritis
- Able to tolerate MTX 15 mg orally for 2 weeks prior to randomization
  - After randomization, clinicians had the ability to dose adjust MTX but chose not to

Data on File. Horizon, June 2023.

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# MIRROR RCT exclusion criteria

- Any serious bacterial infection
- Current or chronic treatment with systemic immunosuppressive agents
- History of any transplant surgery
- **G6PD deficiency**
- **Chronic renal impairment, defined as eGFR <40 mL/min/1.73 m<sup>2</sup> or currently on dialysis**
- Congestive heart failure, uncontrolled arrhythmia, treatment for acute coronary syndrome, uncontrolled blood pressure, history of malignancy, or osteomyelitis
- **Known history of hepatitis B, hepatitis C, or HIV positivity**
- Pregnant, planning to become pregnant, breastfeeding, planning to impregnate female partner
- **Prior treatment with KRYSTEXXA, another recombinant uricase (rasburicase), or concomitant therapy with a polyethylene glycol (PEG)–conjugated drug**
- Known allergy to PEGylated products, recombinant protein, or porcine product
- Contraindication to MTX treatment or known intolerance to MTX
- Receipt of an investigational drug prior to MTX administration
- **Chronic liver disease, liver transaminase levels (AST or ALT) greater than ULN, or albumin lower than of LLN**
- White blood cell count <4,000/μL, hematocrit <32%, or platelet count <75,000/μL
- Current pulmonary fibrosis, bronchiectasis, or interstitial pneumonitis

ALT, alanine aminotransferase; AST, aspartate aminotransferase; eGFR, estimated glomerular filtration rate; HIV, human immunodeficiency virus; LLN, lower limit of normal; ULN, upper limit of normal. Study of KRYSTEXXA® (pegloticase) plus methotrexate in participants with uncontrolled gout (MIRROR RCT). <https://clinicaltrials.gov/ct2/show/study/NCT03994731>. Accessed June 15, 2023.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

# Patient baseline demographics and characteristics were similar between groups

Patient characteristics*	KRYSTEXXA with MTX (n=100)	KRYSTEXXA alone (n=52)
Age, mean (SD), years	55.6 (12.7)	53.0 (12.1)
Male sex, n (%)	91 (91.0%)	44 (84.6%)
BMI, mean (SD), kg/m <sup>2</sup>	32.7 (5.6)	32.7 (7.8)
sUA, mean (SD), mg/dL	8.7 (1.6)	9.1 (1.7)
Time since first gout diagnosis, mean (SD), years	13.7 (10.6)	14.3 (10.8)
Number of flares in 12 months prior to baseline, mean (SD)	10.6 (12.9)	11.3 (16.7)
Presence of tophi, yes, n (%)	52 (52.0%)	29 (55.8%)
Stage 3 CKD, n (%) <sup>†</sup>	33 (33.0%)	16 (30.8%)

\*ITT population.

<sup>†</sup>Defined as eGFR >40 and <60 mL/min/1.73 m<sup>2</sup>.

BMI, body mass index; ITT, intent-to-treat; SD, standard deviation.

Data on File. Horizon, June 2023.

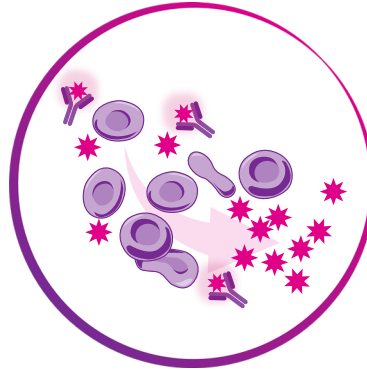
**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**



# Antidrug antibody development can be common with biologic therapies and lead to a loss of response<sup>1-4</sup>



ADAs can lead to an **increased risk of infusion reactions and lack of response**<sup>1-4</sup>



ADAs may **accelerate clearance of biologics** from the circulation<sup>1,5</sup>



Administering an **immunomodulator** along with a biologic **can reduce the formation of ADAs** for a more predictable treatment and longer course of therapy<sup>1,2</sup>

ADA, antidrug antibody.

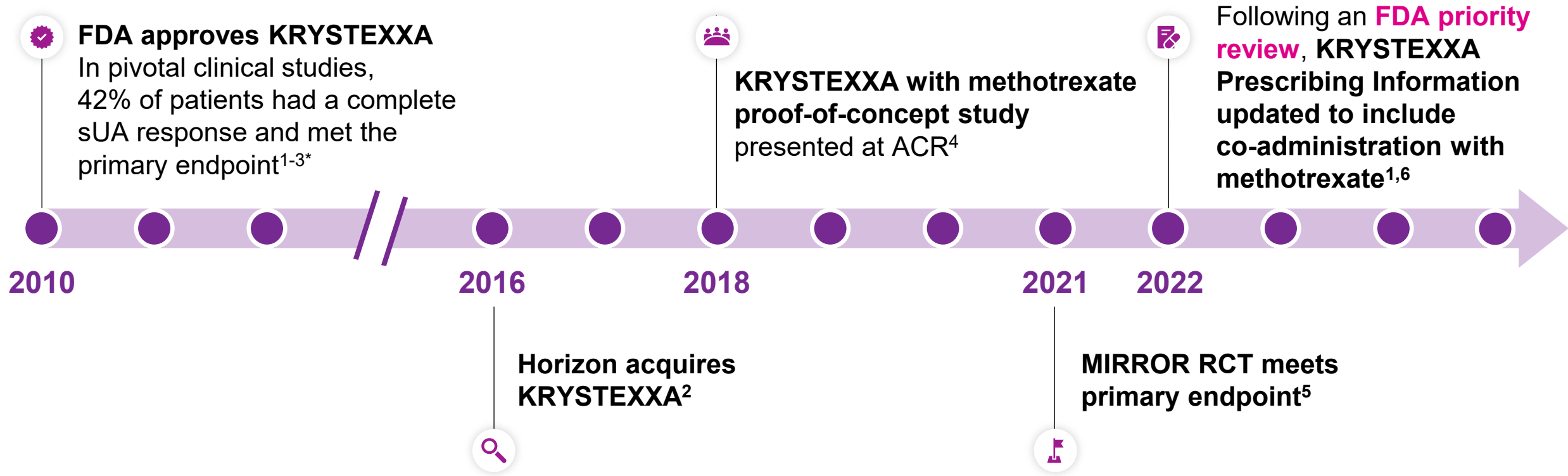
1. Sethu S, et al. *Arch Immunol Ther Exp (Warsz)*. 2012;60:331-344. 2. Strand V, et al. *BioDrugs*. 2017;31:299-316. 3. Baraf HSB, et al. *J Clin Rheumatol*. 2014;20:427-432.

4. Sundy JS, et al. *JAMA*. 2011;306:711-720. 5. KRYSTEXXA (pegloticase) [prescribing information] Horizon.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**



# After 13 years of patient experience and continuous studies, KRYSTEXXA remains the only approved treatment for uncontrolled gout



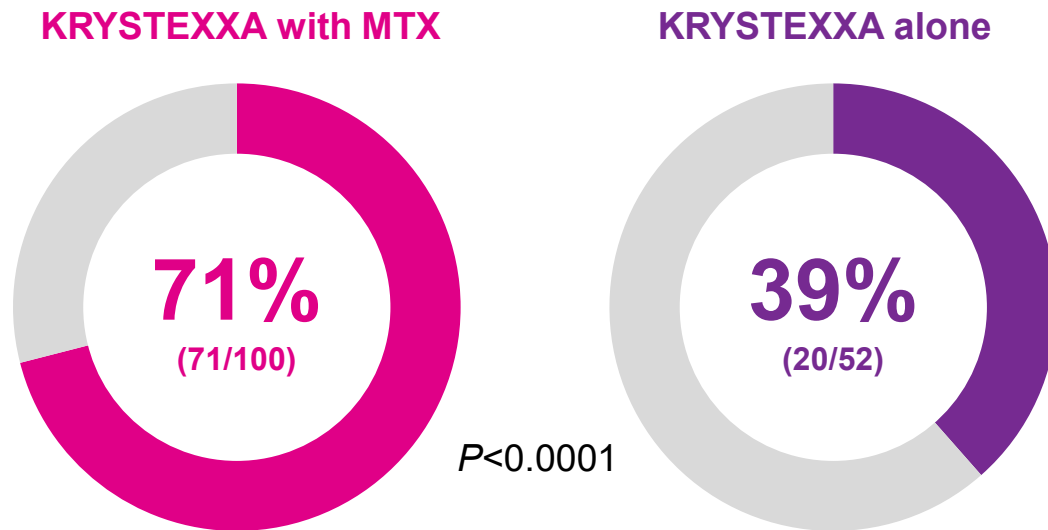
\*Primary endpoint was defined as the proportion of patients with an sUA level <6 mg/dL for ≥80% of the time in Months 3 and 6.<sup>3</sup>

FDA, U.S. Food and Drug Administration; MIRROR, Methotrexate to Increase Response Rates in Patients With Uncontrolled Gout Receiving KRYSTEXXA; RCT, randomized controlled trial.

1. KRYSTEXXA (pegloticase) [prescribing information] Horizon. 2. Horizon Therapeutics. <https://ir.horizontherapeutics.com/news-releases/news-release-details/horizon-pharma-plc-acquire-crealta-holdings-llc-all-cash>. December 11, 2015. Accessed June 12, 2023. 3. Sundy JS, et al. *JAMA*. 2011;306:711-720. 4. Botson J, Peterson J. *Arthritis Rheumatol*. 2018;70(suppl 10):1408. 5. Horizon Therapeutics. <https://ir.horizontherapeutics.com/news-releases/news-release-details/mirror-randomized-controlled-trial-meets-primary-endpoint-and>. October 25, 2021. Accessed June 15, 2023. 6. Horizon Therapeutics. <https://ir.horizontherapeutics.com/news-releases/news-release-details/horizon-therapeutics-plc-announces-fda-has-granted-priority-0>. March 7, 2022. Accessed June 15, 2023.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

# At 6 months, co-administration with methotrexate showed significant improvement in complete response



## PRIMARY ENDPOINT

### COMPLETE sUA RESPONDERS

Defined as the proportion of patients achieving and maintaining an sUA level  $<6$  mg/dL for at least 80% of the time during **Month 6**

## SELECT IMPORTANT SAFETY INFORMATION

KRYSTEXXA is contraindicated in patients with G6PD deficiency, and patients with history of serious hypersensitivity reactions, including anaphylaxis, to KRYSTEXXA or any of its components.

Number needed to treat=4.

KRYSTEXXA (pegloticase) [prescribing information] Horizon.

**Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

**KRYSTEXXA**  
pegloticase

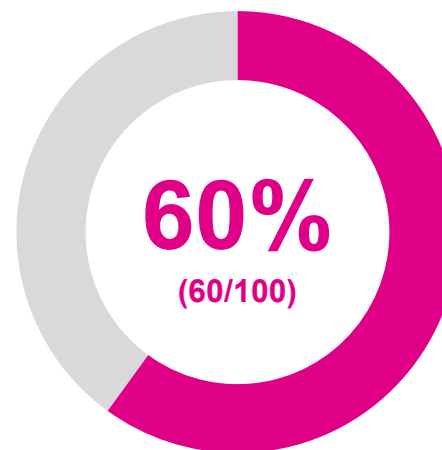
# At 12 months, co-administration with methotrexate continued to show a significant improvement in complete response

## SECONDARY ENDPOINT

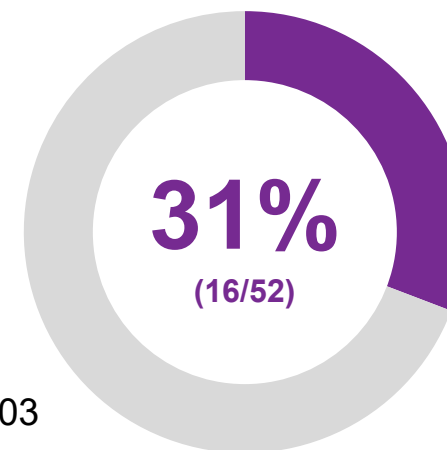
### COMPLETE sUA RESPONDERS

Defined as the proportion of patients achieving and maintaining an sUA level <6 mg/dL for at least 80% of the time during **Month 12**

KRYSTEXXA with MTX



KRYSTEXXA alone



P=0.0003

Adding MTX to KRYSTEXXA allowed patients to continue achieving therapeutic benefit from KRYSTEXXA over 12 months

## SELECT IMPORTANT SAFETY INFORMATION

The most commonly reported adverse reactions ( $\geq 5\%$ ) are: **KRYSTEXXA co-administration with methotrexate trial:** KRYSTEXXA with methotrexate: gout flares, arthralgia, COVID-19, nausea, and fatigue; KRYSTEXXA alone: gout flares, arthralgia, COVID-19, nausea, fatigue, infusion reaction, pain in extremity, hypertension, and vomiting. **KRYSTEXXA pre-marketing placebo-controlled trials:** gout flares, infusion reactions, nausea, contusion or ecchymosis, nasopharyngitis, constipation, chest pain, anaphylaxis, and vomiting.

KRYSTEXXA (pegloticase) [prescribing information] Horizon.

Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.

# KRYSTEXXA co-administered with methotrexate reduced the rate of infusion reactions to 4%<sup>1,2\*</sup>

Adverse reaction	KRYSTEXXA with MTX (n=96) n (%)	KRYSTEXXA alone (n=49) n (%)
Gout flare	64 (67%)	35 (71%)
Arthralgia	13 (14%)	5 (10%)
COVID-19	9 (9%)	3 (6%)
Nausea	5 (5%)	6 (12%)
Fatigue	5 (5%)	2 (4%)
Infusion reaction <sup>†</sup>	4 (4%)	15 (31%)
Pain in extremity	1 (1%)	3 (6%)
Hypertension	1 (1%)	3 (6%)
Vomiting	0	4 (8%)

n=number of patients in each treatment group who received at least 1 KRYSTEXXA infusion during the KRYSTEXXA with MTX period.

\*Adverse reactions occurring in ≥5% of patients.

<sup>†</sup>Included 1 case of anaphylaxis.

1. Data on File. Horizon, June 2023. 2. KRYSTEXXA (pegloticase) [prescribing information] Horizon.

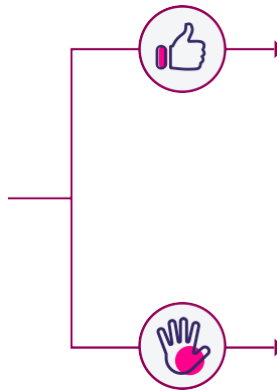
**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

# Monitoring protocol: sUA levels can help identify patients at risk for infusion reactions<sup>1,2</sup>

FOR USE AFTER  
**FIRST INFUSION**



Take a preinfusion sUA measurement, preferably within 48 hours prior to each infusion



**Continue treatment** if the preinfusion sUA level is  $\leq 6$  mg/dL

**Discontinue treatment** if levels increase to above 6 mg/dL, particularly when 2 consecutive levels above 6 mg/dL are observed

**Close monitoring of sUA levels within 48 hours prior to infusions can significantly reduce infusion reactions<sup>1,2</sup>**

1. KRYSTEXXA (pegloticase) [prescribing information] Horizon. 2. Keenan RT, et al. *Rheumatol Ther*. 2019;6(2):299-304.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

# The benefits of KRYSTEXXA are available for most patients

**99%**

of Medicare Advantage lives  
are covered after  
appropriate ULT trial

**93%**

of commercial lives  
are covered after  
appropriate ULT trial

**\$0**

**Co-pay**

Commercially insured patients  
may qualify for a \$0 co-pay for  
both the cost of medication and  
the IV infusion

**For information on coverage within your local plans,  
contact your Horizon representative**

Terms and conditions can be found at [KRYSTEXXAhcp.com](https://www.KRYSTEXXAhcp.com).  
Data on File. Horizon, June 2023.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information,  
including Boxed Warning.**

**KRYSTEXXA**  
*pegloticase*

# Horizon By Your Side: A patient support program

The dedicated members of the **Horizon By Your Side** team take a personalized approach to meet your patient's unique treatment needs. Once a patient is enrolled in the program, the team will partner with them to discuss support options and the best path forward



**OPTIONS FOR FINANCIAL ASSISTANCE\***



**PATIENT SUPPORT**



**INFUSION LOGISTICS ASSISTANCE**



**INSURANCE BENEFITS INVESTIGATION**

**Initiate your patient's enrollment in Horizon By Your Side by submitting the Patient Enrollment Form (PEF). Additional options available at [KRYSTEXXAhcp.com](http://KRYSTEXXAhcp.com)**

Your patient must complete enrollment to access our patient services and resources.  
\*For eligible patients.

**Please see Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**



# Meet James

---

## Medical History

- Seeing PCP for gout for last 15 years
- Disease has rapidly progressed
- 6 flares in the last year
- Pain in his feet
- Tophi on hands, elbows, and feet (ankle and MTP joint)
- Diabetes



Actor portrayal, not actual patient.

**What would you do next  
for James?**

# Meet James: A patient with uncontrolled gout you may see in your practice

## Medical History

- Seeing PCP for gout for last 15 years
- Disease has rapidly progressed
- 6 flares in the last year
- Pain in his feet
- Tophi on hands, elbows, and feet (ankle and MTP joint)
- Diabetes

## Patient Background

- Has uncontrolled gout
- Affected ability to present in class
- Increase in gout flares
- Self-conscious about “bumpy hands”
- Heightened flare pain\*
- Difficulty moving
- Nervous about job security; financial worry



Actor portrayal, not actual patient.

**KRYSTEXXA with methotrexate can help patients like James regain control of their gout**

## Laboratory Workup

- sUA level: 9.3 mg/dL
- G6PD: normal
- BMI: 31
- A1C: 7.3%

## Current Treatment

- Allopurinol: 300 mg QD (for past year)
- Metformin: 850 mg QD
- Linagliptin: 5 mg QD
- Colchicine: 0.6 mg QD for prophylaxis
- Naproxen: 500 mg BID

## SELECT IMPORTANT SAFETY INFORMATION

The most commonly reported adverse reactions ( $\geq 5\%$ ) are: **KRYSTEXXA co-administration with methotrexate trial:** KRYSTEXXA with methotrexate: gout flares, arthralgia, COVID-19, nausea, and fatigue; KRYSTEXXA alone: gout flares, arthralgia, COVID-19, nausea, fatigue, infusion reaction, pain in extremity, hypertension, and vomiting. **KRYSTEXXA pre-marketing placebo-controlled trials:** gout flares, infusion reactions, nausea, contusion or ecchymosis, nasopharyngitis, constipation, chest pain, anaphylaxis, and vomiting.

\*KRYSTEXXA is not indicated for the treatment of pain.  
BID, twice daily; QD, every day.  
Data on File. Horizon, June 2023.

**Please see additional Important Safety Information (slides 30-31) and accompanying Full Prescribing Information, including Boxed Warning.**

**KRYSTEXXA**  
pegloticase