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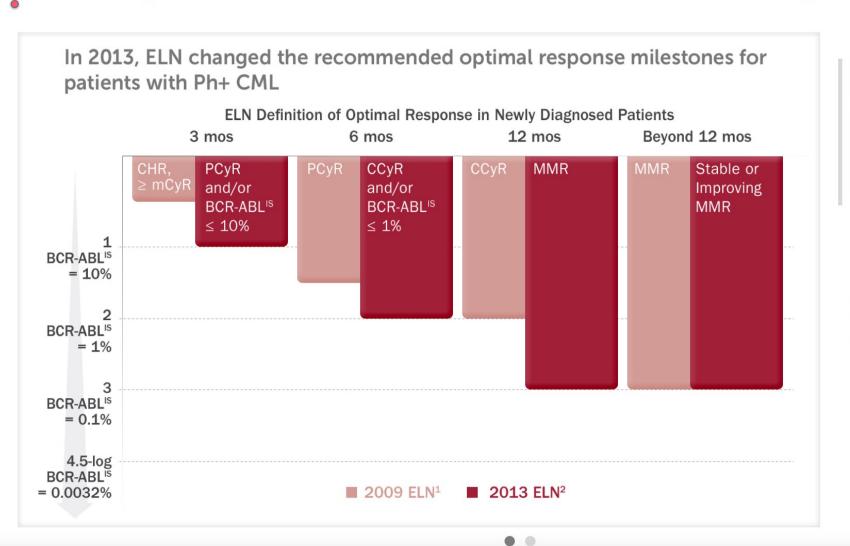






MISSING MILESTONES HAS CONSEQUENCES

European LeukemiaNet (ELN) Now Recommends Earlier, Deeper Response



How are your newly diagnosed patients doing meeting these milestones?

BCR-ABLIS < 10% at 3 months is also referred to as early molecular response (EMR).3



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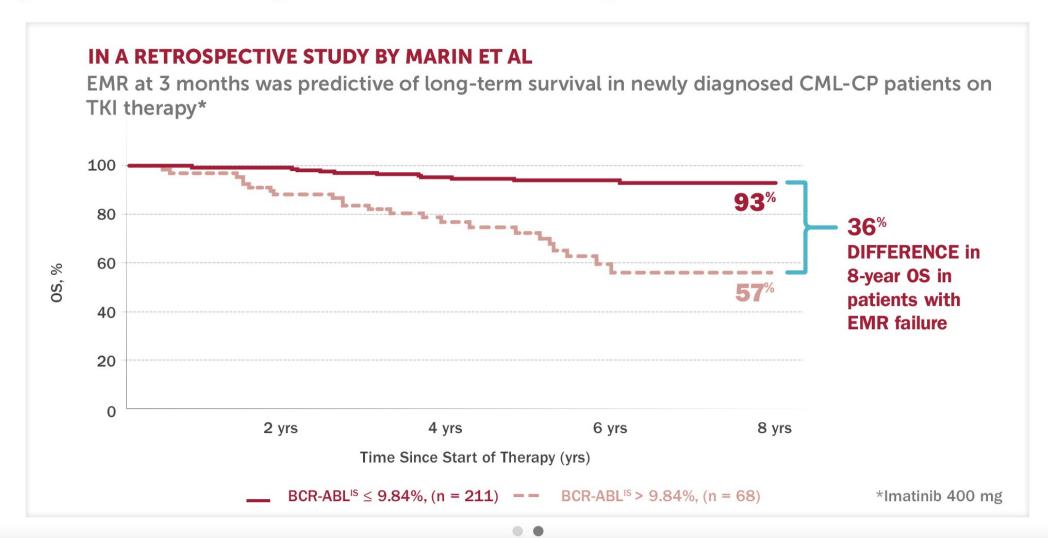








Achieving EMR is Associated With Improved Overall Survival¹





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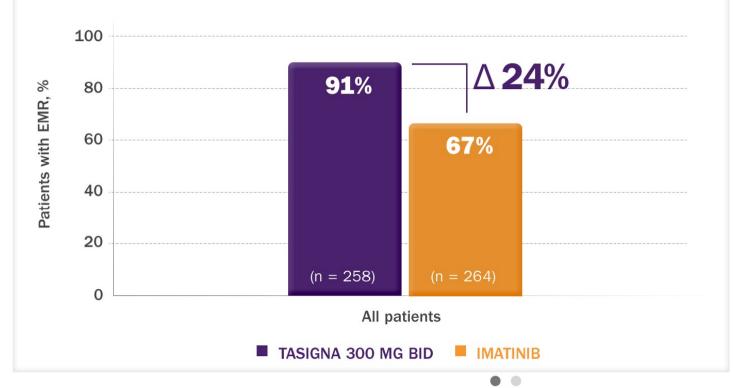


EARLIER RESPONSE MATTERS

More Patients Achieved EMR With Tasigna vs Imatinib^{1,2}

ENESTND LANDMARK ANALYSIS

In a retrospective analysis in ENESTnd evaluating EMR at 3 months: MORE PATIENTS ACHIEVED EMR with Tasigna vs imatinib, regardless of Sokal score



3X as many patients failed to achieve EMR

with imatinib vs Tasigna (33% vs 9%)

VIEW ADDITIONAL DATA

ENESTnd participants without evaluable PCR samples at 3 months were excluded from the Landmark Analysis.

Tasigna 400 mg BID ENESTnd study arm is not reported here as this dose is not indicated for newly diagnosed patients.



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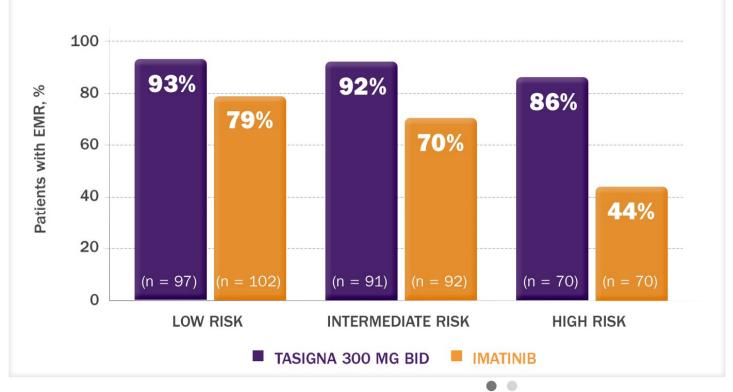


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3X as many patients

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VIEW ALL PATIENTS

ENESTnd participants without evaluable PCR samples at 3 months were excluded from the Landmark Analysis.

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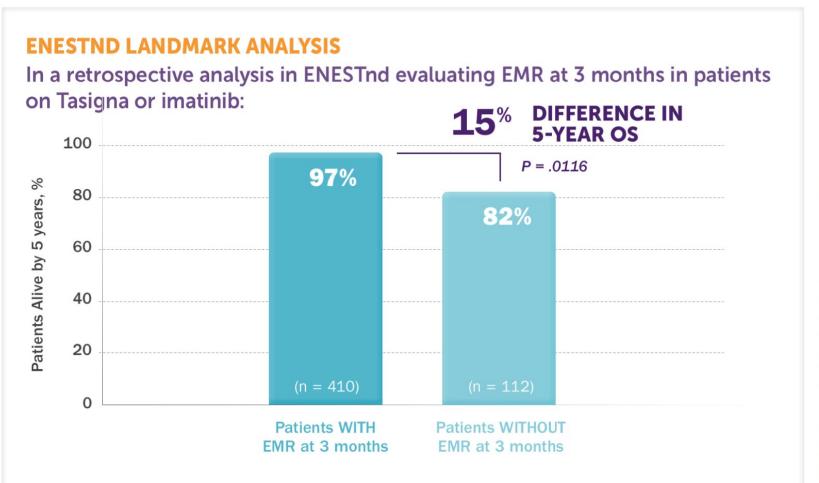






EARLIER RESPONSE MATTERS

Patients Who Achieved EMR Showed Greater Overall Survival¹



Patients who achieved EMR showed greater OS¹

◆ VIEW LINE GRAPH

ENESTnd participants without evaluable PCR samples at 3 months were excluded from the Landmark Analysis.

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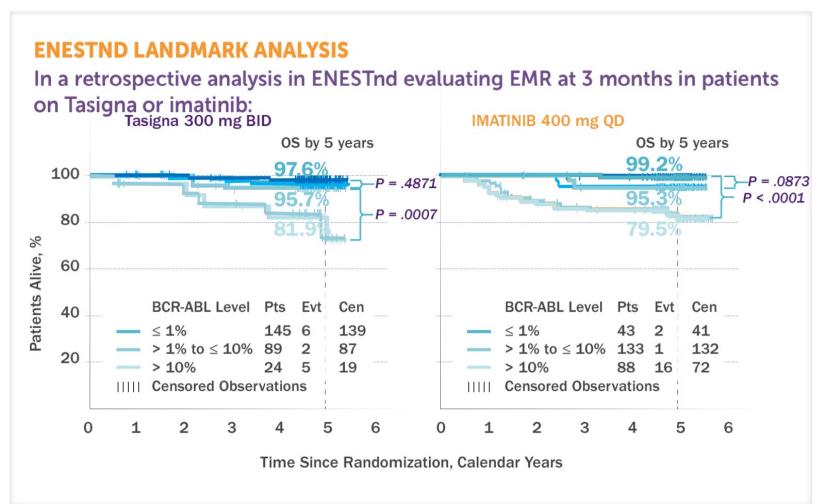






EARLIER RESPONSE MATTERS

Patients Who Achieved EMR Showed Greater Overall Survival¹



Patients who achieved EMR showed greater OS¹

◆ VIEW BAR GRAPH

ENESTnd participants without evaluable PCR samples at 3 months were excluded from the Landmark Analysis.

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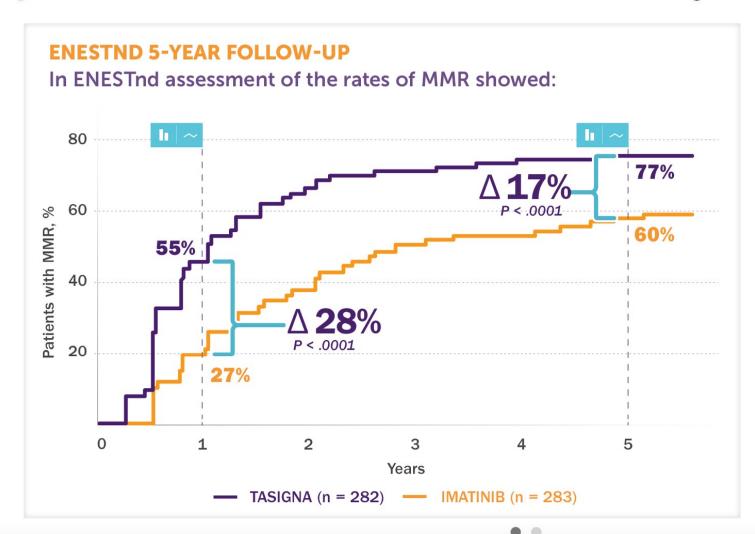








More Patients Achieved MMR With Tasigna vs Imatinib¹



The imatinib arm **DID NOT CATCH UP** to the Tasigna arm by 5 years

MMR rates remained higher by 5 years with Tasigna vs imatinib

Tasigna 400 mg BID ENESTnd study arm is not reported here as this dose is not indicated for newly diagnosed patients.

Cumulative response rates by 5 years were calculated based on sixty 28-day cycles in a database with 60 calendar months of follow-up.



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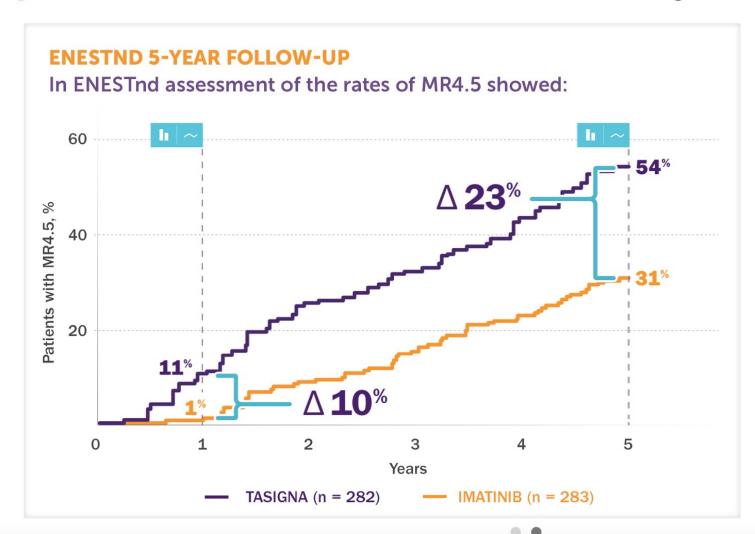








More Patients Achieved MR4.5 With Tasigna vs Imatinib¹



The imatinib arm **DID NOT CATCH UP** to the Tasigna arm by 5 years

23% more patients achieved MR4.5 by 5 years with Tasigna vs imatinib

Tasigna 400 mg BID ENESTnd study arm is not reported here as this dose is not indicated for newly diagnosed patients.

Cumulative response rates by 5 years were calculated based on sixty 28-day cycles in a database with 60 calendar months of follow-up.



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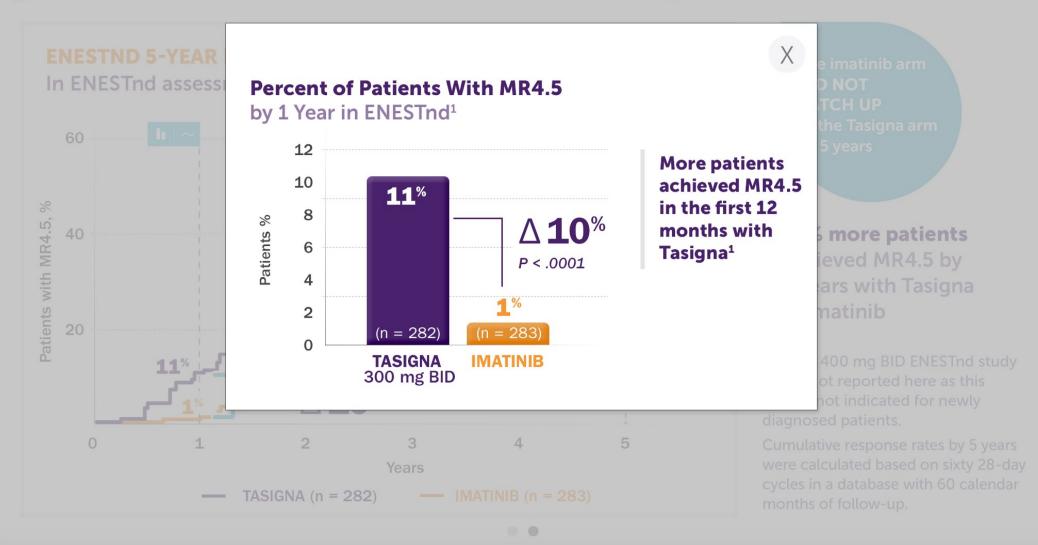








More Patients Achieved MR4.5 With Tasigna vs Imatinib¹





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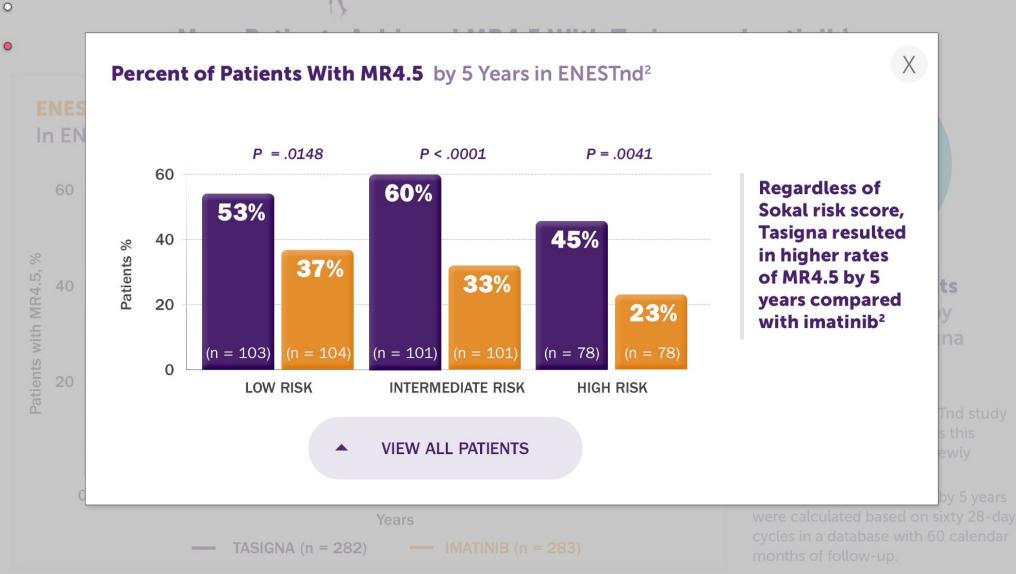
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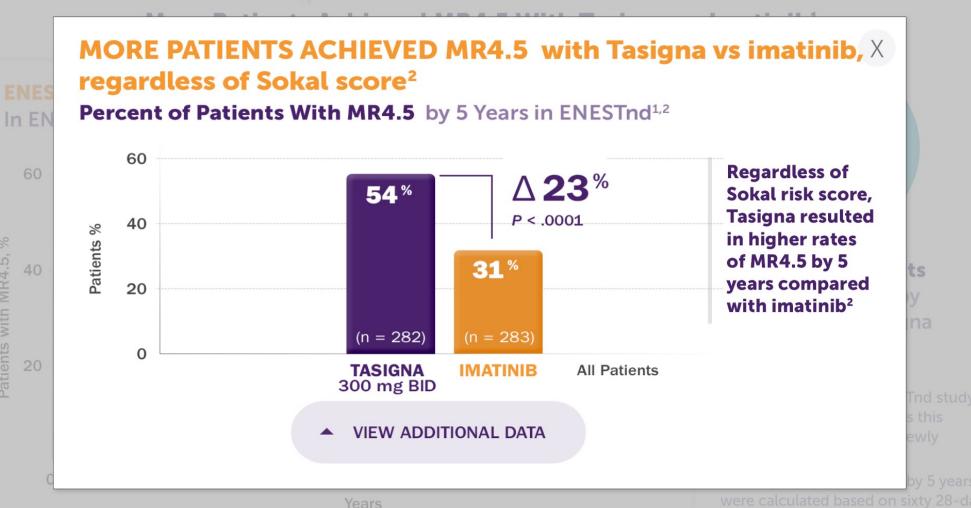
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Patients with MR4.5,

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TASIGNA (n = 282)

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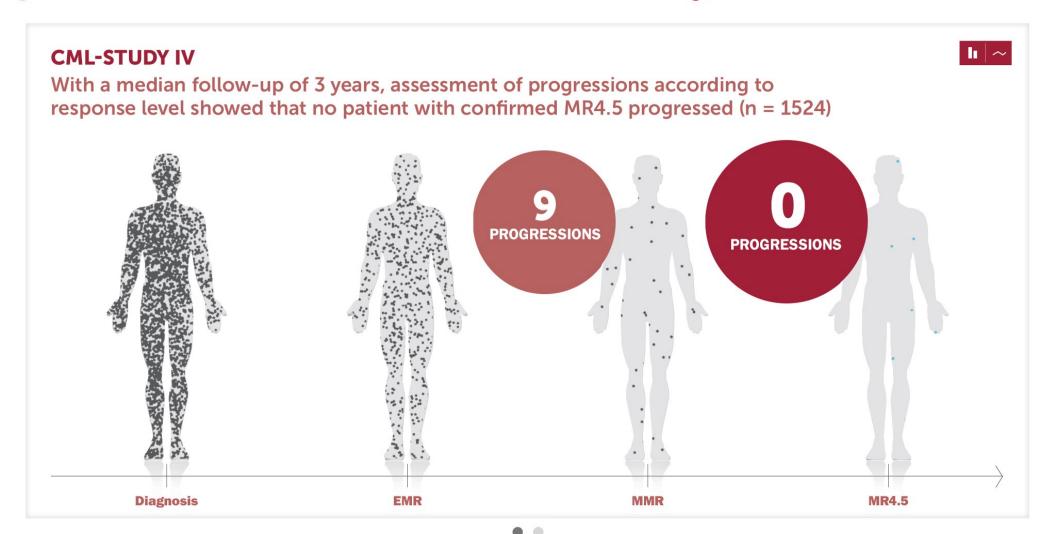






FEWER PROGRESSIONS

MR4.5 Matters When it Comes To Progression¹





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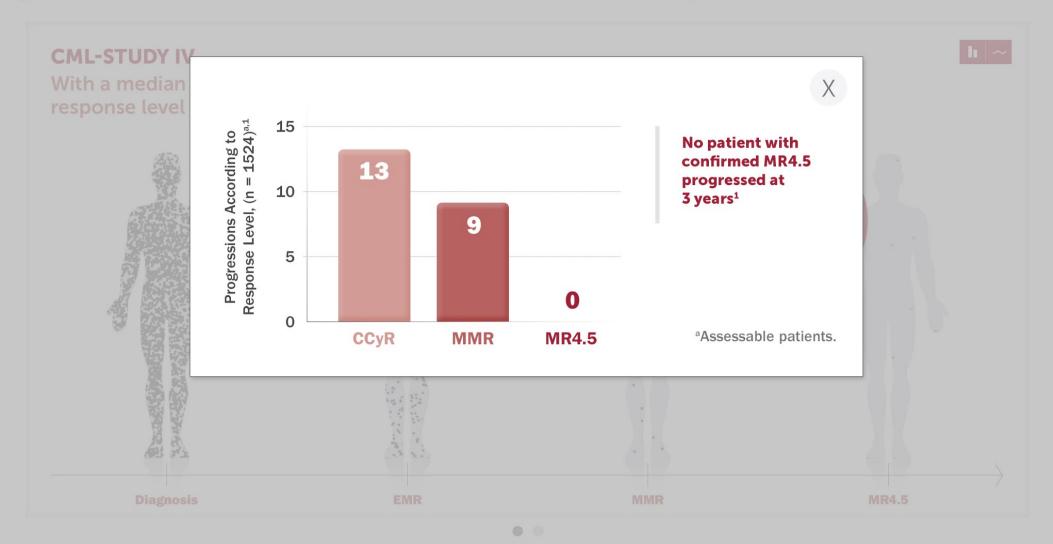








MR4.5 Matters When it Comes To Progression¹





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Fewer Patients Progressed With Tasigna vs Imatinib²

ENESTND 5-YEAR FOLLOW UP

In ENEST analysis of progressions to AP/BC while on study drug showed:

of patients treated with Tasigna 300 mg BID

REMAINED IN CHRONIC PHASE (n = 282)



NO NEW PROGRESSIONS while on study drug since the 2-year analysis

No patient with MR4.5 in any arm progressed³

Progression to AP/BC events included progressions to AP/BC (excluding clonal evolution) or CML-related deaths occurring on study drug.

Tasigna 400 mg BID ENESTnd study arm is not reported here as this dose is not indicated for newly diagnosed patients.



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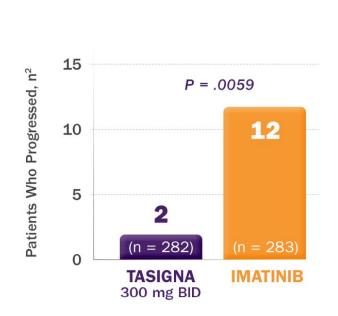




Fewer Patients Progressed With Tasigna vs Imatinib²

In ENESTnd and

REMA



No patient with MR4.5 in any arm progressed³

Progression to AP/BC events included progressions to AP/BC (excluding clonal evolution) or CML-related deaths occurring on study drug.

Tasigna 400 mg BID ENESTnd study arm is not reported here as this dose is not indicated for newly diagnosed patients.

X

with MR4.5



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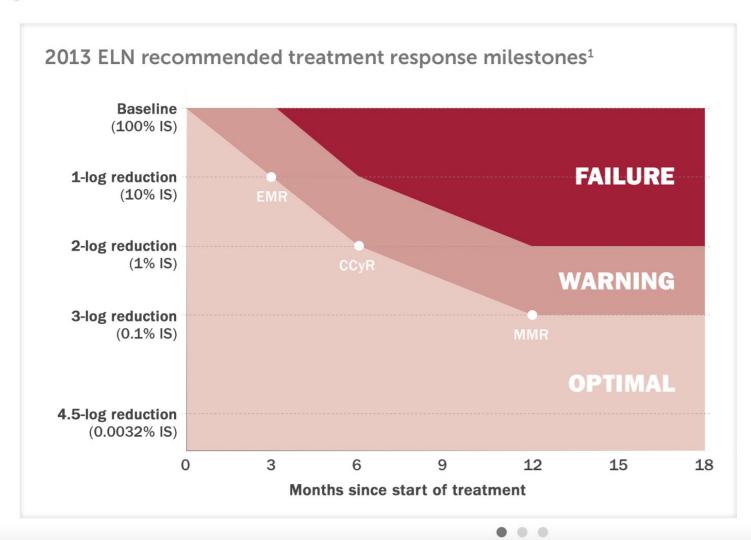








Current ELN Recommendations for Switching¹



How do your patients respond to treatment after switching for treatment failure?

Does increased monitoring in patients with a warning response allow you to act faster in the event of treatment failure?



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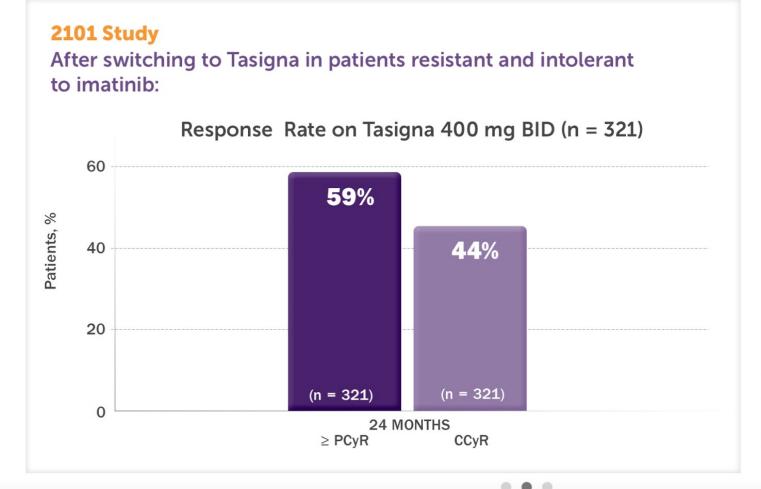








Responses in Patients Switched to Tasigna After Experiencing Resistance or Intolerance to Imatinib²



ACHIEVING
OPTIMAL*
RESPONSES
in the second line is
important to prevent
progression to AP/BC¹

Most responders achieved > PCyR within 3 months.

In patients who achieved CCyR, the median time to ACHIEVE CCyR was approximately 3 months.

*According to ELN. ELN definition of optimal response to second-line treatment at 3 months is > mCyR (Ph+ < 65%) and/or BCR-ABL <10%.



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SWITCH

Recurrence of Adverse Events After Switch to Tasigna³

2101 STUDY In the phase 2 study 2101 after switching to Tasigna 400 mg BID in imatinib-resistant or —intolerant patients: Nonhematologic AEs for CML-CP (n = 95) **Reasons for Discontinuing Recurrence after Switching Imatinib** at Study Entry, % to Tasigna, % Rash/skin toxicity 29% 0% 0% **19**% Fluid retention ■ Imatinib-intolerant Grade 3/4 or Grade 2 Diarrhea 13% 3% adverse event 3% **1**% **ALT** elevations ■ Grade 3/4 or **ALT** elevations 0% persistent Grade 2



Myalgia/arthralgia

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11%

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adverse event after

switching to Tasigna

0%





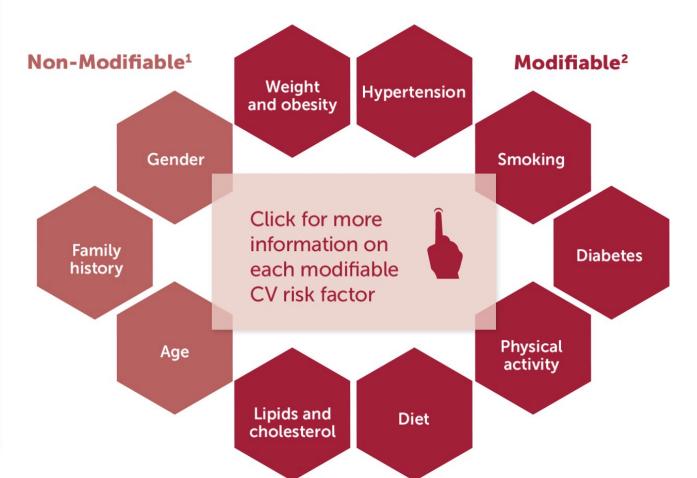


Managing Risk Factors

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Modifiable and Non-Modifiable CV Risk Factors

The choice of treatment is an individualized treatment decision based on a benefit:risk assessment



CVEs have been reported in patients with Ph+ CML treated with **ALL APPROVED** TKIS²⁻⁶

Some CV risks can be managed¹

Chronic management with any TKI therapy requires close monitoring²⁻⁶

All patients treated with TKIs should be assessed for risk factors of CV disease. regularly monitored and, if appropriate, managed by standard guidelines.



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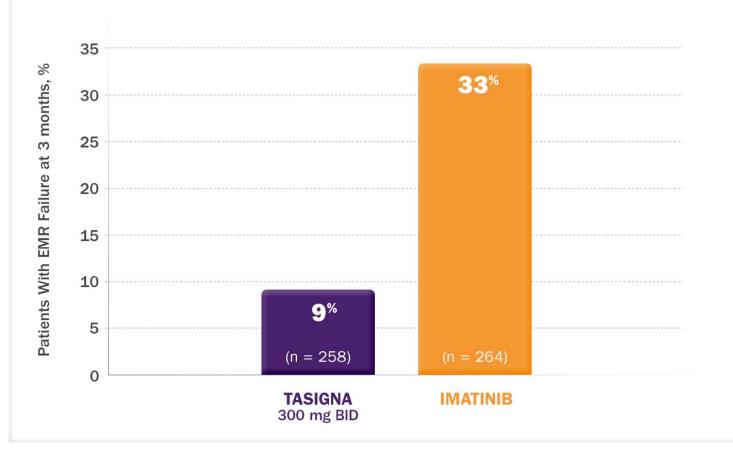
FIRST-LINE CHOICE MATTERS

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Your First Treatment in CML Matters

ENESTnd Landmark Analysis¹

3X as many patients on imatinib failed to achieve EMR at 3 months vs Tasigna in an analysis in ENESTnd



More patients achieved EMR with

Tasigna vs imatinib¹



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A Dosing Regimen That Fits Into a Daily Routine¹

Patients should take 2 Tasigna capsules in the morning and 2 capsules in the evening. Doses should be about 12 hours apart.



If a patient misses a dose, he or she should not take another dose but rather wait to take the next scheduled dose

Patients must avoid food for 2 hours before and 1 hour after each dose

For full dosing information including dose adjustments please see the full prescribing information.



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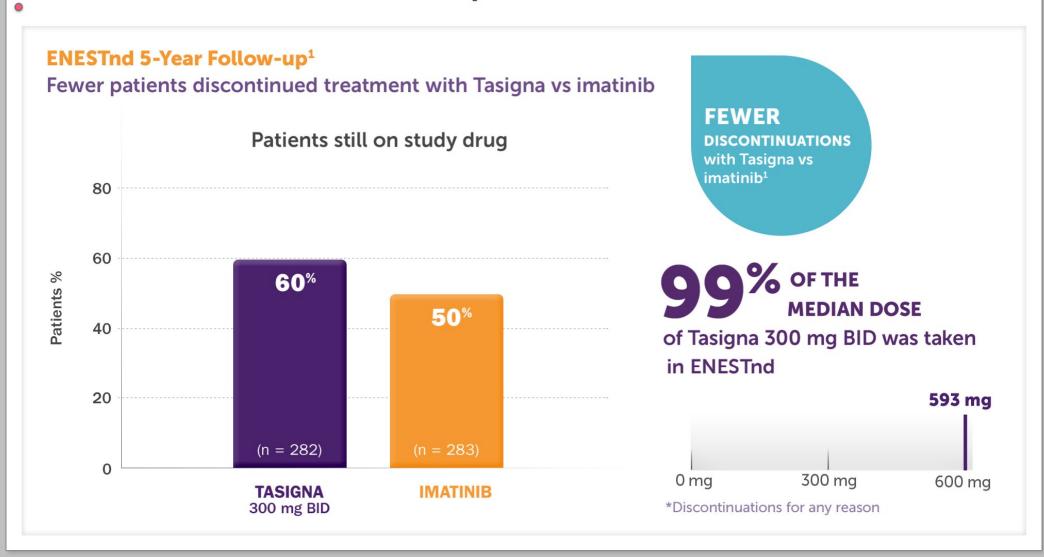








Starting With Tasigna Resulted in Fewer Discontinuations Compared With Imatinib*1,2





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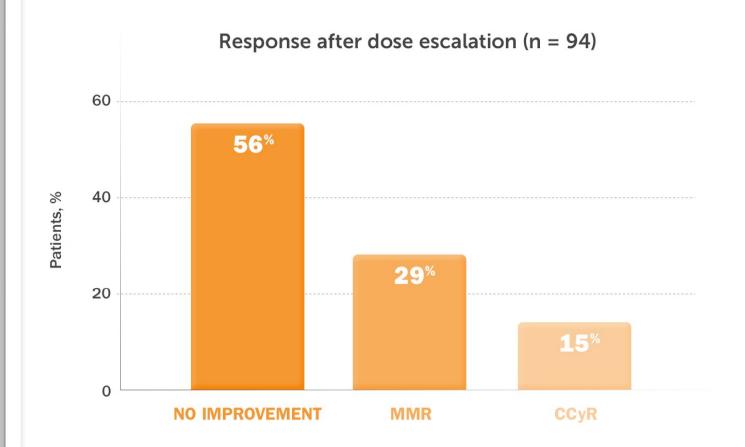






Does High-Dose Imatinib Improve Response?

In ENESTING, patients with suboptimal response or treatment failure on imatinib 400 mg once daily were permitted to dose escalate to imatinib 400 mg twice daily a,1



Over half of these patients did not achieve improved responses on high-dose imatinibb,2

^a The median time on imatinib 400 mg prior to dose escalation to 800 mg was 17 months (range 3-42 months).2 Dose escalation was permitted on the imatinib arm only for patients with SoR or TF. SoR is no longer defined in the FLN recommendations. 3,4 See study design for definitions of SoR and TF in this study.

^b The median time on imatinib 800 mg was 12 months (range < 1-39 months).2



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Can Tasigna Be Co-administered With Some Medications?

For many patients Ph+ CML-CP has become a chronic disease requiring continuous management and TKIs are often prescribed in patients with comorbidities¹

Coadministration is not advised in the following situations:

- Strong CYP3A4 inhibitors can
 Strong CYP3A4 increase Tasigna concentration. inducers can decrease They should be avoided because Tasigna concentration. increase concentration this can lead to QT prolongation They should be avoided and toxicities of other drugs, drugs that may and potentially to sudden death² because this can lead
- to loss of response²
 - Tasigna, by inhibiting CYP3A4 itself, can including certain statins. Doses of these substrates may need to be lowered²
- Concomitant use of anti-arrhythmic medicines and other prolong the QT interval should be avoided²
- Taking Tasigna with food results in higher serum concentration. Grapefruit juice and other foods that are known to inhibit CYP3A4 should be avoided at any time²

Antacids/H2blockers/PPIs

	Concurrent use with Glivec ³	Concurrent use with Tasigna ⁴	Comment
Antacids	$\sqrt{}$	$\sqrt{}$	If necessary, an antacid may be administered approximately 2 hours before or approximately 2 hours after the dose of Tasigna
H2 Blockers	$\sqrt{}$	√6	When the concurrent use of an H2 blocker is necessary, it may be administered approximately 10 hours before and approximately 2 hours after the dose of Tasigna

- ^a Should receive heparin instead of coumadin derivatives.
- ^b Clinically meaningful drug-drug interaction between Tasigna and warfarin is less likely up to a dose of 25 mg of warfarin.

Patients who take Tasigna concomitantly with certain medications or who have certain comorbidities may require more frequent



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DRUG-DRUG INTERACTIONS

Can Tasigna Be Co-administered With Some Medications?

	Concurrent use with Glivec ³	Concurrent use with Tasigna ⁴	Comment	^a Should receive heparin instead of coumadin derivatives.	
Antacids	√	$\sqrt{}$	If necessary, an antacid may be administered approximately 2 hours before or approximately 2 hours after the dose of Tasigna	b Clinically meaningful drug-drug interaction between Tasigna and warfarin is less likely up to a dose of 25 mg of warfarin. Patients who take Tasigna concomitantly with certain medications or who have certain comorbidities may require more frequent monitoring. This list is not exhaustive, please refer to the currently approved prescribing information that	
H2 Blockers	√	√6	When the concurrent use of an H2 blocker is necessary, it may be administered approximately 10 hours before and approximately 2 hours after the dose of Tasigna		
PPIs	$\sqrt{5}$	√6	Tasigna may be used concurrently with esomeprazole or other proton pump inhibitors as needed		
arfarin				is applicable for your country	
Warfarin	Xa	√b	Control of warfarin pharmacodynamic markers (INR or PT) following initiation of Tasigna therapy is recommended at least in the first two weeks		



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Tasigna Has a Manageable, Favorable Tolerability Profile¹

In ENESTING, 12.1% of patients taking Tasigna discontinued therapy by 5 years due to adverse events vs 13.4% of those taking imatinib.² The median time on treatment was 60.5 months (range 0.1 - 70.8 months).¹

- Fluid retention
- Gastrointestinal
- Skin and subcutaneous tissue
- Musculoskeletal
- General disorders
- Hematologic parameters
- **Biochemical parameters**



The Tasigna 400 mg BID ENESTnd study arm is not reported here and this dose is not indicated for newly diagnosed patients. For further information on safety, including the serious risks associated with Tasigna, please see the safety information and full prescribing information.

- 1. Habucky K, Megyeri A. Tasigna (nilotinib) 150 mg and 200 mg hard capsules core data sheet version 1.3. West Sussex, United Kingdom: Novartis Europharm Limited; 2014:1-61. Table 7-1: Most Frequently Reported Non-hematologic. Adverse Drug Reactions (≥ 5% in any TASIGNA Group)
- 2. Larson RA, Kim D-W, Jootar S, et al. ENESTnd 5-year update: long-term outcomes of patients with chronic myeloid leukemia in chronic phase treated with frontline nilotinib vs imatinib. J Clin Oncol. 2014;32(5s): abstract 7073.







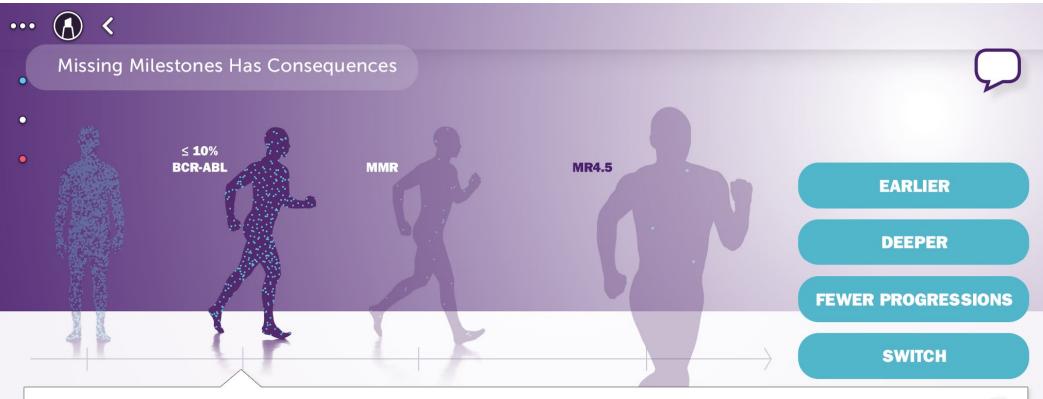
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ENESTnd Landmark Analysis

Percent of Patients Who Achieved EMR

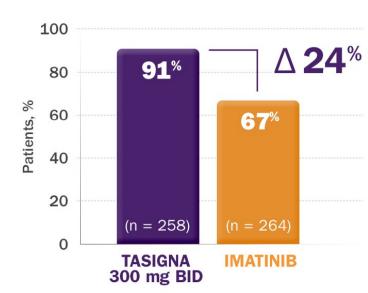
at 3 Months in ENESTnd1

Earlier response matters: More patients achieved EMR with Tasigna vs imatinib1

Patients who achieved EMR showed greater OS¹

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1. Habucky K, Megyeri A. Tasigna (nilotinib) 150 mg and 200 mg hard capsules core data sheet version 1.3. West Sussex, United Kingdom: Novartis Europharm Limited; 2014:1-61.



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