Safety of bosutinib in people with chronic myeloid leukemia who have received previous treatment

Study number: NCT02228382 | Study start date: November 2014 | Estimated study end date: September 2021

Date of summary: December 2019

The full title of this abstract is: Cross-Intolerance With Bosutinib After Prior Tyrosine Kinase Inhibitors in Patients With

Chronic Phase Chronic Myeloid Leukemia: BYOND Phase 4 Study

complete.

Researchers must look at the results of many types of

under study that is discussed in this summary.

This study drug is approved to treat the condition

studies to understand whether a study drug works, how it works, and whether it is safe to prescribe to patients.

This summary reports the results of only one study. The results of this study might be different from the results

of other studies that the researchers look at.

More information can be found in the scientific abstract of this study, which you can access here: **View ASH Abstract**

This summary reports the interim results from the

study - results may not be the same when the study is

Click to find out how to say tricky medical terms 🔨

(a) Bosutinib <boh-SOO-tih-nib> ◆ Dasatinib <da-SA-tih-nib>

- **◄ Imatinib** <ih-MA-tih-nib>
- Myeloid leukemia <MY-eh-loyd loo-KEE-mee-ah>
- Nilotinib <ny-LOH-tih-nib> **▼)** Tyrosine kinase inhibitor <TY-ruh-seen KY-nays in-HIH-bih-ter>
- What did this study look at?

of cancer that affects white blood cells. It tends to progress slowly over many years.

BCR-ABL, which causes the cancer cells to increase in number. - Genes are segments of DNA* and are found in structures called chromosomes within each cell of

the body. BCR-ABL is found in a chromosome

- CML is caused by an alteration in a gene called

Chronic myeloid leukemia (CML for short) is a type

- called the Philadelphia chromosome (Ph chromosome for short), which is present in some types of leukemia cancer cells. • Bosutinib is a type of medicine known as a tyrosine kinase inhibitor (TKI for short). - Tyrosine kinases are proteins in the body that
- Bosutinib works by blocking tyrosine kinase in the cancer cells, causing them to die. • Bosutinib is an approved treatment for people who:

control how cells grow and divide.

- have newly diagnosed CML, or - have CML that is no longer responding to treatment with other TKIs (such as imatinib,

dasatinib and nilotinib), or

Who took part in this study?

• This analysis looked at 156 people with CML.

- They can no longer tolerate treatment due to the

- have discontinued prior treatment because they

Some people have to stop taking one TKI because:

- They can no longer tolerate treatment due to

medical problems* (known as intolerance).

could not tolerate it.

- same medical problem.
- This ongoing study looks at people with CML who are taking bosutinib. These people previously took other TKIs, but:

- their CML was no longer responding, or

- they could no longer tolerate the previous TKIs. • This summary describes the safety of bosutinib in people with CML who had to stop taking imatinib, dasatinib or nilotinib due to medical problems.
- caused by an underlying disease or by chance). Or, medical problems could have been caused by a study treatment, or by another medicine the participant was taking

Previously took nilotinib

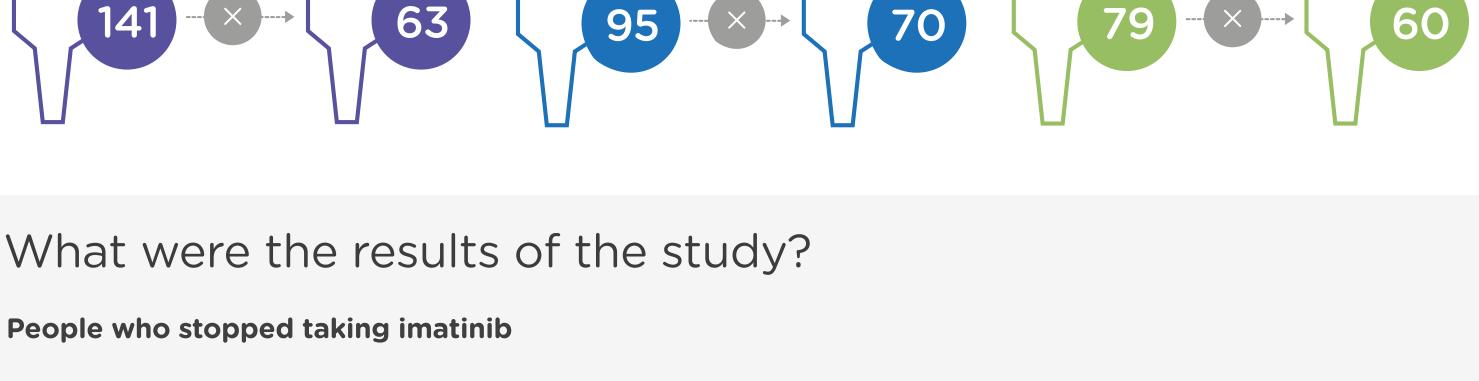
* Medical problems could be caused by reasons not related to the study (for example,

- Half of the people included in this study took bosutinib for at least 24 months. These people stopped taking a previous TKI treatment due to medical problems and then took bosutinib

- Some people had received more than one previous TKI.

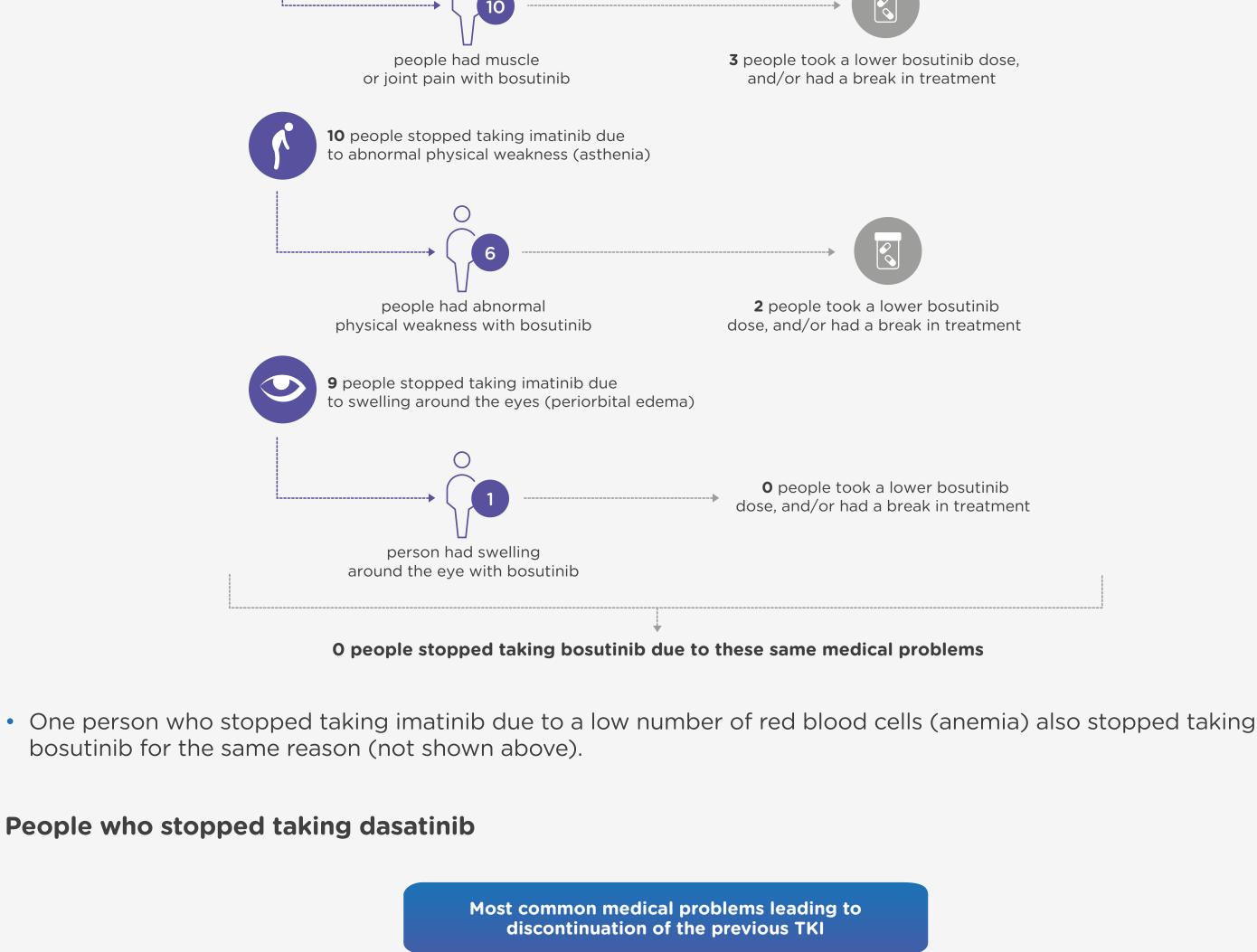
Previously took imatinib

Previously took dasatinib



Most common medical problems leading to discontinuation of the previous TKI

19 people stopped taking imatinib due to muscle or joint pain (musculoskeletal pain)



person had a rash fluid around the lungs with bosutinib with bosutinib **O** people took a

4 people stopped taking

lower bosutinib dose, or had a break

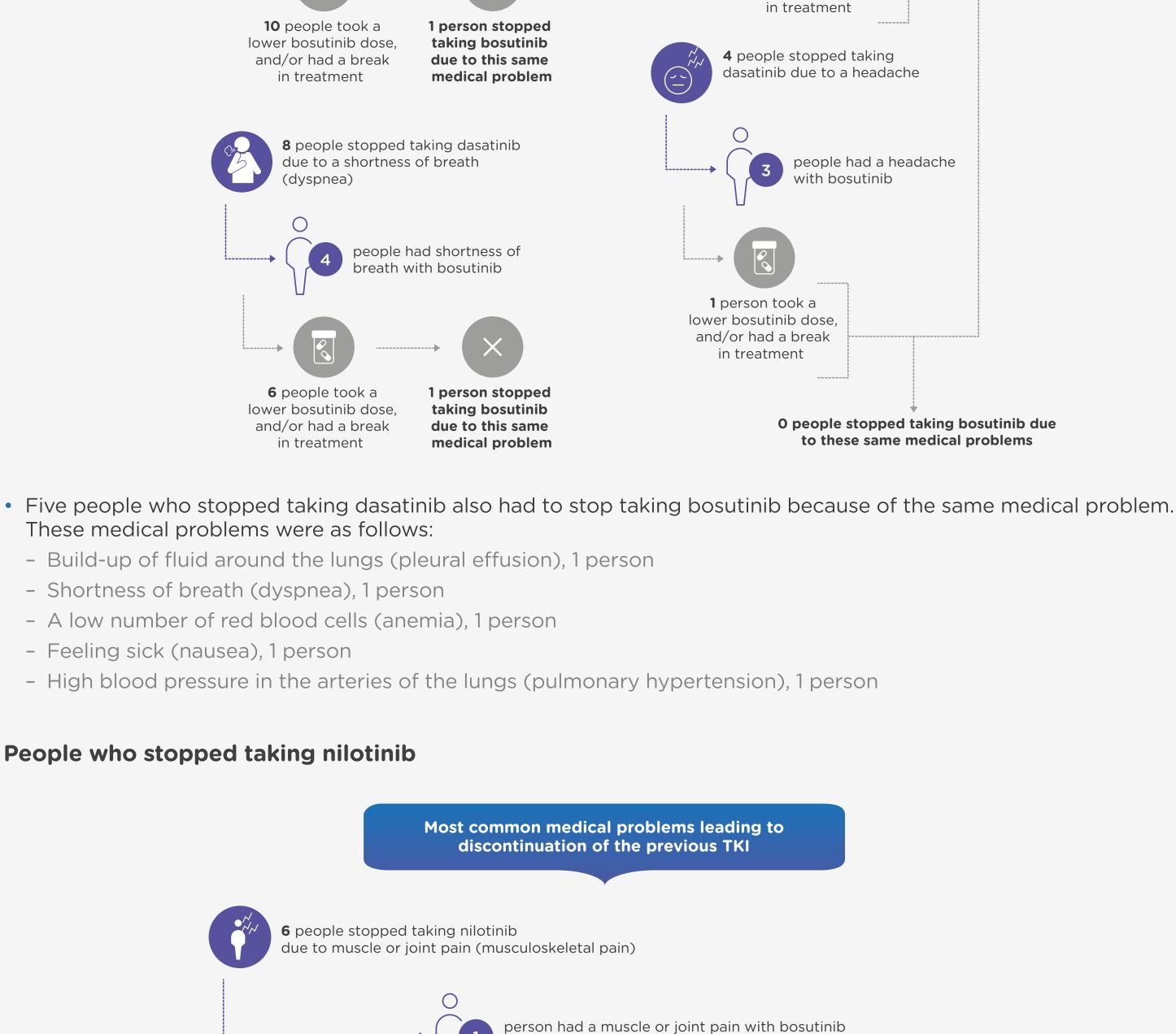
dasatinib due to a rash

36 people stopped taking dasatinib

lungs (pleural effusion)

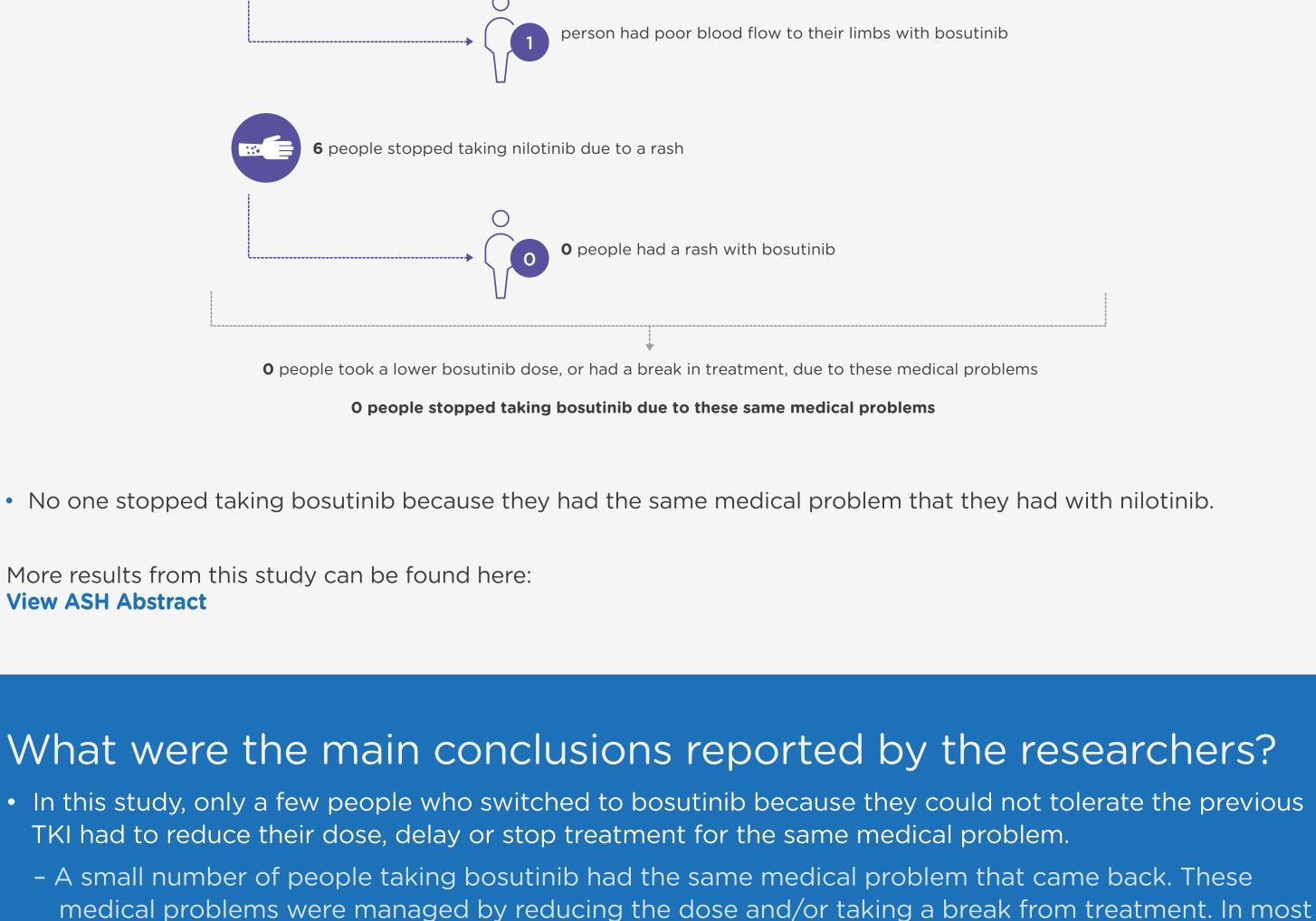
due to a build-up of fluid around the

people had a build-up of



6 people stopped taking nilotinib

due to poor blood flow to their limbs (peripheral ischemia)



• This study supports bosutinib as a treatment for people with CML who have to stop their previous TKI

in this study.

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Who sponsored this study?

Pfizer would like to thank all of the people who took part

Further information

Click to show more information on the study and clinical trials in general A For more information on this study, please visit:

cases, people were able to continue treatment with bosutinib.

because they can no longer tolerate it due to medical problems.

View ASH Abstract https://clinicaltrials.gov/ct2/show/NCTO2228382 For more information on clinical studies in general, please visit:

https://www.clinicaltrials.gov/ct2/about-studies/learn http://www.cancerresearchuk.org/about-cancer/find-a-clinical-trial/what-clinical-trials-are