

IINFORMING PATIENTS ABOUT TFR

Giora Sharf CML Horizons 2018 Warsaw



TFR PHASES

Consideration, discussion and decision phase

Stopping Phase: Probation period Therapy-free remission failure phase

Stopping phase: Long-term therapy-free remission

CML Patient Environment- 2017

- Lack of "patient-friendly" TFR information- you cant decide stopping if you do not have the data
- Different standards at different TFR trials
 TFR done in and out of clinical trials
- Companies are pushing second-generation TKIs as better option for future TFR – not really proven in real life yet
- Bottom line: TFR not well understood, much confusion as well as hope, excitement



WHAT HAS CHANGED IN THE LAST YEAR

• Lack of "patient-friendly" TFR information- you cant decide stopping if you do not have the data

Changes:

- TFR leaflet by the "What If What Now" Team
- TFR Video Interview of Prof Saglio by Giora
- TFR Position Paper to be published soon in the journal *Clinical Lymphoma, Myeloma and Leukemia*



- Working group consisting from 7 CML Advocates: Mina Daban, Jan De Jong, Nigel Deekes, Felice Bombaci, Jelena Cugurovic, Sarunas Narbutas and Giora Sharf
- 5 CML experts- Prof Saglio, Dr Andrija Bogdanovic, Dr Antonio Medina Almeida, Dr Valentine Garcia Gutierrez and Dr Daniela Zackova.
- Organized and sponsored by Novartis region Europe



Team Work parallely on 6 CML educational topics :

- Treatment-free remission
- Generic tyrosine kinase inhibitors
- CML: understanding your diagnosis
- TKIs: managing side effects
- CML, fertility and the young adult
- Information for caregivers

There is a video on each of these topics done by one of the advocates and one of the experts.

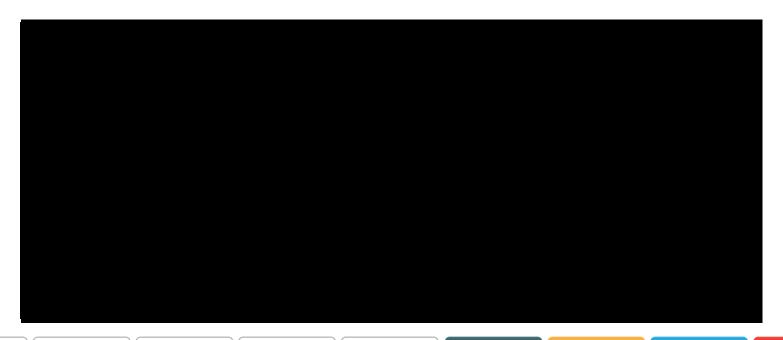


- All Materials are now available without any branding
- It will be soon available in 7 languages and we can add more if needed
- We are now exploring taking over the responsibility to continue to develop educational material for CML patients that all our members will be able to use freely.



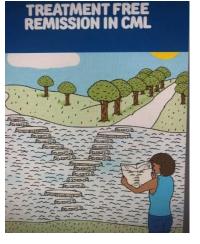
Treatment Free Remission:

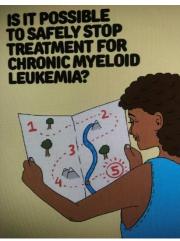
- Video Interview of Prof Saglio by Giora
- Available on CML Advocates Website





TFR Leaflet





WILL MONITORING CONTINUE INTO LONG-TERM TFR?

It is very important that PCR monitoring continues long after you have stopped taking medication. Even though the risk of relapse is highest during the first 6 months after stopping", late recurrences, even if rare, are possible and it is important to detect them as soon as possible so that

A system to standardize PCR results has been introduced to make monitoring as accurate as possible and to ensure a correct assessment of response. As long as your PCR is done in a standardized lab, here is no need to worry Results may sometimes fluctuate a little but you only eed to restart treatment if loss of MR3

mied before PCR test





After discontinuation, some patients may experience a withdrawal syndrome, characterized by pain in their muscles, joints or bones. In most cans is in mid and can be managed with simple patientilities. Symptoms can last for weeks, or, more rarely; a few months, and generally get better on their one+. on their own

IS THERE ANYTHING I CAN DO IF I FEEL WORRIED ABOUT STOPPING TREATMENT?

HAVE I FAILED IF I AM	
NOT ELIGIBLE FOR TFR	
OR NEED TO START	-
TREATMENT AGAIN?	
You should never feel as	-
though you have failed if	-
TFR does not work for you.	
It does not matter if you are	-
unsuitable to stop taking	
medication, or if you need	1
to start taking it again.	
Regardless of the decision	
you and your doctor make	-
about your care, the aims	
of treatment are always to prevent disease progression.	
to achieve a deep molecular	-
response and to improve your	
quality of life.	
	1
	-11
COULD I STILL BE	1
OFFERED THE CHANCE	X
TO STOP TREATMENT	
EVEN IF I DON'T MEET	
ALL OF THE CRITERIA?	
It can be risky to attempt TFR if you are not clinically	

WHAT IS TER?

TFR is the long-term maintenance of Major Molecular Response (MR3; <0.1% BCR-ABL), a sign of disease remission, in CML patients after discontinuing their TKI therapy.

Clinical studies have shown that some patients who have achieved a stable, deep molecular response are able to stop taking tyrosine kinase inhibitors (KIG) without creatives of their disease "A deep molecular response is when there are only first amounts of BCR-BLB gene transcriptio detectable in the blood, or when these are no longer detectable at the limit of ensistivity allowed by currently available technologies."

AM I ELIGIBLE TO STOP THI TREATMENT?

Important factors in deciding if stopping treatment is a suitable option for you could include.3

- The state of your CML
- Which phase of the disease you were in when you started initial TKI therapy; for example, chronic or accelerated phase
- The level of your molecular response to the disease, as mean in a laboratory using the International Scale (IS) of reporting
- How long you have been on TKI therapy The length of time for which you have maintained a deep
- the CML Ad

GLOSSARY

BLOOD COUNT

BOHE MA

BCR-ABL GENE

CHRONIC MYELOID LEUKEMIA (CML)

POLYMERASE CHAIN REACTION (PCR)

STEM CELL

TYROSINE KINASE INHIBITOR (TKI)

TREATMENT-FREE REMISSION (TFR)

WHITE BLOOD CELLS



WHAT HAS CHANGED IN THE LAST YEAR

- TFR done in and out of clinical trials
- Change-
- Very few open trials for stopping. Only 2 trials are currently recruiting: One in Malaysia and one in Germany for a 2 ed stop.
- Most stopping occur in clinical practice.



WHAT HAS CHANGED IN THE LAST YEAR

- Companies are pushing second-generation TKIs as better option for future TFR not really proven in real life yet
- Change
- Nilotinib received an EHA and FDA label for TFR drug.
- Similar label is being requested for Dasatinib (Probabely)
 Has this changed the perspective of Drs and patients in regards to using 2 ed generation out-front for possible future TFR???



What Has changed in the last year

- TFR not well understood, much confusion as well as hope, excitement
- Change-
- No Change Yet. Hopefully the data from our global TFR study will give some answers to clarify the topic, in addition to the planned HCP and Patients educational TFR material



GLOBAL TFR SURVEY

Organized by CML Advocates network

- TFR Workgroup of 10 CML patients on TFR
- Team work Led by Giora and Celia

TFR WORKGROUP

- Giora Sharf
- Jan Geissler
- Pat Elliot
- Rita O. Christensen
- Bernhard Schwarzer
- Felice Bombaci
- Nigel Deekes
- Bahija Gouimi
- Mina daban
- Tamie Kimmelmann
- Sriram Ranganathan



TREATMENT-FREE REMISSION FOR CML PATIENTS

-Interim results from the global online survey of TFR patients -#TFR4CML





55 countries +500 responses 6 weeks...

Have you already taken the #TFR4CML survey?

CML Advocates Network

bit.ly/tfr4cml





Introduction

- The "TFR 4 CML PATIENTS" project consists of a global online survey of TFR patients to collect the viewpoints, needs and experiences of CML patients that are considering or have already started Treatment Free Remission (TFR)
- The aim is to provide CML patients and healthcare providers with more evidence when considering or managing TFR
- Fieldwork is underway at: www.cmladvocates.net/tfr-cmlpatients



Questionnaire Design

- The questionnaire was developed and designed over a number of months in 2017/18, following detailed discussion between CML Advocates and the survey provider, Quality Health
- The questionnaire has been tested by patient volunteers and reviewed by a number of stakeholders. This exercise contributed towards refining the questionnaire into a finished version
- The survey was originally available in seven languages: English, Spanish, German, Italian, French, Finnish and Hebrew. Additional languages, including Danish and Arabic are currently available online.





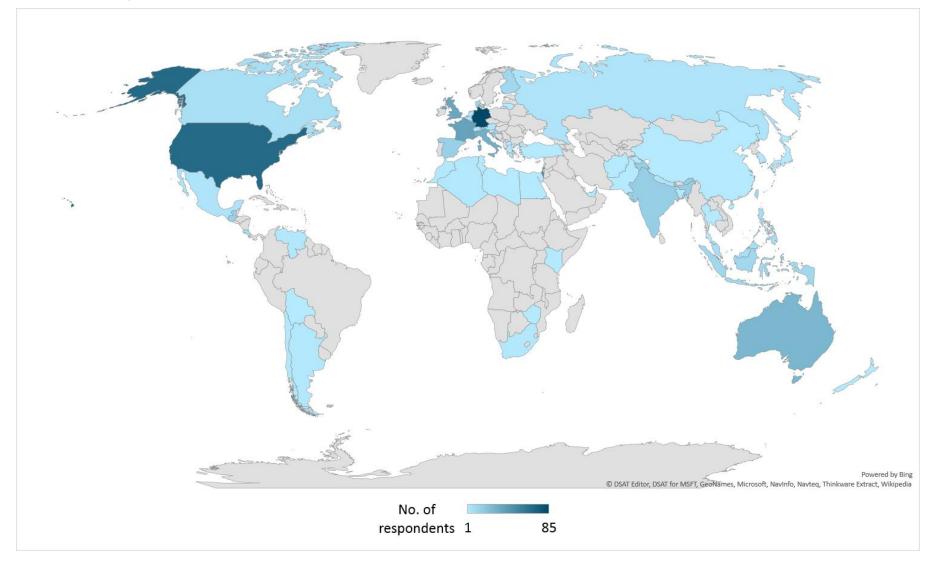
Response Rates

 The number of respondents at the time the interim results were analysed was 546

Country	No. of respondents	Country	No. of respondents	Country	No. of respondents
Afghanistan	1	Greece	2	New Zealand	1
Algeria	2	Guatemala	14	Pakistan	1
Argentina	2	India	15	Philippines	7
Australia	28	Indonesia	10	Russia	5
Austria	3	Israel	50	Slovenia	1
Bangladesh	1	Italy	32	South Africa	2
Belgium	1	Japan	1	South Korea	3
Bolivia	1	Kenya	1	Spain	14
Cabo Verde	1	Коѕоvо	1	Switzerland	3
Canada	6	Lebanon	2	Taiwan	17
Chile	2	Libya	1	Thailand	1
China	1	Lithuania	1	Tunisia	1
Costa Rica	7	Luxembourg	1	Turkey	1
Croatia	12	Macedonia	1	United Arab Emirates	1
Denmark	13	Malaysia	7	United Kingdom	37
Egypt	1	Mexico	4	United States of America	68
Finland	10	Morocco	2	Venezuela	2
France	39	Nepal	3	Zimbabwe	1
Germany	88	Netherlands	3	Blank	10



Response Rates





TFR for CML Patients Survey Impact 14th March- 30 April 2018

+12.200 on TFR website:

http://www.cmladvocates.net/tfr-cml-patients

+35.000 impressions in Twitter with #TFR4CML and @cmlnet

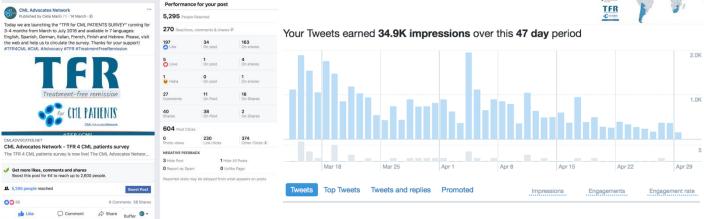
+1100 views TFR video Youtube

+20.000 organic reach of #TFR4CML publications in Facebook

Instagram, Google+, LinkedIn, other channels









Topic One: Reasons to consider TFR (Phase I)

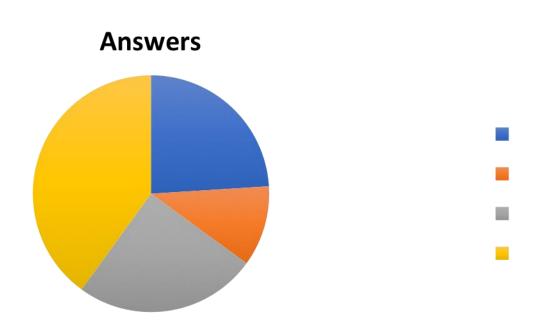
- Respondents could tick all the reasons that made them consider stopping treatment:
- 16. What are the main reasons that made you consider stopping treatment? Please tick all that apply

To get rid of current treatment side effects
The fear of side effects caused by long-term treatment
Not needing to take medication everyday
To see if I can be free of CML without therapy
My doctor proposed I join a 'stopping treatment' clinical trial
Financial reasons - reduction of costs
Planned or unplanned pregnancy
Other, please specify below



Topic Two: Time living with CML (Phase II)

Q25. How many years were you on medication for CML before stopping?







Topic Two: Time living with CML (Phase II)

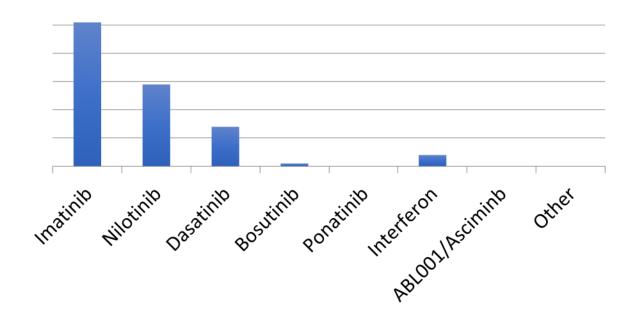
Q26. How long were you in deep molecular response (at least MR4, or BCR-ABL below 0.01%) before you stopped CML treatment?





Topic Three: Which medication were you on before stopping treatment (Phase I)

Q10. What CML medication were you taking just before you stopped?





Topic Four: Reasons to worry about stopping (Phase I)

- Respondents could tick all the reasons that made them worry about stopping treatment
- 17. What are the main reasons that made you worry about stopping treatment? Please tick all that apply

I didn't have enough information about stopping treatment
I wouldn't feel safe going off treatment
There is a lack of proper quality PCR monitoring
The fear of withdrawal symptoms
Recurrence of disease (stopping treatment unsuccessful)
I wasn't worried about stopping treatment
Other please specify below



Topic Five: Withdrawal symptoms (Phase II)

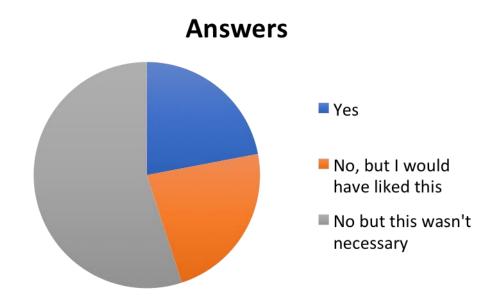
- Respondents could tick all the withdrawal effects they experienced when treatment stopped *
- 31. What withdrawal effects did you experience when treatment was stopped? Please tick all that apply

Pain in muscles, joints or bones
Sweating or skin problems
Depressive episodes or fear or bad mood
Tiredness
Weight loss
Other, please specify below



Topic Six: Psychological support (Phase II)

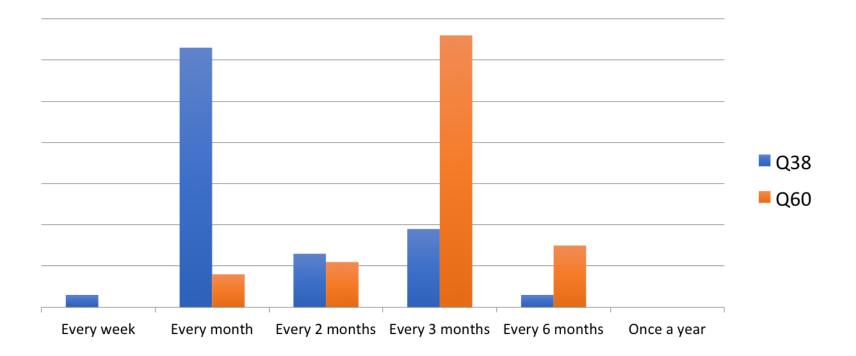
Q35. Did you receive psychological and/or emotional support during the stopping of treatment?





Topic Seven: Monitoring(Phase II)

 The chart below compares the frequency of monitoring of respondents in the 6 month probationary period (Q38) to those in long term remission (Q60)







Conclusions

- Looking at the participating countries it is clear that TFR is currently implemented mainly in developed western countries.
- We need better monitoring in other countries to let patients stop safely.
- We need clear and agreed guideline for stopping treatment, so patients can do it safely.
- More information is needed for both patients and Healthcare providers.

