Not deaf or dead!

'I chose risk of death over going deaf'

After catching multidrug-resistant TB, doctor faced a stark choice

tion of a new drug - the first clinical trial. new TB drug developed in 42

But the new drug came with serious side effects, including sudden cardiac arrest, and

That was the difficult choice from heart attack for Von Delft, a doctor working at a public hos-

beginned little are als are still recorded.

she was diagnosed with multi- called for a fast-track review of drug-resistant tuberculosis the drug, and has allowed for a clinical access programme Her existing regimen of which will collect further dinseven drugs was causing hear- ical data. It will be given to paing loss. Then there was the op-tients at four sites as part of a

years to get Food and Drug Ad- applied for compassionate acm in istration (FDA) approval in cess to the drug. This allows pathe US - but the clinical trial tients to access unregistered drugs in the testing phase, to

> At the time only people acthose in a climi-

between going cal trial, which closed.

I had a choice

Theyhadall beendiagnosed as having

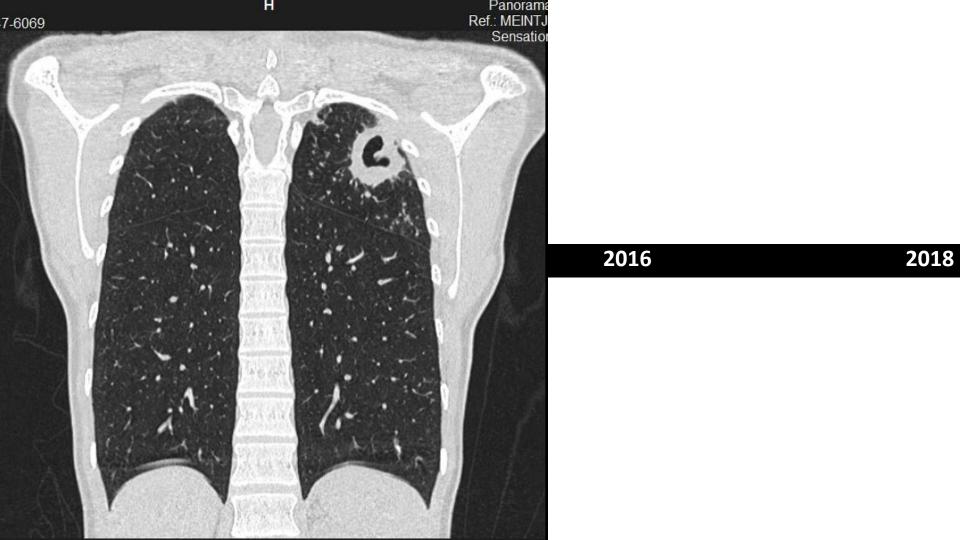


SURVIVOR: Somes et West doctor Delene von Delft and her husband Arne. She was one of the first South Africans to take a ne w new TB drug, the first to get FDA approval in 42 years, which she credits with saving her life.

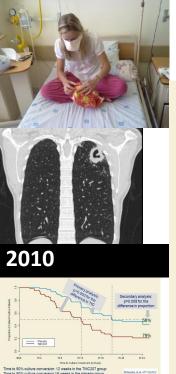
The seven-year journey of bedaquiline as a third choice for all South Africans with MDR-TB, as told by one fortunate MDR-TB survivor.

Arne von Delft, TB Proof

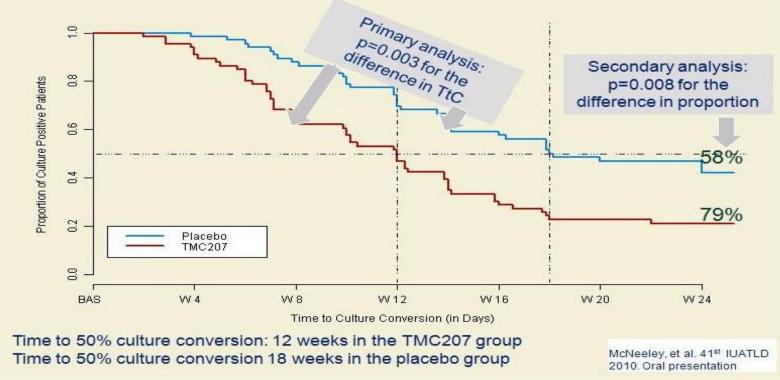
SA HIV Clinicians Society Conference, 25 October





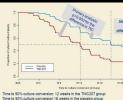


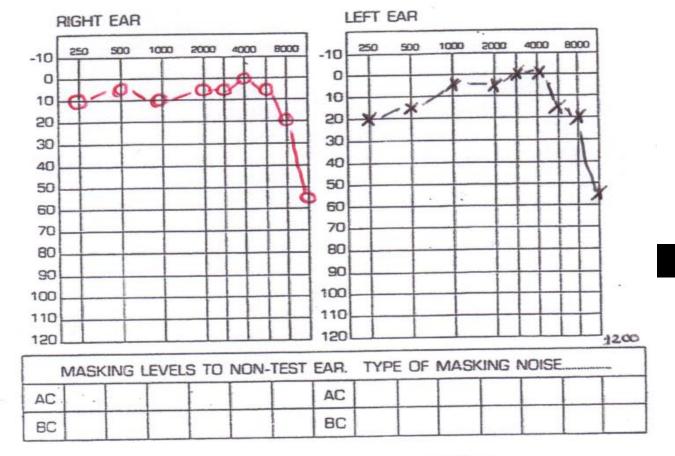
Results of clinical trial – 24 weeks



 Significantly reduced time to culture conversion over 24 weeks (hazard ratio 2.253; 95% CI: 1.08 to 4.71; P = 0.031)









18 – 61.5 % ototoxicity but differing methodology

Table 1. Studies that have examined ototoxicity amongst patients on treatment for drug-resistant tuberculosis, assessed using a standardised testing and classification methodology (alphabetical order)

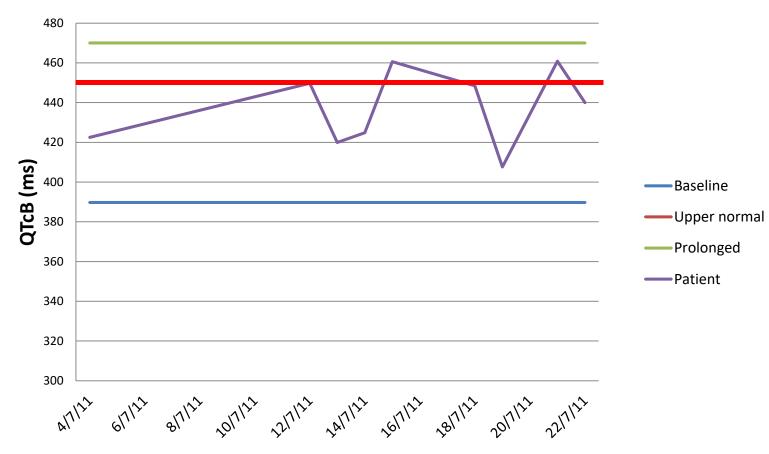
First author	Year of	Country	Type to testing and classification of hearing loss	Number	Number with	Age Range	Number
	study			of	ototoxicity		known to be
				subjects	(%)		HIV-infected
				tested			(%)
de Jager[23]	1995-2000	The	15dB at two adjacent frequencies or 20dB at one frequency. Testing	61	11 (18.0)	10-83	NS
		Netherlands	frequencies 250-8000Hz				
Duggal[25]	2000-2006	India	10dB at two adjacent frequencies, 20dB at any one frequency or loss of	64	12 (18.8)	17-65	NS
			response at three consecutive frequencies where responses were				
			previously obtained. Testing frequencies 250-8000Hz				
Kennedy[45]	2004-2009	Ireland	Audiograms every six weeks. Classification based on article by	13	8 (61.5)	24-82	1/7 (14.3)
			Brummett[46]				
Peloquin[22]	1991-1998	USA	20dB at any frequency and 15dB at two adjacent frequencies both	87	32-28* (36.8-	19-79	NS
			assessed. Audiometry tested at 250-8000Hz		32.2)		
Sturdy[24]	2004-2009	UK	10dB at two adjacent frequencies, 20dB at any one frequency or	50	9 (18.0)	34.6 (12.8)**	5 (10)
			clinical symptoms of hearing loss. Frequencies not specified				

^{*}Unclear from the article

Seddon and Schaaf et al. Hearing loss in patients on treatment for drug-resistant tuberculosis. ERJ Express. June 2012

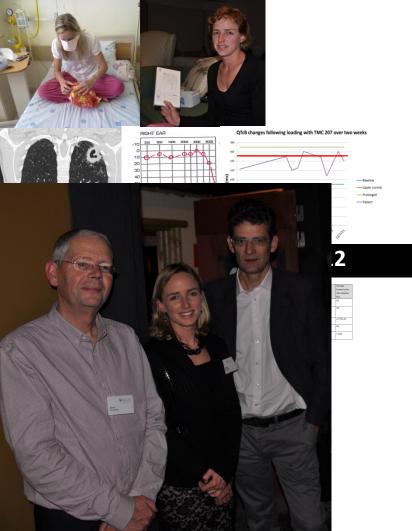
^{**}Median and standard deviation presented as age range unavailable

QTcB changes following loading with TMC 207 over two weeks



Time to 50% culture conversion: 12 weeks in the TMC207 group Time to 50% culture conversion: 12 weeks in the placebo group









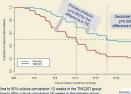
The South African Health News Service



The case for pre-approval access to bedaquiline

PRESS RELEASE:Bedaquiline is an anti-tuberculosis drug that is still being tested in clinical trials. It is not yet approved anywhere in the world, though it is steadily making progress towards approval in Europe and the United States.

Several organisations, including the Treatment Action Campaign, the Treatment Action Group, HIV i-Base, the Global Tuberculosis Community Advisory Board, Medecins Sans Frontieres and the Southern African HIV Clinicians Society have called for the drug to be made available to patients with drug-resistant tuberculosis (TB) before it is approved. This demand was made as far back as the World Lung Conference in Mexico in 2009. Yet little progress towards pre-approval access has been made in South Africa. The South African medicines regulatory authority, the Medicines Control Council (MCC), has responded sceptically.





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F.D.A. Approves Drug for Resistant Tuberculosis

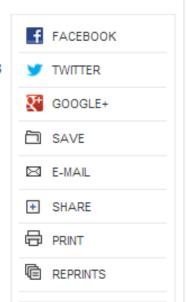
By KATIE THOMAS

Published: December 31, 2012

The Food and Drug Administration announced on Monday that it had approved a new treatment for multidrug-resistant tuberculosis that can be used as an alternative when other drugs fail.



The drug, to be called Sirturo, was discovered by scientists at Janssen, the pharmaceuticals unit of Johnson & Johnson, and is the first in a new class of drugs that aims to treat the drug-resistant strain of the disease.









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'I chose risk of death over going deaf'

After catching multidrug-resistant TB, doctor faced a stark choice

were the two options she was diagnosed with multidrug-resistant tuberculosis

seven drugs was causing hear- ical data. It will be given to paing loss. Then there was the option of a new drug - the first clinical trial. new TB drug developed in 42 years to get Food and Drug Adthe US - but the clinical trial

was already full. But the new drug came with serious side of fects, including sudden cardiac

for Von Delft, a

That was the

between going deaf or death

only people accessing it were cal trial, which difficult choice from heart attack

In April last year Von Delft applied for compassionate acministration (FDA) approval in cess to the drug. This allows patients to access unregistered drugs in the testing phase, to save their lives. At the time however the

als are still required.

trials continue. Phase three tricines Control Council has called for a fast track review of the drug, and has allowed for a clinical access programme tients at four sites as part of a

News

LOCAL MEDICINE

Newly approved TB drug stirs controversy

THE LOCAL medical industry is sidiary Janssen Pharmaabuzz with the recent approval of the ceutica's bedaquiline is controversial new TB drug, controversial because there bedaquiline. The little-tested drug is limited data on its safety, recently received the nod of approval and there is some evidence from the Medicine Control Council that it raises the risk of poten-

Dr Dalene von Delft, pictured, contracted multidrug resistant TB in 2010 infected with strains of drug resistant TB. With the threat of life-

rent TB treatment and an imminent had to take the chance," said Von Delft. end to her medical career, Von Delft was ready to try anything. Access to bedaquiline in South

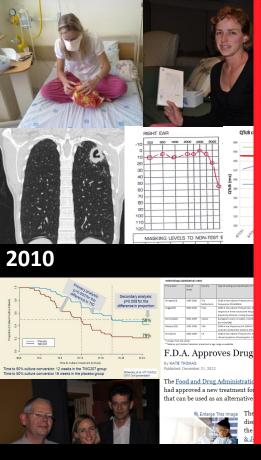
after caring for patients Africa has so far been extremely limited with access only granted to the

patients in clinical trials "As a doctor, I knew the possible long deafness from the cur-risks of the new treatment, but... I

She is now cured of TB. Dr Claudio Marra of the TB Project

SA says: "All drugs... have side effects. People die. This drug is less toxic than the one we are currently using." Marra believes the benefits of

bedaquiline far outweigh the risks.



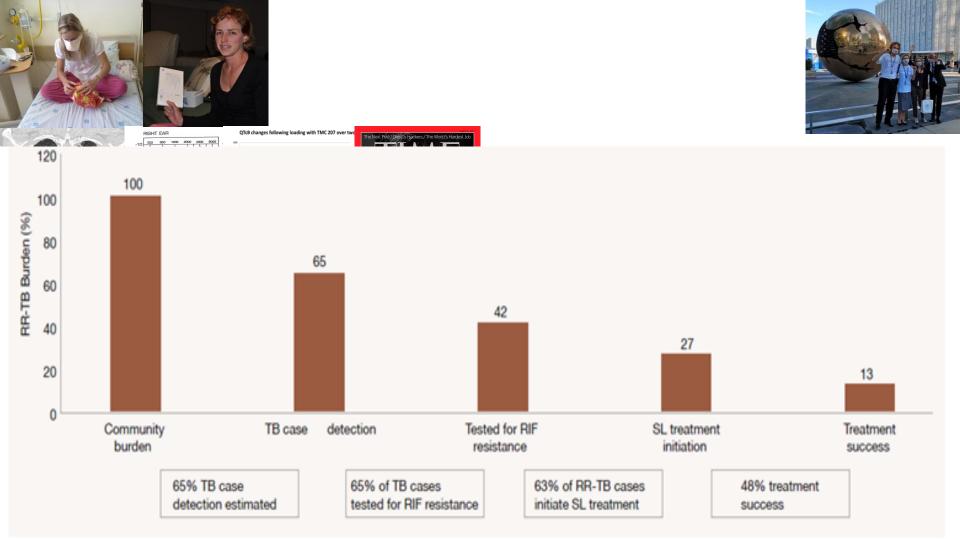


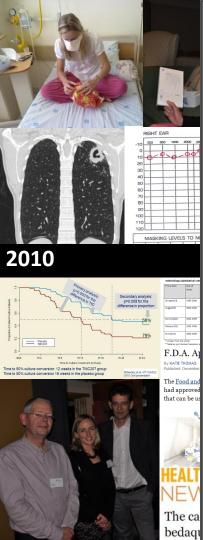


Why drug-resistant tuberculosis threatens us all

The case for prebedaquiline HETHERITE

HIERITAN MINITER





The use of bedaquiline in the treatment of multidrug-resistant tuberculosis





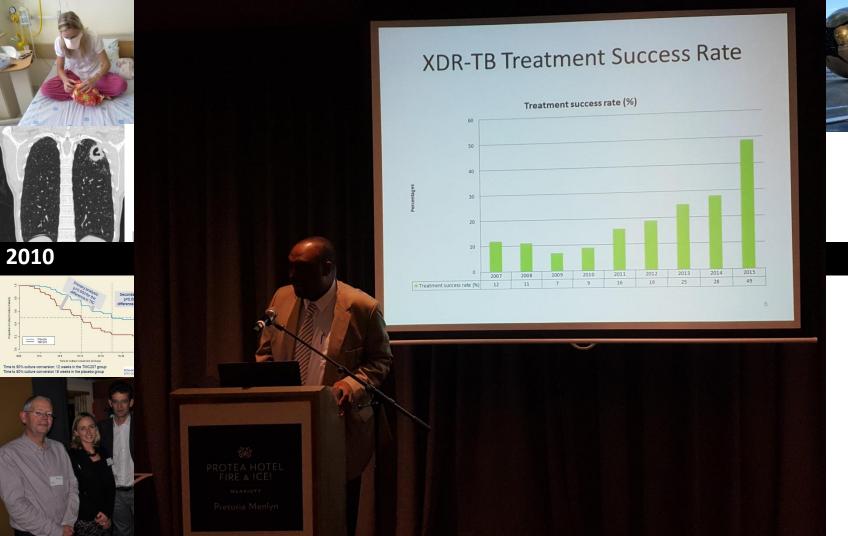




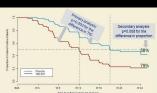












Phumeza Tisile was cured of XDR-TB with the help os MSF-sponsored linezolid.



True Life: "I will never get used to not hearing"

Activist and extensively drug-resistant tuberculosis (XDR-TB) survivor Phumeza Tisile writes about how a misdiagnosis cost her hearing and what life has been like since.

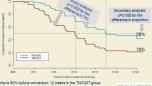
Guest Author

∰anuary 16, 2015









F.D.A. Approves Drug for Resistant Tuberculosis By KATIE THOMAS

The Food and Drug Administra had approved a new treatment that can be used as an alternat

The use of bedaquiline in the treatment of multidrug-resistant tuberculosis Interim policy guidance



The South African **Health News Service**

The case for pre-approval access to bedaquiline



RISKE **DEATH** TREATN

C i www.tbproof.org/pledge/

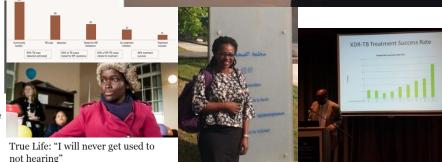
My patient's choice - the Jolene Samuels MDR-TB Pledge

My patient's choice - the Jolene Samuels MDR-TB Pledge

A carer's pledge to offer patients an informed choice between a novel drug or an injectable drug for the treatment of MDR-TB

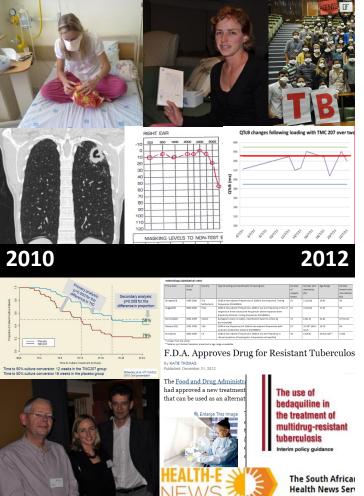
~ In loving memory of nurse Jolene Samuels, MDR-TB Champion & Cochlear Implant recipient ~











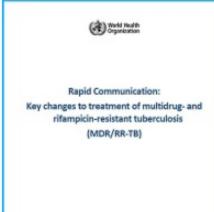
The case for pre-approval access to

bedaquiline

Rapid Communication: Key changes to treatment of multidrug- and rifampicin-resistant tuberculosis (MDR/RR-TB)

Authors:

WHO



August 2018

Publication details

Number of pages: 7 Publication date: 2018 Languages: English WHO reference number: WHO/CDS/TB/2018.18

Downloads

→ Download the Rapid Communication
¬ pdf, 834kb

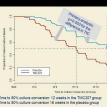
Major improvement in treatment outcomes and quality of life of patients with multidrugresistant tuberculosis (MDR-TB) are expected, following key changes in MDR-TB treatment announced by WHO in the Rapid Communication. About Global Snapshot

Country Updates

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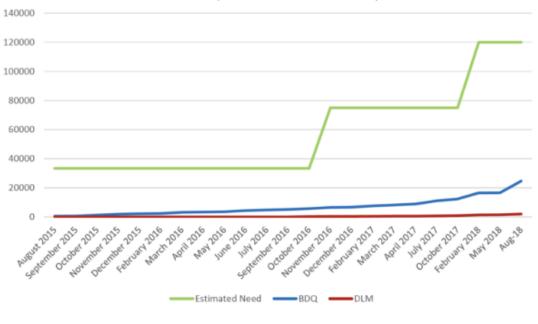
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*calculation of global estimated need for new drugs adjusted in 2016 based on the WHO Report and in 2017 based on cumulative number of patients needing new drugs







The South African



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- 28: http://www.tbproof.org/who-we-are/our-team/
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 - Regarding pricing: http://www.treatmentactiongroup.org/content/reality-check-price-of-bedaquiline