Malaysia's Experience towards Access to Hepatitis C Treatment (Sofosbuvir – Compulsory License)

Tilak Ramanaidu

Hepatitis C: Public Health Issue



500,000 PATIENTS
WERE INFECTED
WITH VIRAL
HEPATITIS C
Genotype 1 (39%)
Genotype 3 (56%)

2000

ESTIMATED
NEWLY
DIAGNOSED
PATIENTS PER
YEAR



1:10 PATIENTS
ARE FEMALE

73%

PATIENTS WERE
THOSE IN THE
PRODUCTIVE AGE
BETWEEN 26 TO 50
YEARS OLD

Guiding Principles

World Health Organisation's (WHO) Global Health Sector Strategy on Viral Hepatitis 2016-2021

 to eliminate viral hepatitis as a major public health threat by 2030

World Health Assembly (WHA) resolution 63.18:

"recognized viral hepatitis as a global public health problem and the need for governments and populations to take action to prevent, diagnose and treat viral hepatitis"



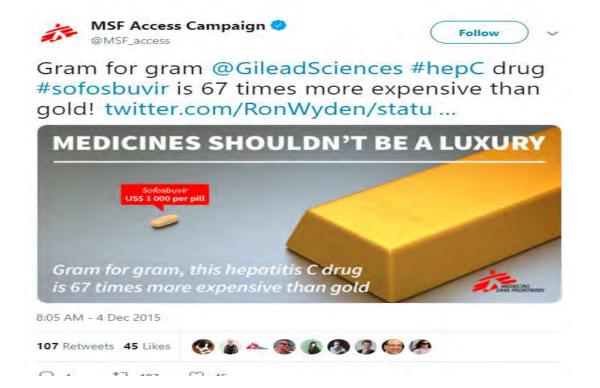
WHA resolution 67.6:

"to consider, as necessary, national legislative mechanisms for the use of the flexibilities contained in the Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS) in order to promote access to specific pharmaceutical products"

Key Challenges In Access

- Patent barriers
- Affordability

"Hepatitis C drugs like sofosbuvir are compounds that are relatively simple and cheap to make," said Dr. Andrew Hill, a pharmacologist at Liverpool University who has published a study showing that sofosbuvir could be produced for as little as \$101 for a 12-week treatment course. "Gilead has already sold over \$32 billion of two hepatitis C treatments in just over two years, with profit last year of \$18 billion. The continued profit projections for the oral hepatitis C drugs are staggering, and stand in no relation to what it costs to make these drugs."



Government Use License

- "Public non-commercial use"
- Government right (government agency, department or contractor) to use patent in the public interest without the consent of the patent holder.
- Fast-tracker approach
- No need prior negotiation with patent holder
- Payment of "Adequate Remuneration" to patent holder

Malaysian Journey

NOVEMBER 2016 - AUGUST 2017:

Series of engagements between MOH, patent office, Ministry of Domestic, Trade, Cooperatives and Consumerism (MDTCA), Ministry of International Trade and Industry (MITI) and legal advisors.

Dec 2015 Start of discussion with Patent office Malaysia

May 2016 - May 2017 A total of 8 engagements/correspondence with the patent holder



Feb 2017 Cabinet paper for CL was submitted Aug 2017 CL approved by the Malaysian Cabinet Sep 2017 Approval for CL by the Minister of MDTCC and Press Conference on CL by the Minister of Health

Oct 2017 Voluntary license (VL) inclusion

Oct 2016 Declare Hep C as public health problem

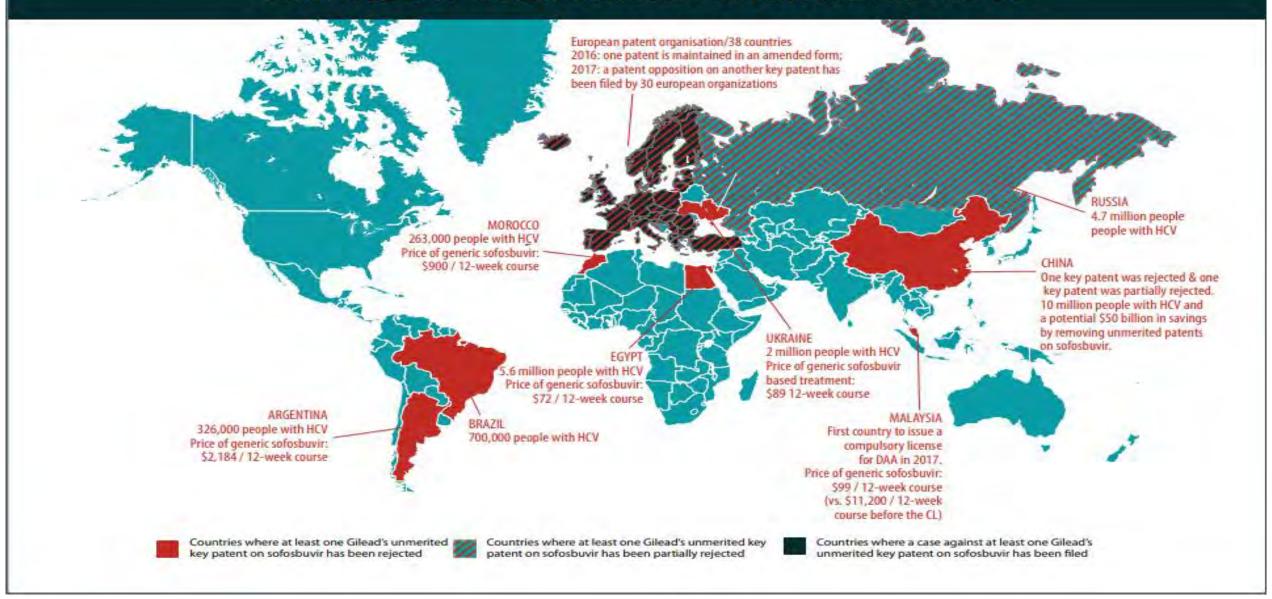
Nov 2016 Agreement between MOH and MDTCA to exercise CL

*Aug 22: Gilead Sciences (GS) letter to Minister of Health to propose adding Malaysia into the VL program

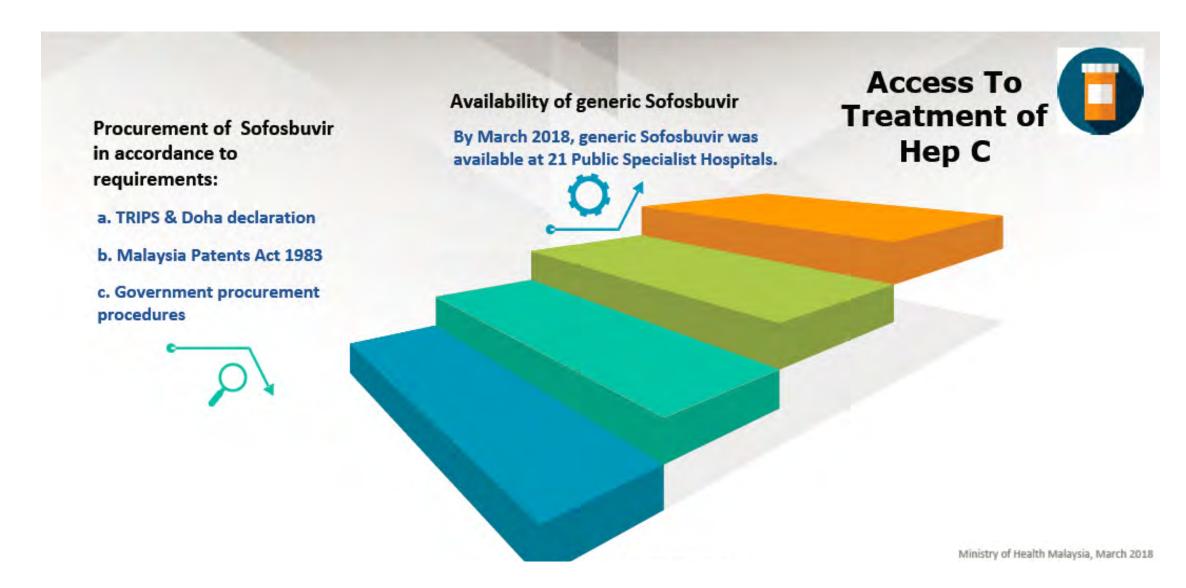
*Oct 2: GS letter to Prime Minister of Malaysia informing the inclusion of Malaysia in VL program



GLOBAL SOFOSBUVIR INTERVENTION STATUS



The Implementation Process



Challenges:

 Meetings with Patent holder /Representatives of the U.S government / Chamber of Commerce [2 Oct 2017 – 18 July 2019]



Patent Holder

Hon. Prime Minister
Hon. Minister of Health
Hon. Deputy Minister of Health
Hon. Minister DTCA
Hon. Deputy Minister MEA



US Embassy

Hon. Minister of Health Hon. Minister MITI DG of Health American-Malaysia Chamber of Commerce (AMCHAM) US Chamber of Commerce, Global Innovation Policy Center

White House Coordinator for Intellectual Property

Office of the US Intellectual Property Enforcement Coordinator

Challenges: Trade-related (301 Report)

Is Malaysia facing a US sanction on generic Hepatitis C drug?

Ahmad Wazir Aiman Mohd Abdul Wahab - February 20, 2019 8:30 AM





- The Trade associations Pharmaceutical Research and Manufacturers of America (PhRMA) and Biotechnology Innovation Organization have called for Malaysia to be placed on the US Trade Representative's Priority Foreign Countries watch list in its "2018 Special 301 Report".
 - The Government of Malaysia submitted our response through MITI U.S. In April 2018, the final report did not include Malaysia in the Priority Foreign Countries watch list. However, USTR announced that it will initiate Out of Cycle review for Malaysia to promote engagement and progress on specific IP opportunities and challenges.
- Again in 2019, PhRMA and BIO have called for Malaysia to be placed on the US Trade Representative's Priority Foreign Countries watch list in its "2019 Special 301 Report".
- Due for Out of Cycle Review 2019 in October

NGOs Support letter to Malaysia

10th December 2015

YAB TUN DE, MAHATHER BEN MOHAMAD DRIVER MEMORITER Prime Minister's Office. Mass Block, Perdiess Patra Beilding, Federal Government Administrative Centre. 62502 FUTRAJAYA.

paper Poster, not may

AR DR. HAJE DZULKEPLY BIN ARMAD MINISTER OF HEALTH

Ministry of Health, Arao 13, Blok E7, Kompleks E. 61590 PUTRAJATA dringly mol gov my

YB DATO: SAIFUDDIN NASUTION BIN ISM Minister of Domestic Trade and Consumer Affairs Arao 13, No. 13, Persiana Perdana,

Present 2. 63533 PUTPATAYA has set a bundance's precedent for other governments to fallow, as it is the first such license in the world for accessing affordable MCV tecrment

We would like to resilies that the Malaysian GU bresses is reseasiant with Article 11 of the WTO. TEEPS Agreement. We also recall purposals 4 of the 2001 WTO Ministerial Declaration on TRIPS and Public Health which states, "the TRIPS Agreement door not and about our process Manthers from taking measures to protect policy health. The paragraph due affirm that "the Agraement can and chould be interpreted and implemented in a manner supportive of #TO Members' right to protect public Evolth and, in particular, to promote access to medicines for all."

Further numerous expert reports and international instruments such as the World Health Assembly

10 Dec 2018 : 74 NGOs

Is committed to promoding secons to HCV transment and mosting WHO targets, in decision to

16. Third World Network TWN), Mahyura

19. Alexand International year in Salari, Pers.

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- 27 All Budla Clear Action National (AREAN), Bullio
- 25. ARE Festudation, India
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- 26. Arker Alle Society, Bongledock
- 27. Action, Prome
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the Network of People Living with HIV (APNY). Interdomplance AIDS Accomptes (ABIA) Materials for Integration of Pasplan (Kaleny)

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sly Group, Theriand

stem Manatoring & Development Contro (DMDC), Thurland

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we strongly support the GU that offers the Government the best. option for urgently procuring HCV treatment at a price that MOH to

sustainably scale up and make treatment available......

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to generic cofosbuvir at affordable prices.

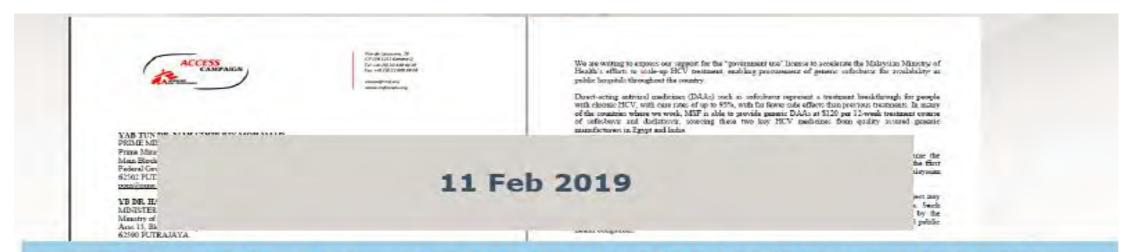
Softwhere is the backbone treatment for Hapatian C varue (MCV) infection. Globally it is estimated. that around 71 million individuals around the world are currently living with the hepatiti: C virus (MCV), with an additional 1,75 million becoming infected every year and 599,000 death; annually. In Malayma, it is estimated that at least 2.5% of the adult population is affected by hepatitis C. Many Malayanas infected with heparitis C may not even be aware of their status. Sofochusir combined with disclutioner, another direct acting anti-yead, is able to core HCV infections at high rates of success with lattle side effect. Access to direct arring marriads (DAAs), such as sefections and dislattering which

McDonald M. Dabba M. Mahamad R. Sannay H. Sacharaddin PH. Kamardanana A. (2015) Projections of the Course and Potent Disease Brandes of Hapman C Virus Infection in Malaysia. PLoS ONE 1995; a0136091. doi:10.1571/journal.pune-123000

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- 16. Piak Triangle Foundation. Malaysia
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- 71. Working Group on Intellectual Property (GTPD, Board
- 12. Universities Albed for Emerical Medicines Brazil (UAEM Brazil)
- 73. Usha Multipurpose Co-operative Society Limited, India
- 74. Yoka Public Haalth & Innevation.

MSF Support letter to Malaysia



....we are writing to express our support for the 'government use' licence to accelerate the MOH's effort to scale HCV treatment.....



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Els Topeste

Executive Director.

MSF Access Compage

HCV and DNDI: Malaysian experience





Hep C aid for free

Treatment of Hepatitis C with the drug sofosbuvir is now free for patients at 18 government hospitals. This comes after Malaysia initially brought down the cost of a full course from RM300,000 to just RM1,000 after its bold step of invoking the compulsory licence to import or make a generic version of the antiviral. The move will benefit 23,000 Hepatitis C patients currently registered with the Health Ministry, and ultimately the 400,000 nationwide who have the infection. > See Page 4 for reports by LOH FOON FONG and CLARISSA CHUNG

2,000 patients to get free Hep C treatment this year

18 government hospitals nationwide to provide treatment

Hep C patients registered with the ministry

400,000 patients estimated to benefit nationwide

MALAY MAIL Friday April 13, 2018

M'sian trials lead to vastly cheaper hepatitis C drugs

PETALING JAYA - Treatment for hepatitis C used to cost nearly-RM120,000 for a 12-week course, but now can be done for less than RM2.000 - a drop of more than 98 per cent - thanks to trials of an experimental drug in Malaysia.

Non-profit research development organisation Drugs for Neglected Diseases initiative (DNDi) presented the result of its combination treatment, which yields cure rates as high as 97 per cent and would benefit millions of people, at the International Liver Conference in Paris.

"The results indicate that the sofosbuvir/ravidasvir combination is comparable to the very best hepatitis C therapies available today, but it is priced affordably and could allow an alternative option in countries excluded from pharmaceutical company access programmes," said its executive director Dr Bernard Pecoul in a statement on its website

Patient who watched his friends die finally has hope

Free Hepatitis C treatment for all



2,000 patients need not pay at government hospitals this year

This is a long-awaited moment for atients. Now, we are able to use a generic

drug which can

NGOs laud ministry's efforts as a win for public health





Non-profit's \$300 hepatitis C cure as effective as \$84,000 alternative

Exclusive: 71 million people stand to benefit from reduced price treatment for virus which can lead to liver cirrhosis, cancer and death

Julia Kollewe

Thu 12 Apr 2018 06,00 BST

An affordable hepatitis C treatment has been shown to be safe and effective, with very high cure rates for patients including hard-to-treat cases, in interim clinical trial results that offer hope to the 71 million people living with the disease worldwide.

The treatment is expected to cost \$300 for 12 weeks, or \$3.50 per day, in Malaysia, where trials were conducted along with Thailand - a fraction of the cost of other hepatitis C medicines produced by major drugmakers, which often run to tens of thousands of dollars.

The Drugs for Neglected Diseases initiative (DNDi), a not-for-profit organisation, is working with the Egyptian drugmaker Pharco Pharmaceuticals to bring a combination treatment of two hepatitis C tablets, ravidasvir (a new drug) and sofosbuvir, to countries that cannot afford to pay the high prices charged by US companies Gilead and AbbVie. This is taking longer than expected but has moved a big step closer with the latest results.

The interim results of the phase II/III trial of 301 people will be presented in Paris on Thursday. It has been funded by Médecins Sans Frontières, one of DNDi's founding partners which also



NGOs laud ministry's efforts as a win for public health

NATION

Tuesday, 20 Mar 2018

PETALING JAYA: NGOs are happy that patients can now be cured of Hepatitis C after the Government issued a compulsory licence to gain access to the effective drug.

Third World Network (TWN) programmes director Chee Yoke Ling said it welcomed this longawaited day when Malaysians who needed affordable Hepatitis C treatment could finally be cured.

She said the great efforts of the Health Ministry over several years had achieved a victory for public health.

"Malaysia is now able to buy generic sofosbuvir at one of the lowest prices in the world.

"We call on the Government to provide sufficient budget to scale up treatment so that everyone who needs it will get it "said Chee vesterday

Big pharma against CL move but WHO agrees

KUALA LEMPUR: Malaysia's page move to impose companiony scener (Ch) as the drug substraint has been limitly criticised by his phar redicational companies, but has the support of the World Henith manusation (WHO).

WHO advocates universal health counting and that means acress to life-saving occument, and its head of mission and representative to Malaysia, Bronet and Singapore

the said Malaysia, in wonning to provide universal health coverage with Emited funding had decided to make softsburg available for its

healthcare systems.
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page report highlantany the plicit of about 40,000 Maleystans who have Hepaiths C. However, only a facetion coald afford the

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Malaysia

MOH to propose importing generic Hepatitis C meds

BY YISWAREE PALANSAMY MARCH 14, 2017 UPDATED: MAR 14, 2017 06:50 PM



Datuk Seri Dr S. Subramaniam says the Health Ministry will propose importing generic drugs to treat Hepatitis C. - Bernama pic

KUALA LUMPUR, March 14 - The Health Ministry will table a working paper to the Cabinet committee for approval to import of generic drugs to treat Hepatitis C.

In a parliamentary written reply to DAP's Klang MP Charles Santiago, Health Minister Datuk Seri Dr S. Subramaniam said this was due to the high price of nearly RM300,000 to treat each patient using Sofosbuvir in conjunction with other medication.

"One way to get cheaper Sofosbuvir, is to use 'hak kerajaan' (government roll), whereby the Malaysian government will be able to import generic Sofosbuvir, which is way cheaper compared to innovator Sofosbuvir, with certain conditions.

Thank you