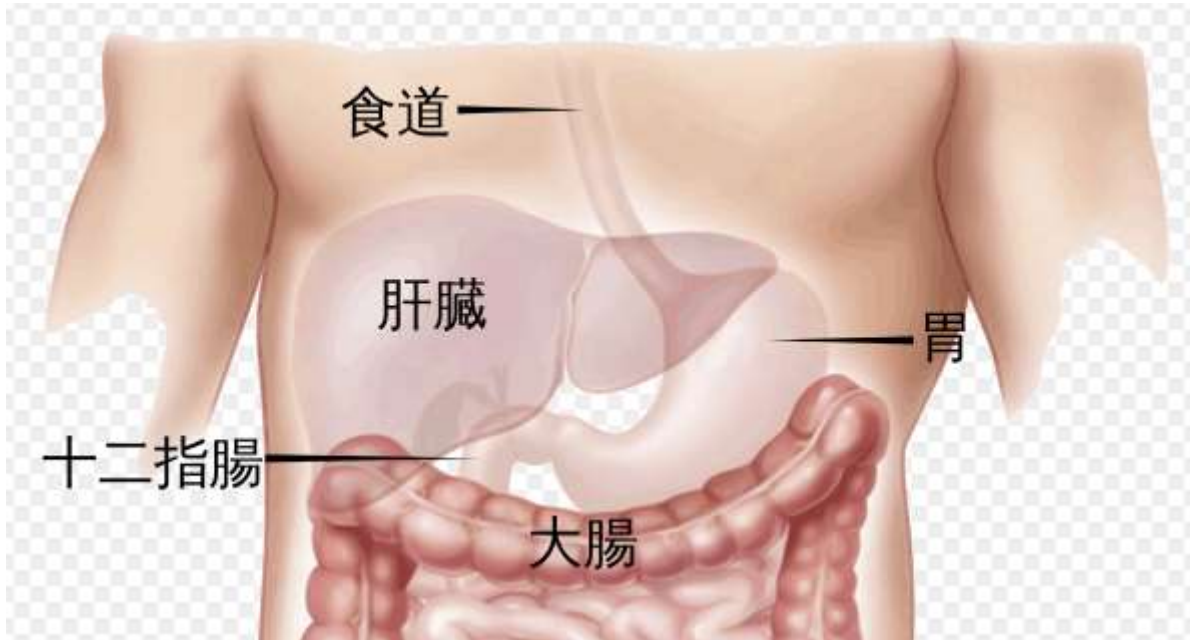


肝炎防治

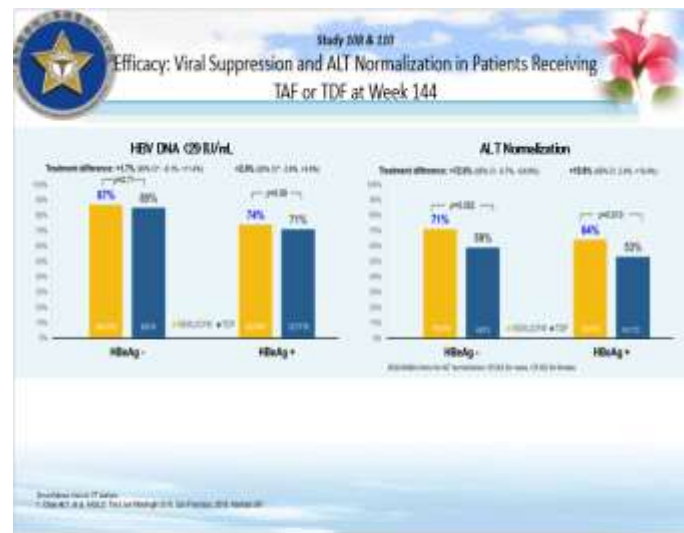
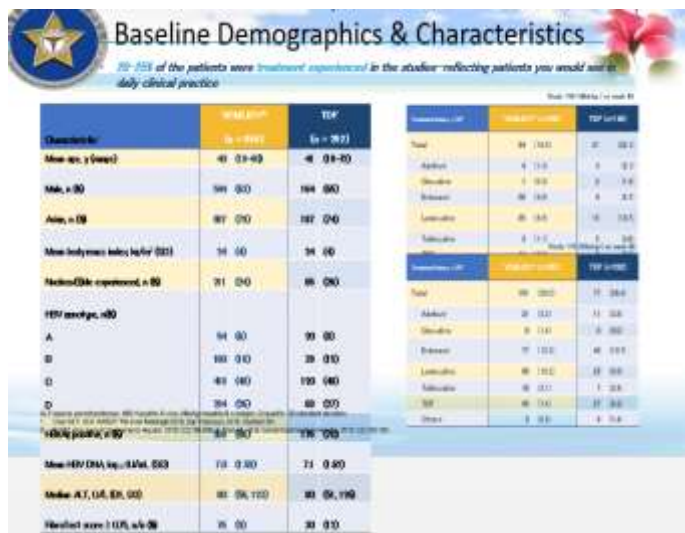


三軍總醫院松山分院教學副院長-周華康主治醫師

QR code 掃描可得到講義資料



B 型肝炎防治



Study 108 & 110

TAF Demonstrated Potent Viral Suppression and ALT Normalization With Improved Safety in CHB Patients

- In treatment-naïve and -experienced HBeAg- and HBeAg+ patients with chronic HBV, VEMLEBY[®] treatment for 144 weeks demonstrated superior antiviral efficacy:
 - High and similar rates of viral suppression compared with TDF treatment
 - Higher rates of ALT normalization¹
- VEMLEBY[®] was safe and well tolerated in patients with HBeAg- and HBeAg+ patients
 - Grade 3-4 AEs, SAEs, and discontinuation due to AEs were similar to TDF
- Less impact on renal and bone safety parameters through week 144
 - Continued improved renal safety profile compared with TDF
 - Significantly smaller decreases in eGFR_{CR}
 - Smaller changes in markers of proximal tubular function
 - Continued improved bone safety profile compared with TDF
 - Significantly less declines in hip and spine BMD, with improved bone biomarkers
- No resistance to VEMLEBY[®] was detected through week 144

AE= adverse event; ALT=alanine aminotransferase; BMD=bone mineral density; eGFR=estimated glomerular filtration rate; Control QoL=quality of life; HBsAg=hepatitis B surface antigen; HBeAg=hepatitis B e antigen; TDF=tenofovir disoproxil fumarate; VEMLEBY=Vemlidy. ¹Chapman J, et al. AASLD The Liver Meeting 2018, San Francisco 2018. Abstract 1013.1 and 1013.2 and AASLD 2018 Abstract 1013.1 and 1013.2

TRIO Registry (Real-World US Clinical Practice)

Vemlidy Demonstrate Effective in Asian Hepatitis B Patients

94% (200/212) suppression at baseline

<2K IU/mL (n=200) **>2K** IU/mL (n=12)

99% (205/206) suppression after 6+ months TAF

Not assessed (n=6) <2K IU/mL (n=194) >2K IU/mL (n=0) Not assessed (n=0) <2K IU/mL (n=19) >2K IU/mL (n=1)

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TRIO Registry (Real-World US Clinical Practice)

Vemlidy Showed Improvement in ALT Normalization

13% **17%**

Normal ALT	Baseline to 6-12mths comparison		Baseline to 13-18mths comparison	
	Paired Baseline	Result between 6-12mths	Paired Baseline	Result between 13-18mths
%	73%	86%	70%	87%
n/N	135/185	160/185	88/126	109/126
	p=0.002		p=0.001	

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TRIO Registry (Real-World US Clinical Practice)

Vemlidy Showed Improvement in eGFR

Mean eGFR increased 4% after 6mths of TAF treatment

eGFR mL/min Mean (SD)	Paired Baseline	Results between 6-12mths	Absolute (%) difference 6-12mths
All Patients	86.5 (10.9) n=179	90.1 (10.5) n=179	3.7 (4.2%) p<0.001
Baseline <60 mL/min	48.7 (7.8) n=10	56.1 (12.1) n=10	7.4 (15.1%) p<0.001
Baseline ≥60 mL/min	90.5 (14.6) n=161	93.9 (14.9) n=161	3.3 (3.6%) p<0.001

Mean eGFR increased 5% after 12mths of TAF treatment

eGFR mL/min Mean (SD)	Paired Baseline	Results between 12-18mths	Absolute (%) difference 12-18mths
All Patients	86.2 (17) n=120	90.6 (16.4) n=120	4.4 (5.1%) p<0.001
Baseline <60 mL/min	53.6 (5.7) n=9	63.3 (13.8) n=9	9.7 (18.1%) p=0.041
Baseline ≥60 mL/min	83.8 (14.7) n=111	92.8 (14.5) n=111	4 (4.4%) p<0.001

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Careful Considerations Needed to be Made for a Broad Patient Population We Face in Our Clinic

Efficacy Factors

- Treatment Naïve
- Treatment Experienced (Relapsed)
- Chronic Hepatitis
- Robust DNA Suppression
- No Drug Resistance
- High ALT Normalization

Safety and Adherence Factors

- Renal Impairment
- Aging
- Sub-optimal response
- Good Safety
- Less Dose Adjustment
- High Patient Adherence

Expert Center

High Adherence with Simple Dosing

No Dose Adjustment Administration With Low Food Restriction High Adherence¹

COMPLIANCE COMPLIANCE COMPLIANCE

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Dosage Adjustment of NUCs Based On the Renal Function of CHB Patients

Renal Function eGFR (mL/min/1.73 m ²)	ETV (0.5 mg)	TDF (300 mg)	TAF (25 mg)
≥ 50	0.5 mg every day	300 mg every day	25 mg every day
30–49	0.5 mg every 48 hours	300 mg every 48 hours	25 mg every day
15–29	0.5 mg every 72 to 96 hours	300 mg every 72 to 96 hours	25 mg every day
< 15 (on Hemodialysis)	0.5 mg every 7 days or after approximately 12 hours of dialysis	300 mg every 7 days or after approximately 12 hours of dialysis	25 mg every day (after dialysis)
< 15 (not on Hemodialysis)	0.5 mg every 7 to 10 days	300 mg every 7 to 10 days	

TAF: approved product information for ETV, TDF, and TAF

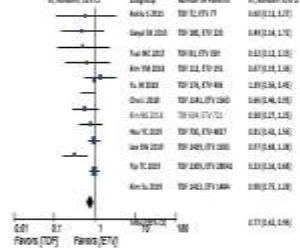
Clinical Goals of CHB Treatment



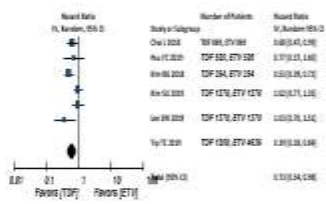
1. Terrault NA, et al. Update on Prevention, Diagnosis, and Treatment of Chronic Hepatitis B. AASLD 2018 Hepatitis B Guidance.
2. EASL J Hepatol. 2017 Aug;70:270-301.
3. Sorrell RF, et al. Hepatitis B. 2016. In: UpToDate. 2016.
4. Other RF, et al. Asian Consensus Statement on the Management of Chronic Hepatitis B. J Formos Med Assoc. 2015 Jun;115:128.

TDF vs ETV on Risk of HCC in Patients with CHB in Meta-Analysis in Favour of TDF

Forest plot of pooled HR for HCC between TDF and ETV



Forest plot of pooled HR for HCC between TDF and ETV in PSM cohorts



Study 108 & 110 – Impact of TAF or TDF on HCC Result: Observed vs Predicted Cases of HCC (All Cases) Treatment Demonstrated Less Onset of HCC vs Predictor

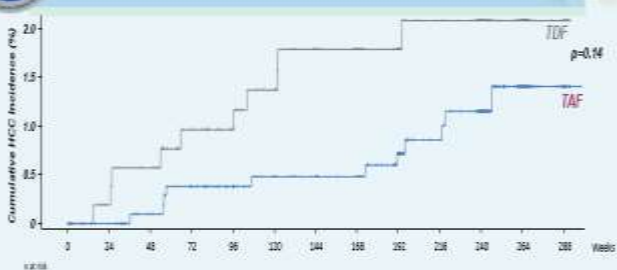
Two Phase 3, randomized, DB, active-controlled trials (global and China cohorts)
HBeAg-negative patients & Study 110 (N=1020) HBeAg-positive patients

● Observed cases, n=21 ● REACH-B-predicted cases, n=50

SIR (95% CI):
0.42 (0.27, 0.64);
p < 0.001

HR is Standardized Incidence Ratio of observed cases/predicted cases as determined by REACH-B.
Luo P-Q, et al. AASLD 2018, 154

Study 108 & 110 – Impact of TAF or TDF on HCC Results: HCC Incidence and Onset



	TAF, n=519	TDF, n=519	Total, n=1032
HCC cases, n (%)	11 (2.1)	10 (1.9)	21 (2.0)
Double-blind phase, n (%)	5 (0.9)	6 (1.2)	11 (1.1)
Open-label TAF phase, n (%)	6 (1.2)	4 (0.8)	10 (1.0)
Median time to HCC onset, wk (Q1, Q3)	175 (96, 227)	81 (35, 122)	104 (55, 182)

Luo P-Q, et al. AASLD 2018, 154

Study 108 & 110 – Impact of TAF or TDF on HCC Observed vs Predicted Cases of HCC (By Treatment) TAF Demonstrated significantly less onset of HCC

● TAF observed cases, n=11
● REACH-B-predicted cases, n=32

SIR (95% CI):
0.35 (0.19, 0.62);
p < 0.001

● TDF observed cases, n=10
● REACH-B-predicted cases, n=18

SIR (95% CI):
0.55 (0.30, 1.02);
p=0.058

Cumulative Onset of HCC Cases

HR is Standardized Incidence Ratio of observed cases/predicted cases as determined by REACH-B.
Luo P-Q, et al. AASLD 2018, 154



Benefit Your Treatment Naïve and Relapsed Patients with Vemlidy

- The potent nucleotide analogue with high barrier to resistance, Vemlidy (TAF), is the recommended treatment of choice for all appropriate CHB patients
- Keeping in mind the long-term treatment goal of CHB is HCC reduction, as there may be some differences between NUCs, therefore, clinical consideration for robust efficacy on viral suppression, ALT normalization, no resistance, long-term tolerability is rendered



C型肝炎防治

Starting with the main therapeutic goals of reducing HCC risk in mind for your broad patient population

- Sustained Viral Suppression (Potent, Low resistance, and Safe)
- Enhanced ALT Normalization Rate
- Simple Dosing to Enhance Compliance

- 按一下以新增副標題



最新C肝口服抗病毒藥物 EPCLUSA® (Sofosbuvir/velpatasvir) 宜譜莎



The Features, Attributes and Benefits of Epclusa® EPCLUSA® 宜譜莎的特色、優勢與益處

2030 前滅除肝炎
Eliminating Hepatitis by 2030

2016 World Health Organization

Combating HBV and HCV to reach elimination by 2030

Background

HBV and HCV: A heavy burden of mortality that is increasing
In 2013, viral hepatitis was a leading cause of death worldwide (1.46 million deaths, a toll higher than that from HIV, tuberculosis or malaria, and on the increase since 1990)

Combining prevention and treatment to combat hepatitis makes elimination feasible

- ✓ Prevention needs
- ✓ New medicines
- ✓ Reaching five service coverage

Prevention
Medicine
Service

World Health Organization. Combating hepatitis B and C towards elimination by 2030. Advisory panel. Available at: <https://www.who.int/hepatitis/publications/hepatitis-elimination-by-2030-advisory-panel> (Accessed on 2019/6/20).
HCV, hepatitis C virus; HBV, hepatitis B virus; WHO, World Health Organization

WHO 2030 C型肝炎滅除之願景、目標、方法
WHO Hepatitis Elimination Vision, Mission and Service by 2030

Service

Treatment:
90% Diagnosis of HCV infected patients
80% Eligible HCV patients treated

(Vaccination)
Prevention:
100% Blood donation screening
Injection safety
90% Use of engineered devices
Harm reduction

Mission

- 65% Reduction in mortality
- 90% reduction in new HCV infection

Vision

2030 HCV Elimination

World Health Organization. Combating hepatitis B and C towards elimination by 2030. Advisory panel. Available at: <https://www.who.int/hepatitis/publications/hepatitis-elimination-by-2030-advisory-panel> (Accessed on 2019/6/20).
HCV, hepatitis C virus; HBV, hepatitis B virus

台灣 C 肝治療成果



WHO HCV Guidelines, 2015/2016

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減除 C 肝的步驟 (評估-選材-監測)

The process to HCV elimination



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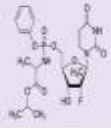
Epclusa® 宜譜莎 Sofosbuvir (SOF) / Velpatasvir (VEL)

A single tablet regimen

Sofosbuvir¹
400 mg

HCV nucleotide analog
NS5B polymerase inhibitor

- Potent antiviral activity against HCV GT1-6



Velpatasvir^{2,3}
100 mg

HCV NS5A inhibitor

- 2nd-generation NS5A inhibitor with improved resistance profile
- Long half-life of ~13-23 h supports once-daily dosing
- No food effect



1. Prescribing information of SOFOSBUVIR tablets with epclusa® tablets, J. Cheng et al. (2015), 2015, page 1001-1010, Gilead Sciences, Inc. (2015), page 1001-1010.
2. Prescribing information of VELPATASVIR tablets with epclusa® tablets, J. Cheng et al. (2015), 2015, page 1001-1010.
3. Prescribing information of VELPATASVIR tablets with epclusa® tablets, J. Cheng et al. (2015), 2015, page 1001-1010.

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EPCLUSA® 宜譜莎 2018年12月取得衛生福利部藥品許可證

- 適應症：
 - Epclusa 適用於治療成人慢性 C 型肝炎病毒 (HCV) 基因型 1、2、3、4、5 或 6 之感染。
- 用法用量：
 - Epclusa 的建議劑量為每日一次隨食物或不隨食物口服一錠。
- 肝機能不全：
 - 對輕度、中度或重度肝機能不全 (Child A、B 或 C 級) 患者，並不須調整 Epclusa 的劑量。曾對對伴有 Child B 級肝硬化患者評估過 Epclusa 的安全性與療效，但尚未對伴有 Child C 級肝硬化的患者進行過這方面的評估。
- 腎機能不全：
 - 對輕度或中度腎機能不全的患者，並不須調整 Epclusa 的劑量。目前尚未對對重度腎機能不全 (估計腎絲球體過濾率 (eGFR) < 30 毫升/分鐘/1.73 平方米) 或患有須接受血液透析治療之末期腎病 (ESRD) 患者評估過 Epclusa 的安全性與療效。

適應症	建議劑量
未經接受治療且無肝硬化，無併發肝硬化及併發肝硬化患者	Epclusa 12 週
未經接受治療且曾接受治療，併發肝硬化及併發肝硬化患者	Epclusa + ribavirin 12 週

宜譜莎 (Epclusa) 宜譜莎 (Epclusa) 宜譜莎 (Epclusa)

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4 PI-Free

PI, protease inhibitor

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PI, protease inhibitor

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Epclusa® 宜譜莎 Sofosbuvir (SOF) / Velpatasvir (VEL)

Prescribing information in Taiwan

Indication

Adult patients* with chronic HCV Genotypes 1, 2, 3, 4, 5 or 6 infection

* Treatment-naïve, treatment-experienced, co-infected with HIV or post liver transplant

Regimen

Epclusa® 12 weeks

Patients **without** cirrhosis or **with compensated** cirrhosis
Epclusa® + RBV 12 weeks

Patients with **decompensated** cirrhosis

Pan-Genotypic

Pan-Fibrotic

2017/12/15 (Rev. 1.1)

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- 4 PI-Free**

PI: protease inhibitor

Epclusa® 宜譜莎在基因型1-6的第三期人體試驗
Phase III Trials: Epclusa® in Patients with HCV GT1-6

Study design

ASTRAL-1¹

Week 0	Week 12	Week 24	
TN and TE	GT1, 2, 4, 5	SOFVEL 400/100 mg/d n = 583	SVR12
		Placebo n = 116	SVR12
	GT5	SOFVEL 400/100 mg/d n = 35	SVR12

ASTRAL-2²

Week 0	Week 12	Week 24	
TN and TE	GT2	SOFVEL 400/100 mg/d n = 134	SVR12
		SOF 400 mg/d + RBV n = 132	SVR12

1. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51. 2. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51.

Epclusa® 宜譜莎在基因型1-6的第三期人體試驗
Phase III Trials: Epclusa® in Patients with HCV GT1-6

Study design

Week 0	Week 12	Week 24	Week 36	
ASTRAL-3 ³	TN and TE	GT3	SOFVEL 400/100 mg/d n = 277	SVR12
			SOF 400 mg/d + RBV n = 275	SVR12
ASTRAL-4 ²	TN and TE	GT 1, 4, 6	SOFVEL 400/100 mg/d n = 90	SVR12
			SOFVEL 400/100 mg/d + RBV n = 87	SVR12
ASTRAL-5 ²	WT/HCV	GT 1, 4	SOFVEL 400/100 mg/d n = 106	SVR12
	co-infected TN and TE			

1. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51. 2. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51. 3. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51.

Epclusa® 宜譜莎12週療程臨床試驗資料:
在基因型1顯示高療效
Epclusa® for 12 Weeks Resulted in High SVR12 Rates in GT1a/b Patients^{1,2}

GT1 Overall SVR12* (PP:99%)

98% 99% 100% 99% 97% 100%

n/N = 286/219 179/172 0/0 112/118 57/59 70/70

*Data included GT1 patients in trials

1. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51. 2. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51.

Epclusa® 宜譜莎12週療程臨床試驗資料:
在基因型2顯示高療效
Epclusa® for 12 Weeks Resulted in High SVR12 Rates in GT2 Patients^{1,4}

GT2 Overall SVR12* (PP:100%)

100% > 99% 100% 100%

n/N = 104/104 133/134 53/53 7/7

*Data included GT2 patients in trials

1. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51. 2. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51. 4. Nelson CM, et al. *Hepatology*. 2015;61(3):845-51.

Epclusa® for 12 Weeks Resulted in High SVR12 Rates in GT3 Patients^{1,2}



The efficacy of pan-genotypic DAAs might be impacted by GT 3 RASs



Epclusa® ± RBV achieve high SVR12 for GT3 HCV patients in Real World Data

Epclusa® for 12 Weeks Resulted in High SVR12 Rates in GT4 Patients^{1,2}



Eplusa® for 12 Weeks Resulted in High SVR12 Rates in GT5 & 6 Patients^{1,2}



Real-World Studies: Epiclusa® for 12 Weeks Resulted in High SVR12 Rates

Prospective analysis of a representative Italian cohort involving TN and TE patients (n = 474) with chronic HCV GT1-5 infection.



Short Summary of Pan-Genotypic

Clinical trials

Overall SVR12 99%

Genotype	SVR12
Gr1	99%
Gr2	99.7%
Gr3	96%
Gr4	99%
Gr5	97%
Gr6	100%

PP

Genotype	SVR12
Gr1	99%
Gr2	100%
Gr3	97%
Gr4	99%
Gr5	100%
Gr6	100%

Real-world evidence (PP)

Genotype	SVR12
Gr1	99.6%
Gr2	97.6%
Gr3	98.8%
Gr4	100%
Gr5	100%
Overall	99.2%

Pan-Genotypic

*Data include patients from several trials

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EPCLUSA® 宜譜莎在“泛基因型”的特色與優勢

Epclusa® Features and Attributes for **Pan-Genotypic**





Pan-Genotypic

GT1-GT6
均有高SVR12

- 不需要考慮基因型
- 避免基因檢測錯誤
- 避免未知的混合基因型

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METAVIR 計分系統：肝纖維化評估與分級
METAVIR Scoring System: Evaluation and Staging of Liver Fibrosis

Using METAVIR scoring system to assess the degree of liver fibrosis^{1,2}:

No fibrosis Portal fibrosis with rare septa Compensated Cirrhosis Decompensated cirrhosis

F0 F1 F2 F3 F4 CTPA F4 CTPB F4 CTPC HCC

Portal fibrosis without septa Numerous septal without cirrhosis Cirrhosis

Child-Pugh score is used to assess the severity of liver function impairment¹.

CTP: Child-Turcotte-Pugh; HCC: hepatocellular carcinoma.

**Epclusa® 宜譜莎併用雷巴威林
在非代償性肝硬化病患顯示高療效**
Epclusa® + RBV Achieved High SVR Rates in GT1-4 Patients with Decompensated Cirrhosis

F4 ASTRAL-4

**267 patients with HCV GT1-6 infection and
decompensated cirrhosis (F4, CTPB)***

SVR12 rates by GTs: Epclusa® + RBV group

Overall SVR12: **94%** (PP:96%)

"Treatment with Epclusa® with ribavirin for 12 weeks resulted in high rates of SVR in patients with HCV infection and decompensated cirrhosis."

*267 patients with GT1-6 in CTPB class + RBV group. Copyright © 2014 Bristol-Myers Squibb. All rights reserved.

SOVEL+RBV for 12 Weeks in Patients with CPT-C Decompensated Cirrhosis

Phase 2, single-arm, open-label study in patients with any GT and CTP score of 10-12

Baseline Demographics	
	N=32
Male, n (%)	26 (81)
Age, mean (range)	55 (39-77)
White, n (%)	18 (56)
GT 1/2/3, %	56/16/28
Mean-MCV-PNV, log ₁₀ [SD]	5.2 (1.6)
HCV RNA >100,000, n (%)	9 (28)
CTP class, n (%)	
8 (I-9)	9 (28)
C (10-15)	23 (72)
MELD score, n (%)	
10-15	13 (41)
16-20	17 (53)
21-25	2 (6)

SAEs (TT)	(PF)
1	0

目前并未显示相关性。

Safety	
	N=32
Any AE	21 (65)
Grade 3-4 AE	11 (34)*
Serious AE	17 (53)*
AE leading to S/C	2 (6)
Death	0 (25)*
Grade 3 Lab Abnormalities	11 (34)
Low lymphocyte	4 (13)
Low platelet	4 (13)
Hypertibrinemia	6 (19)
Hyperviscosity	5 (16)
Grade 4 Lab Abnormalities	7 (22)
Hypertibrinemia	5 (16)

*Treated to completion; *Death 4 cases and Death 4 respiratory distress followed by cardiac arrest, both resulting in death

Epclusa® 宜譜莎12週療程在F3/F4纖維化病患的療效 Epclusa® for 12 weeks in Patients with F3/F4 Fibrosis

F3/4 Retrospective analysis of ASTRAL-1,2,3



Epclusa®
for 12 weeks



501 patients with HCV GT1-6 infection and
advanced fibrosis (F3) or compensated cirrhosis (F4)

SVR12 rates, overall and by fibrosis status

(ITT) 目前無法顯示此圖表。



Overall SVR12
F3/4 **98%**

Epclusa® is highly effective in
patients with advanced fibrosis or
compensated cirrhosis

Assef T, et al. Liver Int. 2015;35:430-435

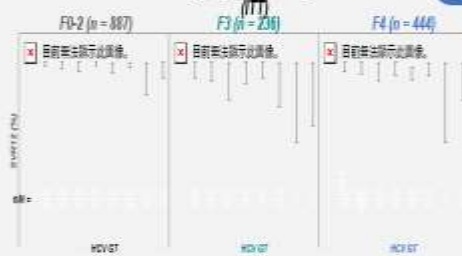
HCV: hepatitis C virus; ITT: intent-to-treat; SVR: sustained virological response; F3: fibrosis stage 3; F4: fibrosis stage 4

Epclusa® 宜譜莎在泛纖維化病患顯示高療效 Epclusa® is Highly Effective Across All GTs Regardless of Degree of Fibrosis

F0-4 Retrospective analysis of ASTRAL-1,2,3 and POLARIS-2,3

Overall SVR12
F0-4 **98%**

SVR12 rates (%), by GTs and degrees of fibrosis



Leinisch E, et al. Hepatol. 2015;62:251-255

GTs: genotypes; SVR: sustained virological response; ITT: intent-to-treat

Epclusa® 宜譜莎在義大利真實世界 不論肝硬化均顯示高療效 Epclusa® is Highly Effective in Italian Patients Regardless of Cirrhosis

Regional registry in Italy



Epclusa®
for 12 weeks*



1102 patients with HCV GT1-4, 6
infection and with/without cirrhosis

SVR 12 rates, overall and by FIB-4 index

(ITT) 目前無法顯示此圖表。



Overall SVR12
F0-4 **>98%**

Real World study in Italy showed that
Epclusa® is highly effective
regardless of cirrhosis status

* In 90.9% of patients; others received Epclusa® for 24 weeks with ribavirin.

Margolis A, et al. J Hepatol. 2015;62:1022-1028

HCV: hepatitis C virus; ITT: intent-to-treat; SVR: sustained virological response; FIB-4: FIB-4 index; F0-4: fibrosis stage 0-4

Epclusa® 宜譜莎在基因型第三型 不論肝硬化均顯示高療效 Epclusa® ± RBV Achieved High SVR Rates in GT3 Patients Regardless of Cirrhosis

Prospective multicenter cohort study in Germany (GECCO)



139 patients with HCV GT3 infection with/without cirrhosis
(FibroScan > 12.5 KPa or APRI > 2)

SVR4/12 rates, overall and cirrhosis

(PP) 目前無法顯示此圖表。



Overall SVR4/12
F0-4 **100%**

0 patients
discontinued due to AEs.

No
unexpected side effects.

Chenais C, et al. J Hepatol. 2015;62:1029-1035

RBV: ribavirin; SVR: sustained virological response; ITT: intent-to-treat; PP: per-protocol; F0-4: fibrosis stage 0-4; AEs: adverse events

Epclusa® 宜譜莎歐美真實世界大量病患資料: 在所有基因型不論肝硬化均顯示高療效 Epclusa® Achieved High SVR12 Rates in GT1-6 Patients Regardless of Cirrhosis

12 cohorts study in 7 countries across EU, North-America and Canada*



5541 patients with HCV GT1-6 infection with/without cirrhosis

SVR12/24 results by fibrosis stage (PP)

98.9% 98.7% 97.6% 97.2% 98.0%

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Overall SVR12
F0-4 **98.5%**

High effectiveness of Epclusa®
for 12 weeks
regardless of fibrosis stage

Glaxo Hepatitis, Inc. (Glaxo Hep)

SVR: sustained virological response; ITT: intent-to-treat; SVR12/24: sustained virological response at 12/24 weeks; F0-4: fibrosis stage 0-4

Epclusa® 宜譜莎美國真實世界資料: 在所有基因型不論肝硬化均顯示高療效 Epclusa® Achieved High SVR Rates in GT1-6 Patients Regardless of Cirrhosis

Real-world evidence from the TRIO network in USA

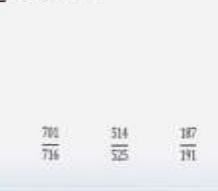


Patients with HCV GT1-6 who initiated Epclusa®

SVR12 rates: Epclusa® group (PP)

98% 98% 98%

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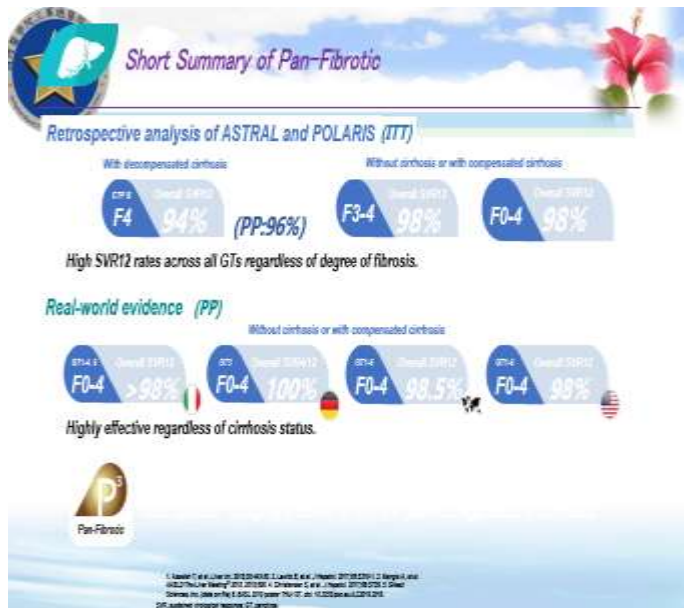


Overall SVR12
F0-4 **98%**

High SVR rates achieved with
Epclusa® (soy regardless of
cirrhosis status)

Chenais C, et al. Hepatol. 2015;62:1029-1035

SVR: sustained virological response; ITT: intent-to-treat; SVR12: sustained virological response at 12 weeks; F0-4: fibrosis stage 0-4



EPCUSA® 宜譜莎藥物特性

唯有EPCUSA可以治療之病人族群

	GT1	GT2	GT3	GT4	GT5	GT6
無肝硬化或代償性肝硬化	Other DAA EPCUSA	Other DAA EPCUSA	Other DAA EPCUSA	Other DAA EPCUSA	Other DAA EPCUSA	Other DAA EPCUSA
失代償性肝硬化	Other DAA EPCUSA	EPCUSA	EPCUSA	EPCUSA	EPCUSA	EPCUSA

宜譜莎 (EPCUSA) 宜譜莎藥物特性

EPCUSA® 宜譜莎在“泛纖維化”的特色與優勢

Epcusa Features and Attributes for Pan-Fibrotic

Pan-Fibrotic

- 唯一泛纖維化之泛基因型DAA
- 防止纖維化檢測錯誤導致處方錯誤
- 防止纖維化進展導致處方錯誤

F0-F4 都具有高SVR12

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EPCUSA 宜譜莎的安全性資料

Safety Profile of Epcusa®

Retrospective integrated safety analysis of data from ASTRAL-1, -2, and -3

Adverse Event	ASTRAL-1, -2, and -3 (n=1,235)	Placebo (n=138)
Fatigue	257 (21%)	20 (14%)
Headache	204 (17%)	30 (22%)
Nausea	189 (15%)	10 (7%)
Insomnia	87 (7%)	12 (9%)
Upper respiratory tract infection	111 (9%)	10 (7%)
Cough	57 (5%)	4 (3%)
Diarrhea	45 (4%)	4 (3%)
Pruritus	33 (3%)	3 (2%)
Stomach pain	33 (3%)	4 (3%)

ECV GENOTYPE (n=1,235)

Genotype	Placebo (n=138)	SOFVEL (n=1,097)
Serious adverse event*	0	15 (1%)
Any adverse event	88 (7%)	485 (44%)

*Serious adverse events were defined as death, life-threatening, hospitalization, or disability. Common adverse events were defined as those reported in ≥10% of patients in the placebo group.

1. Laskov T et al. Hepatology. 2019;69(5):1515-1525. 2. Laskov T et al. Hepatology. 2019;69(5):1515-1525. 3. Laskov T et al. Hepatology. 2019;69(5):1515-1525.



EPCLUSA® 宜譜莎在“無蛋白酶抑制劑”的特色與優勢
Eclipse Features, Attributes for PI-Free

PI-Free

- 副作用少
- 藥物交互作用少

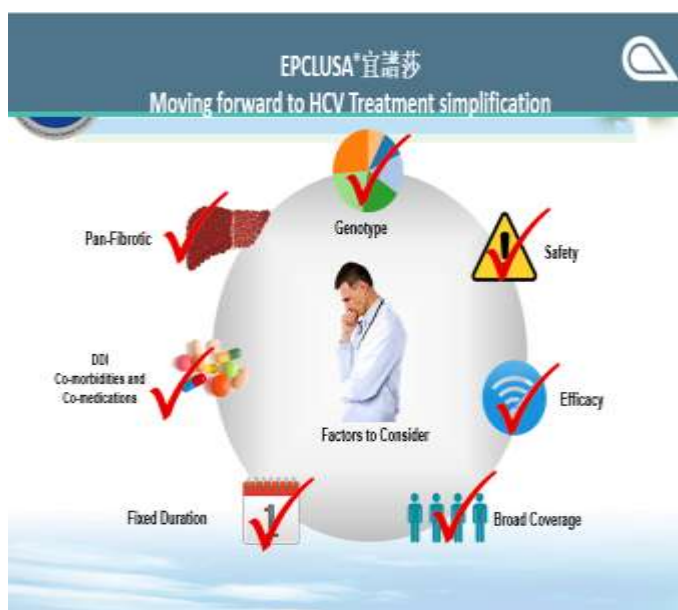
EPCLUSA® 宜譜莎
A Simple and Important Step to eliminate HCV in Taiwan

- Unique mechanism of action: First-in-class nucleotide analog NS5B polymerase inhibitor, and 2nd-generation NS5A inhibitor with improved resistance profile
 - Pan-genotypic
 - Pan-fibrotic
 - PI-Free
- Pan-Genotypic:** EPCLUSA® has been shown to have high SVR=99% in GT1,2,4,5,6 and SVR 95% in GT3.
- Pan-Fibrotic:** EPCLUSA® treatment provides better hepatic safety and high SVR rates. Epclusa+RBV achieve high SVR for patients with decompensated cirrhosis.
- PI-free regimen:** EPCLUSA® has minimal DDI concern. Safety and tolerability are confirmed and without hepatic safety concern.
- Fixed duration:** EPCLUSA® provide fixed 12 weeks of treatment to all patients regardless of HCV genotypes and treatment history.

EPCLUSA® 宜譜莎藥物特性
EPCLUSA帶給醫師及病患的益處

EPCLUSA® 宜譜莎
唯一同時具有 Pan-Genotypic, Pan-Fibrotic, PI-Free 三種特性的C型肝炎口服抗病毒藥物

- Pan-Genotypic:** 泛基因型: GT1-6 治療方法均相同
 - 未來可能免測基因型, 降低檢測費用與時間
 - 可降低基因型判斷錯誤之風險
- Pan-Fibrotic:** 泛纖維化: 所有纖維化等級均可治療
 - 代償性肝病未來可能免測纖維化狀態, 降低纖維化檢測之費用與時間
 - 或降低治療中纖維化變化之風險
 - 或降低纖維化檢測錯誤之風險
- PI-Free:** 不含蛋白酶抑制劑
 - 可降低藥物交互作用(DDI)發生之風險
 - 降低肝功能變化顧慮



Conclusion

Epclusa® for 12 weeks is associated with high SVR12 regardless of cirrhosis and HCV GT.

"Pan-Genotypic", "Pan-Fibrotic" and "P-free" can decrease treatment complexity and associate with improved clinical outcomes.

Source: Hepatology 2015;61:1001-1010.
DOI: 10.1016/j.jhep.2015.05.010

按一下以新增標題

感謝聆聽

恭請指導