

# Ein Gefängnis ohne HCV-Infektion – Utopie oder Realität?

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# Hepatitis C

- ▶ Abdominal ultrasound necessary only if cirrhosis or a space occupying lesion are a possibility
- ▶ Fibroscan useful when the chance of cirrhosis is medium (< 35 years of age, the risk of cirrhosis is low)
- ▶ AST to platelet ratio (APRI) is sufficient instead of fibroscan, especially in younger patients (i.e prisoners)

# Hepatitis C in Australia

- ▶ Australian Government has committed \$1 billion for HCV treatment - irrespective of severity of disease, including prisoners; “silent” on re-treatment of reinfection
- ▶ 5-year agreement with pharmaceutical industry, from 1 March 2016
- ▶ A 12 week, curative course of treatment costs ~\$110,000

# Hepatitis C in Australia

- ▶ There were ~233,000 Australians infected with hepatitis C, ~9,000 new infections annually prior to 2016
- ▶ Prior to March 2016, <3,000 were receiving treatment (annually); interferon-based treatments were unpopular, selective and cure was not guaranteed
- ▶ Between March 2016 and July 2017, nearly 22,500 Australians received treatment (~1,000 were prisoners)

# Hepatitis C in Australian Prisons

- ▶ Treatment should occur in a setting where re-infection is minimised.
- ▶ How can this be achieved in prison?
- ▶ Bring your contacts for treatment (snow-ball recruitment within networks)
- ▶ Re-treat reinfection (\$100,000 *per* episode ??)
- ▶ Continue to re-test, post-treatment.

# Hepatitis C in Australian Prisons

- ▶ People who inject drugs are transmitters of HCV
- ▶ Prisoners are amplifiers of transmission as prisons are ‘world class’ needle exchanges {NOT}
- ▶ Is re-infection a problem?

# Australian Prisons

- ▶ Cost free to the prisoner-patient
- ▶ Public health v clinical need
- ▶ Snow-ball recruitment by ‘the treated’
  
- ▶ The final stage - toward elimination
- ▶ The enduring fractures in the chain of transmission





# Alexander Maconochie Centre

The testing programme for hepatitis C has indentified 107 infections in 95 people, since the AMC was commissioned. (February 2017)

- ▶ **22 are considered to be in-custody transmissions**
- ▶ 41 are considered 'indeterminate' as to environment of transmission (either custody or community), and
- ▶ 44 were determined as in-community infections.

# Alexander Maconochie Centre

2010 - prevalence of HCV Ab - 48% (presumed PCR positivity ~35%)

Interferon treatment offered, but poor uptake

3<sup>rd</sup> generation treatment - very poor results

March (actually April) 2016 - DAA treatments commenced

October 2016 - 20% PCR positive

# Alexander Maconochie Centre

**August 2017 - 3% PCR positive**

# Alexander Maconochie Centre

With access to Direct Acting Anti-viral treatments for hepatitis C infection, we have developed:

- **A nurse lead model of care**
- Supported by pharmacy
- Access to specialist care for complex cases (extremely rare), and
- A small group of doctors, familiar with the authorisation process.

# Alexander Maconochie Centre

“Extreme” cases:

# Alexander Maconochie Centre

Since 1 March 2016:

- ▶ 113 treatment authorities obtained
- ▶ 2 patients did not have a 12 week sustained viral response - 1 was a re-infection, the 2<sup>nd</sup> ???
- ▶ 2 patients released to freedom before End of Treatment
- ▶ ~\$A6,000,000 estimated Rx costs
  
- ▶ PCR prevalence reduced from 30% to 3%! ..... In just less than 18 months.

# Treating Hepatitis C in Prison

## BENEFITS

- ▶ Proximity of the health service to the patient
- ▶ Support from mental health, close at hand
- ▶ “Shared Care” is tailored to the environment - efficiency
- ▶ Supervision of every dose - compliance, side-effects
- ▶ Peer support
- ▶ Alcohol is reasonably well controlled
- ▶ Access to pharmacotherapies - but not in all jurisdictions
- ▶ Less ‘chaos’ benefits individuals with poorer social function (*sic*: compliance)
- ▶ Aboriginal incarceration, cannot be ignored



# Treating Hepatitis C in Prison

## RISKS

- ▶ Access to the full range of harm minimisation strategies is limited
- ▶ Re-infection is a real risk
- ▶ Side-effects of treatment in a closed environment, .. too easily ‘punished’
- ▶ Transition to community / loss to follow-up
- ▶ Will DAAs find a “price” in the prison-drug market?

# Hepatitis C in Australian Prisons

- ▶ 1 visit -> treatment
- ▶ The future of fibroscan; escorts to appointments
- ▶ Sterilised environment - by when, how maintained?
- ▶ Treat 40/1000 for 15 years will halve prevalence - is this acceptable?

# Issues for Consideration

- ▶ HCV prevalence
- ▶ HCV incidence
- ▶ Transmission - oh no!!!!
- ▶ Treatment access - who is in, who is out?
- ▶ Treatment compliance - do all doses need to be supervised?
- ▶ “These treatments are side-effect free” - oh no!!
- ▶ Therapeutic prevention v harm minimisation

# Issues for Consideration

- ▶ Is HCV elimination possible? .... Without treating prisoners?
- ▶ Drug prices - a shackle, or .....?
- ▶ Screening policies - opt-in, opt-out, targeted (on risk disclosure, or .....)
- ▶ What is the “market price” of a DAA tablet in prison?

# Canberra Times - 26 August 2012



# . . . and what about that Needle Exchange?

- ▶ Government commitment
- ▶ Australian Medical Association and the Public Health Association of Australia support
- ▶ Mixed support from detainees
- ▶ Muted support from Non-Government Organizations
- ▶ Mixed messages from the *Canberra Times*
- ▶ Vehement opposition from prison officers

# Hepatitis C in Australian Prisons

Early access to these medications has already raised some interesting issues for prisoner health services:


- ▶ Harm minimisation implementation in Australian prisons will be reassessed by custodial authorities, utilising a limited evidence base and an existing flawed paradigm; and
- ▶ Hepatitis C will continue to reveal strengths and weaknesses in the Australian health/ corrective services interface.

HIV/AIDS  IN PRISONS

# Good prison health is **good prison management**

Protecting and promoting  
prisoners' health benefits  
everyone

Doing so improves  
workplace health and  
safety of prison staff

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