

# Therapeutic strategies for acute HCV

## Past, current and future: an Australian perspective

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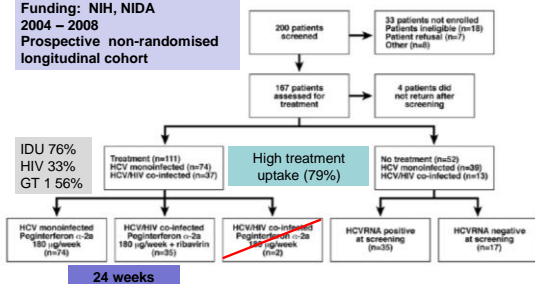
### Therapeutic strategies for acute HCV

#### Key issues

- Small proportion of HCV infections diagnosed during acute phase
- Potential for "over-treatment" of spontaneous clearance cases
- Slow disease progression in chronic HCV infection
- IFN-based treatment outcomes superior in acute HCV
- Rapid development of HCV DAA therapy
- Potential for 'treatment as prevention'

### ATAHC I: Australian Trial in Acute Hepatitis C

Funding: NIH, NIDA  
2004 – 2008  
Prospective non-randomised  
longitudinal cohort





## ATAHC II

NIH R01 renewal grant 2010 – 2015

ATAHC entry criteria – estimated duration up to 18 months  
 Planned 120 subjects, including HIV positive and negative

### Individualized response guided therapy

- PEG for acute HCV mono
- PEG/RBV for early chronic HCV mono and HIV co-infection

	HCV RNA BDL at:	Duration therapy
Group A	Week 2	8 weeks
Group B	Week 4	16 weeks
Group C	Week 6	24 weeks
Group D	Week 8	36 weeks
Group E	Week 12	48 weeks

## DARE-C I: DAA-based therapy for recently acquired HCV

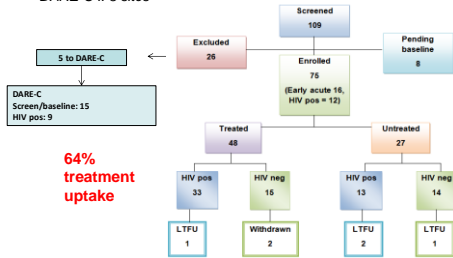
Sub-study of ATAHC II  
 February 2012 – July 2014

Prospective open label multi-centre pilot study  
 Response guided therapy: PEG/RBV/TVR  
 Genotype 1  
 Early chronic infection (estimated duration 6-18 months)  
 HIV negative and HIV positive; n=20

	HCV RNA BDL at:	Duration
Group A	Week 2	8 wks PEG/RBV/TVR
Group B	Week 4	12 wks PEG/RBV/TVR
Group C	Week 8	12 wks PEG/RBV/TVR + 12 wks P/R

## ATAHC II and DARE-C I: Progress

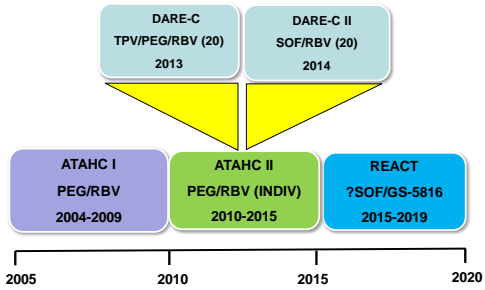
ATAHC II: Enrolment commenced late 2011; 8 sites  
 DARE-C I: 3 sites



Aim to complete enrolment June 2014








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## ? REACT

A Randomised Controlled trial of IFN-free therapy for HEpatitis C during Recent infection

- International multicentre RCT 2015 - 2020
  - Australia, Canada, US, Europe
- Short (4/6 wks) vs standard (8/12 wks) IFN-free DAA-based therapy for recent HCV infection
- ? Sofosbuvir + GS5816
- Non-inferiority design, n= 250
- Primary endpoint: SVR12
- Primary AND re-infections
- Nested substudies – immunology/behavioural etc

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