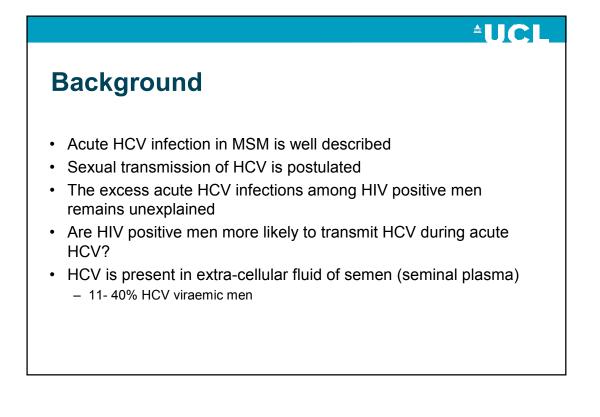
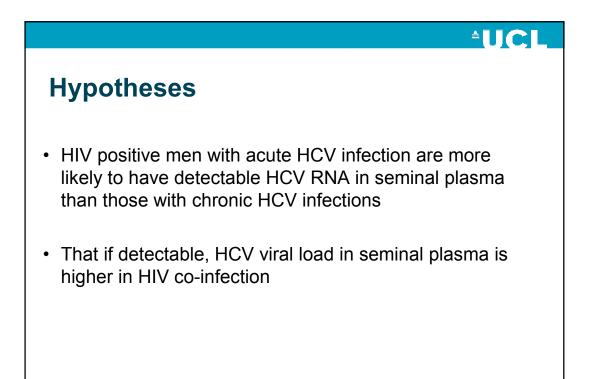
# <sup>±</sup>UCL

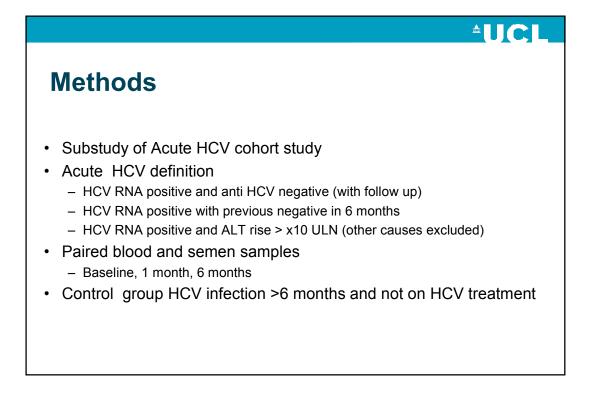
## Hepatitis C viral loads in the semen of HIV positive men during acute and chronic Hepatitis C infection

Jo Turner

Regional Infectious Diseases Unit, NHS Lothian, Edinburgh UCL Centre for Sexual Health and HIV Research, The Mortimer Market Centre





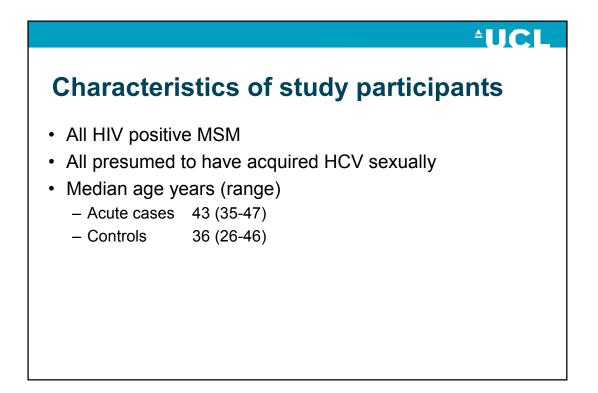


### **Methods virology**

- HCV RNA quantification by in house RT-PCR
- Viral load lower limit of detection 10 IU/ml
- Process initially tested using HCV RNA spiked semen

**UCI** 

· Internal control- Brome mosaic virus



### **UCL**

### **Results: acute HCV n=10**

	Baseline VL (IU/ml)		1 Month (IU/ml)		6 months (IU/mI)	
	Semen	Plasma	Semen	Plasma	Semen	Semen
1	<10	950 000	<10	100 000	<10	5 000
2	<10	19 000	withdrew			
3	<10	11 000 000	27	5 600 000	14	5 900 000
4	<10	13 000 000	<10	<10 *		
5	<10	580 000	<10	52 000		
6	<10	170 000	<10	9 000		
7	<10	4 300 000	<10	<10 *		
8	<10	3 000 000	<10	17 000		
9	<10	<10 *				
10	<10	450 000				

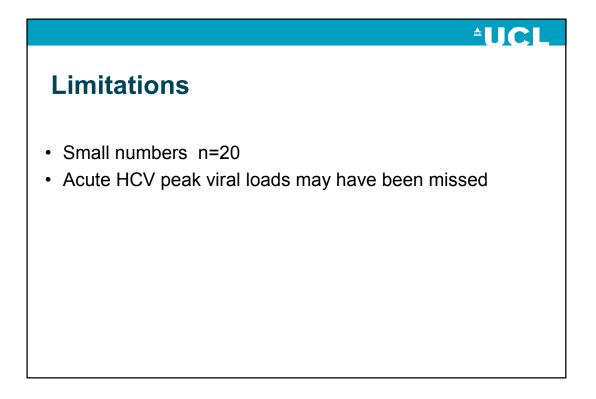
\* Acute HCV treatment

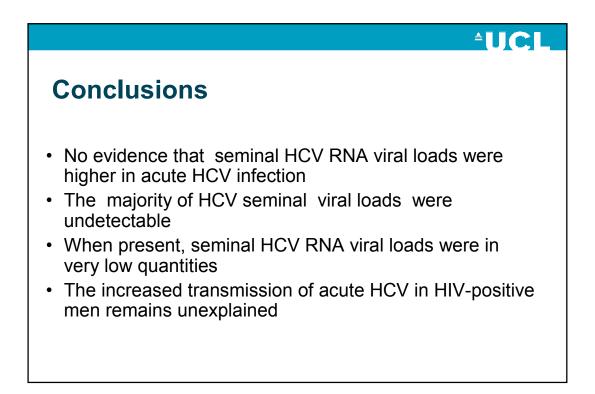
**UCL** 

### **Results: chronic HCV n=10**

	Baseline	Baseline VL (IU/ml)		1 month VL (IU/mI)		6 month VL (IU/mI)	
	Semen	Plasma	Semen	Plasma	Semen	Plasma	
1	150	12 000 000	80	13 000 000	230	22 000 000	
2	<10	860 000	<10	590 000	<10	1 500 000	
3	<10	12 000 000	<10	17 000 000	<10	17 000 000	
4	37	20 000 000	<10	30 000 000	<10	43 000 000	
5	<10	3 300 000	<10	1 300 000	<10	4 800 000	
6	<10	97 000 000	<10	31 000 000	<10	16 000 000	
7	<10	3 000 000	<10	300 000	<10	<10	
8	<10	7 600 000	lost sample	2 700 00			
9	<10	2 700 000	withdrew				
10	<10	220 000	<10	1 700 000			

Results				⁺UCL
<b>Nesulis</b>				
<ul> <li>Detectable HCV F (excluding men or</li> </ul>		-	/ treatment n=:	3)
	• •			
	Acute HCV	1/9 (11%)	2/16 (12.5%)	
	Chronic HCV	2/10 (20%)	5/25 (20%)	
<ul> <li>Quantification of c</li> <li>– &lt;30 IU/ml in acute</li> <li>– Range 37- 230 IU</li> </ul>	e cases		IA in semen	







# • Extra slides

