

Clinical Quiz

Viruses in May 2015

Michael Nissen & Bill Rawlinson

Rules of Engagement

- Judges decision on answers is FINAL and no correspondence will be entered into!
- Honour system of scoring
 - 1 point per correct answer
 - 5 points for bonus questions
 - In event of tie for the 1st place there will be a tie breaker question
- Prizes-Freddo Frogs (double for bonus ?)
 - 1st Prize: RCPA paper weight

TEST QUESTION

- What was the colour of the shirt that Bill wore yesterday at the opening session?

1. Pink

2. Navy blue

3. Sky blue with white pin stripe

4. White with pale blue pin stripe

- BONUS ? : What shoes did Monica wear yesterday?

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- BONUS ? : What shoes did Monica wear yesterday?
 - Black Italian pony skin with leopard print

Trichodysplasia spinulosa (TS) is a rare skin disease exclusively affecting immunocompromised patients caused by:

- a. A polyomavirus
- b. A herpesvirus
- c. An enterovirus
- d. A paramyxovirus

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 1. Correct purpose
 2. Up to date genomic sequence information
 3. Stringent quality control
 4. Dumb luck

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- Adenoviruses of which species are being evaluated in human trials of an Ebola vaccine

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2. Chimpanzee
3. Gorilla
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What year was VIM in August?

Bonus Question? VIM in July?

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2012

2004

Which of the above processes may lead to elimination of the virus during the course of a persistent virus infection?

- i. Immunosuppression
- ii. Gradual recovery of immunocompetence
- iii. Cell transformation
- iv. Emergence of escape mutants
- v. Progressive tissue damage

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What are the 4 ways to get your research project supported according to Mary Moran?

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Greed

Fear

Compassion

Advocacy

The mechanism of HPV carcinogenesis?

1. Random mutagenesis
 2. E2 protein
 3. E4 protein
4. Chronic inflammation

The mechanism of HPV carcinogenesis?

1. Random mutagenesis-No
2. E2 protein-Yes
3. E4 protein-Yes
4. Chronic inflammation-Yes

The virus in “ I am Legend” was created to

- a. Make old people young
- b. Cure cancer
- c. Only eliminate politicians
- d. Replicate in chocolates

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The virus that burned through civilisation, pushing humankind to the edge of extinction in 2009 was called

- a. O'Loghlen virus
- b. Krippin virus
- c. Rudd virus
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 1. Adelie Penguin
 2. Emperor Penguin
 3. Leopard Seal
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Joseph Conrad:

- (i) discovered Ebola virus in 1976
- (ii) discovered dark-pigmented cardiac lesions caused by Ebola virus in 1995
- (iii) wrote the book on which the 1979 movie 'Apocalypse Now' was based
- (iv) rewrote CDC's guidelines for centralised Ebola virus disease care in 1988

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BONUS QUESTION

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Heart of Darkness

- What is a notable feature of the HIV antiviral lopinavir/ritonavir oral solution?

A: It fluoresces under UV light

B: It is > 80% alcohol

C: It can also be given intravenously

D: It tastes horrible

E: It is a non-Newtonian fluid

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Who said “The world we have created is a produce of our thinking. It cannot be changed without changing our thinking”

- a. Blaise Pascal
- b. Soren Kierkegaard
- c. Socrates
- d. Robert George

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1. 900 million

2. 1.8 billion

3. 1 trillion

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- a. Cindy Crawford and Heidi Klum
- b. Predictive and descriptive
- c. Utrich and Utrillo
- d. Aeroplanes and little plastic people

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- Merkel cell polyomavirus is associated with what percentage of Merkel cell carcinomas?

1. 25%

2. 50%

3. 75%

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- Cancer epidemiologists use which criteria to ascertain causation?
 1. Beacon Hill criteria
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Viruses

- a. Will only grow in cells
- b. Are the most interesting area of study globally
- c. Were first produced as self replicating DNA in the primordial soup
- d. Undergo Darwinian evolution

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Encephalomyocarditis Virus can cause sudden death in which of the following species:

- 1) African Elephants
- 2) Common Wombats
- 3) Chimpanzees
- 4) All of the above

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Which American celebrity was successfully sued in 1986 for US\$ 6.2 million for infecting his girlfriend with genital herpes? Was it:

- a) Tony Bennett
- b) Brad Pitt
- c) Robin Williams
- d) Eddie Murphy
- e) Jack Nicholson

BONUS QUESTION:

Who was unsuccessfully sued?

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- c) Robin Williams
- d) Eddie Murphy
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BONUS QUESTION

Tony Bennett was sued in 1985 for 90 million US\$ for infecting a female partner with genital herpes but provided medical evidence in his support that he did not have herpes and in turn counter-sued for defamation of character for 100 million US\$.

- What is considered the most invasive mosquito species in the world relevant to human health? This species represents the greatest arboviral disease threat to the future of Australia.

1. *Aedes aegypti*

- 2 *Aedes albopictus*

3. *Aedes notoscriptus*

4. *Aedes ridiculou*s

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With regard to the frequency of infectious diseases among Indigenous Australians, which of the following statements is correct?

1. Notification rates for Hib were 20 times higher for Indigenous Australians than for non-Indigenous people in 2010 - 2012
2. Hepatitis A notifications were lower for Indigenous people
3. Tuberculosis notifications were 11 times higher in Indigenous people
4. HIV diagnosis rates are similar in Indigenous and non-Indigenous people

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BONUS / TIE BREAKER QUESTION

What years was the VIM speakers podium on the left as you face the stage?

1. 2004
2. 2009
3. 2010
4. 2015
5. All of the above

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2015