

### Question 3 – August 18

1. Which of the following conditions has the highest predisposition for pancreatic cancer?
  - A. Familial pancreatic cancer
  - B. Familial atypical multiple mole melanoma syndrome
  - C. Hereditary nonpolyposis colorectal cancer syndrome
  - D. Peutz-Jeghers syndrome
  - E. Hereditary pancreatitis

#### Answer: D

All these conditions are associated with an increased risk of pancreatic cancer. Hereditary nonpolyposis colorectal cancer syndrome has the probably the lowest risk among the 5 syndromes. Whereas individuals with Peutz-Jeghers syndrome have the highest risk, with a 132-fold increased risk compared to the general population.

#### References:

1. Giardiello FM et al. Very high risk of cancer in familial Peutz-Jeghers syndrome. *Gastroenterology*. 2000; 119:1447-1453.
2. Bartsch DK et al. Familial pancreatic cancer--current knowledge. *Nat Rev Gastroenterol Hepatol*. 2012 Aug; 9(8):445-53.