

Question 41 – Week of April 11

Which *Cag* gene in patients with *H. pylori* is associated with elevated risk for peptic ulcer disease?

- A. *CagA*+
- B. *CagB*+
- C. *CagC*+
- D. *CagD*+

Answer: A

Cytotoxin-associated antigen (*CagA*) is more often expressed in Asia (>90%) compared to Western countries. If present it is associated with a more prominent inflammatory tissue response. *CagA* positivity is associated with an increased risk of peptic ulcer disease and gastric adenocarcinoma.