

## 60 second Quiz 7

March 25, 2008

10 points on the next homework if correct; -2.5 if wrong

**The following is true about resolution in US imaging:**

- A. Transverse resolution improves with decreasing the transducer radius (focal distance) and the longitudinal resolution improves with increasing the bandwidth
- B. Transverse resolution degrades with decreasing the transducer radius (focal distance) and the longitudinal resolution improves with increasing the bandwidth
- C. Transverse resolution improves with decreasing the transducer radius (focal distance) and the longitudinal resolution degrades with increasing the bandwidth
- D. Transverse resolution degrades with decreasing the transducer radius (focal distance) and the longitudinal resolution degrades with increasing the bandwidth