

21. Solution: B

Apply Baye's Formula:

$$\Pr[\text{Seri.}|\text{Surv.}]$$

$$= \frac{\Pr[\text{Surv.}|\text{Seri.}] \Pr[\text{Seri.}]}{\Pr[\text{Surv.}|\text{Crit.}] \Pr[\text{Crit.}] + \Pr[\text{Surv.}|\text{Seri.}] \Pr[\text{Seri.}] + \Pr[\text{Surv.}|\text{Stab.}] \Pr[\text{Stab.}]}$$

$$= \frac{(0.9)(0.3)}{(0.6)(0.1) + (0.9)(0.3) + (0.99)(0.6)} = 0.29$$