



The area under the curve (AUC) measurement is calculated as the sum of areas a, b, c, d, and e for each

patient.

- a) [Volume of rectum exposed to 40Gy (cc) + volume of rectum exposed to 50Gy (cc)]/2 x (50Gy 40Gy)
- b) [Volume of rectum exposed to 50Gy (cc) + volume of rectum exposed to 60Gy (cc)]/2 x (60Gy 50Gy)
- c) [Volume of rectum exposed to 60Gy (cc) + volume of rectum exposed to 65Gy (cc)]/2 x (65Gy 60Gy)
- d) [Volume of rectum exposed to 65Gy (cc) + volume of rectum exposed to 70Gy (cc)]/2 x (70Gy 65Gy)
- e) [Volume of rectum exposed to 70Gy (cc) + volume of rectum exposed to 75Gy (cc)]/2 x (75Gy 70Gy)