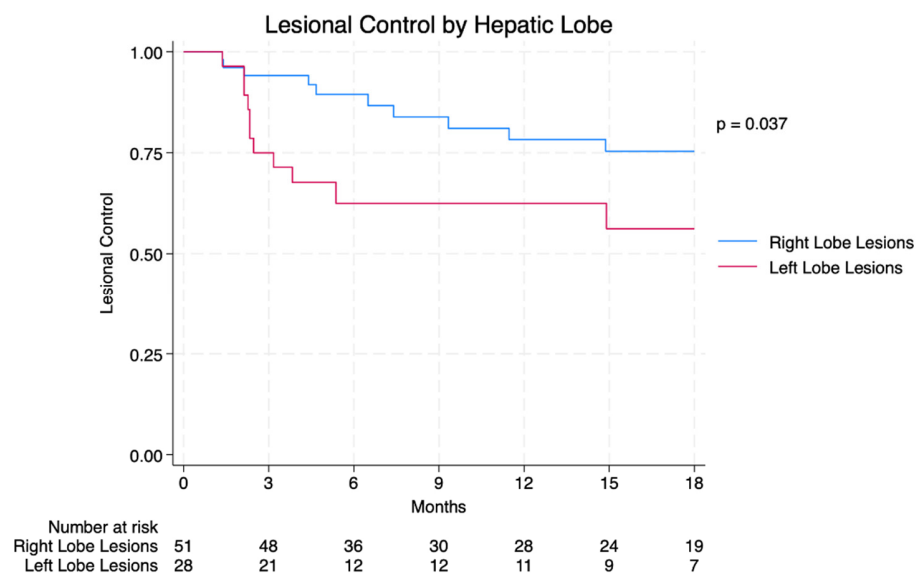
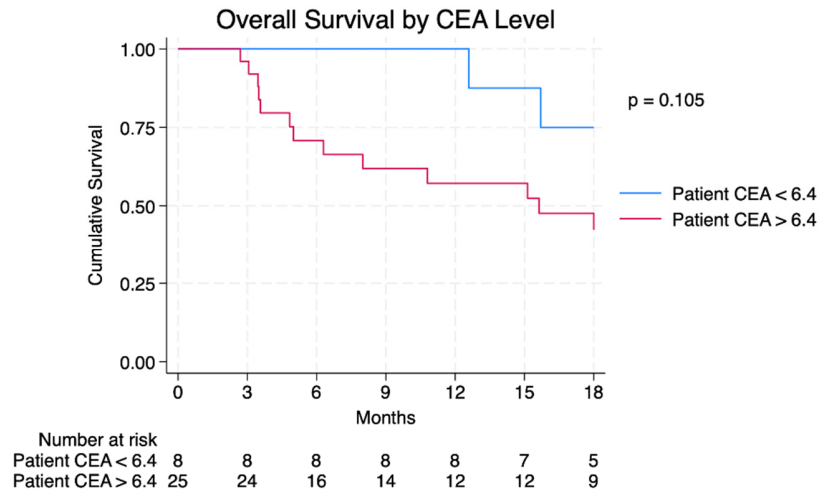


**Figure S1. Lesional Control Rate by Laterality of Colorectal Primary Tumor.**



**Figure S2. Lesional Control by Hepatic Lobe**



**Figure S3. Overall Survival by CEA Level.**

**Table S1. Biologic Effective Dose Calculation Model.**

$$BED = D \left[ 1 + 2 \left( \frac{\frac{d_0 \times \lambda}{\alpha}}{\beta} \right) \left( \frac{k}{\mu - \lambda} \right) \right] - \left( 0.693 \times \frac{T}{\alpha \times T_p} \right)$$

$$k = \left( \frac{1}{1 - \varepsilon} \right) \left[ \left( \frac{1 - \varepsilon^2}{2\lambda} \right) - \left( \frac{1 - \varepsilon e^{-\lambda \times T_{eff}}}{\mu + \lambda} \right) \right]$$

$$T_{eff} = \frac{1}{\lambda} \times \ln(1.44 d_0 \alpha T_p)$$