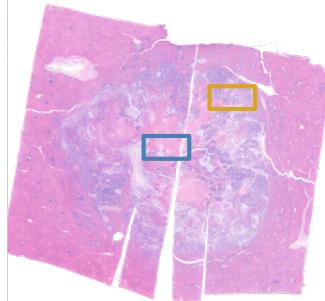
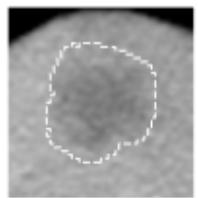
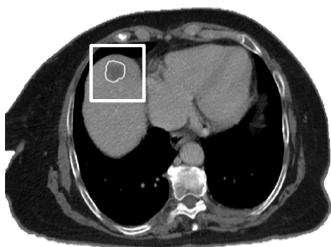
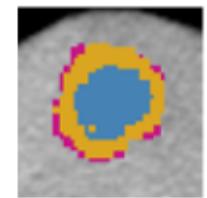
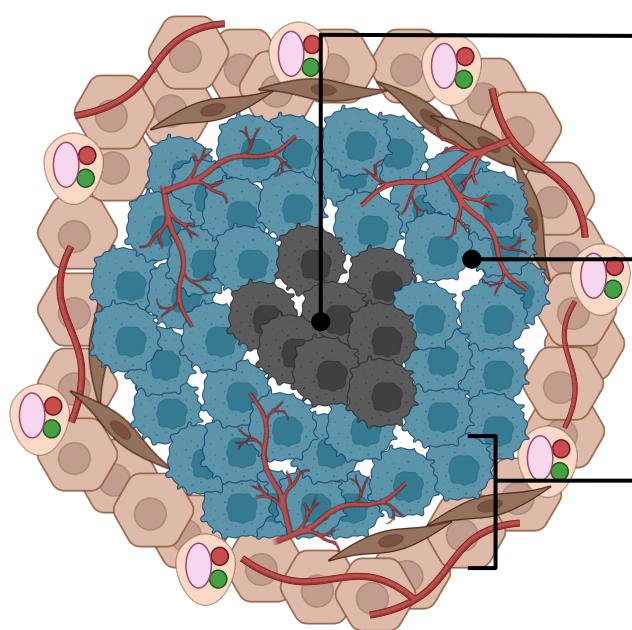


**A****Histopathology****Resected Slice****Whole Slide Image (HE)****CT Imaging****Original CT Image****CT Habitats****B**

- Hepatocyte
- Portal tract
- Fibroblast
- Cancer Cell
- Hypoxic Cancer Cell
- Blood Vessel
- Angiogenic blood vessel

**Avascular**

$$\downarrow\downarrow K^{trans}$$

$$\downarrow\downarrow f_v \quad \uparrow\uparrow ADC_t$$

Necrotic/fibrotic core: dead or dying tissue

**Cellular-Perfused**

$$\uparrow\uparrow K^{trans}$$

$$\uparrow f_v \quad \downarrow\downarrow ADC_t$$

Viable tumor: proliferating cells with leaky new vasculature

**Vascular**

$$\uparrow K^{trans}$$

$$\uparrow\uparrow f_v \quad \downarrow ADC_t$$

Vascular rim: possibly tumor-liver interface with partial volume

**C**