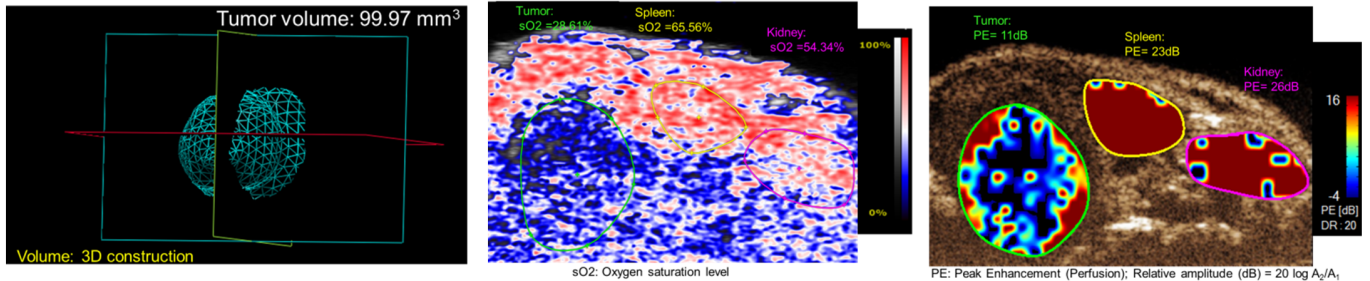


Preclinical Imaging Facility (PIF)

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Preclinical Imaging Facility (PIF) is a small animal imaging hub at KI Huddinge campus, with multimodal live imaging possibilities, including IVIS Spectrum (optical imaging), Quantum FX (micro CT) and Vevo LAZR (micro ultrasound / photoacoustic). By combining different imaging modalities, researchers are able to longitudinally monitor disease progression, cell tracking and gene expression patterns in living animals non-invasively.

The following live imaging applications for small animals are available :

- **2D/3D bioluminescence imaging**
- **2D/3D fluorescence imaging**
- **2D/3D micro CT imaging**
- **3D bioluminescence/fluorescence imaging - CT co-registration**
- **2D/3D micro ultrasound imaging:** B-mode, Color Doppler mode, Power Doppler mode, Contrast Mode
- **2D/3D photoacoustic imaging:** Oxy-Hemo mode

