

Quantitative tumor depth determination using dual wavelength excitation fluorescence: supplement

CHRISTINE M. O'BRIEN,^{1,2,6,7} KEVIN W. BISHOP,¹  HAINI ZHANG,^{1,2} XIAO XU,¹ LEO SHMUYLOVICH,^{1,3} ELIZABETH CONLEY,¹ KAREN NWOSU,¹ KATHLEEN DUNCAN,¹ SUMAN B. MONDAL,¹  GAIL SUDLOW,¹ AND SAMUEL ACHILEFU^{1,2,4,5,6,8}

¹Department of Radiology, Washington University School of Medicine, 4515 McKinley Ave., St. Louis, MO, 63110, USA

²Department of Biomedical Engineering, Washington University in St. Louis, 1 Brookings Drive St. Louis, MO 63130, USA

³Division of Dermatology, Department of Medicine, Washington University School of Medicine, 4960 Children's Place, St. Louis, MO 63110, USA

⁴Department of Medicine, Washington University School of Medicine, 4960 Children's Place, St. Louis, MO 63110, USA

⁵Department of Biochemistry and Molecular Biophysics, Washington University School of Medicine, 660 S. Euclid Ave., St. Louis, MO 63110, USA

⁶These authors contributed equally to this work

⁷c.obrien@wustl.edu

⁸Samuel.Achilefu@UTSouthwestern.edu

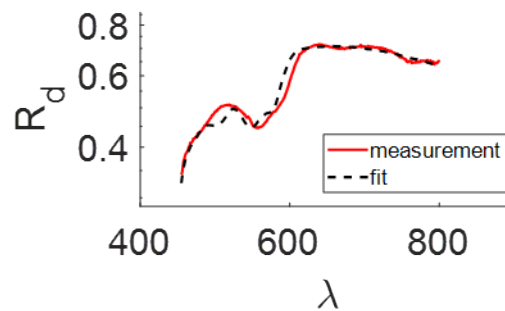
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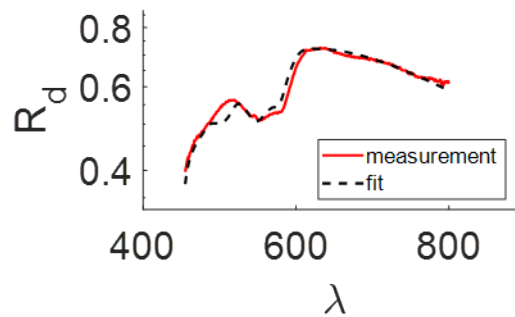
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Mouse 1 DRS measurement and spectral fit



Mouse 2 DRS measurement and spectral fit



*Mouse 3 DRS measurement and spectral fit

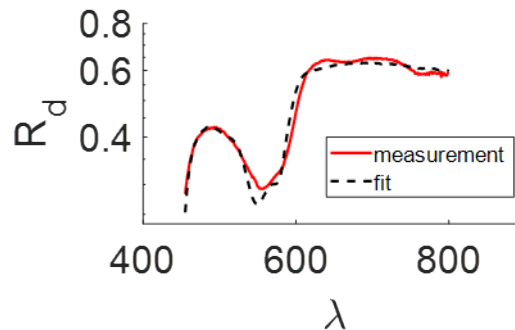


Fig. S1. Diffuse reflectance spectra from in vivo right flank tumors from mice #1-3. The measured DRS spectra are shown in red and black dotted lines delineate the spectral fits obtained from least squares fitting to the diffusion equation at a set source-detector distance.

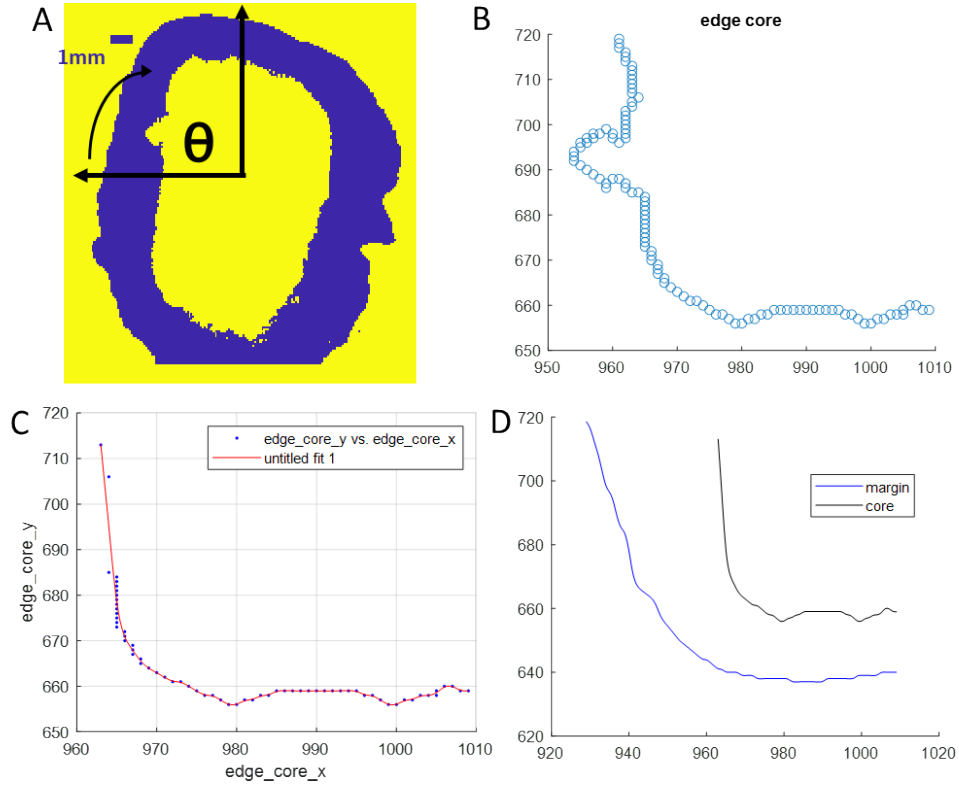


Fig. S2. Example of spline fitting removing knobby features of tumor edge. A) Segmented margin of healthy tissues (dark blue). B) Extracted tumor margin based on edge detection using the Sobel method. C) Spline fit of the extracted tumor margin which incorrectly removed protruding section of tumor tissue from the margin. D) Spline curves of the tumor core and outer tissue margin that will be used for calculating healthy margin thickness.