Supplementary Material

TITLE: Fracking in tumors – A key drug transport mechanism

AUTHORS: Vitor Mori[1+*], PhD, MSc, Atena Farhangian[1+], PhD; Dylan Casey[1] PhD; Jacob S. Warner, DO; Chris Thompson[2], PhD, DVM; Kurt Schulz[2] DVM; Nirav Daphtary[1], MSc; Minara Aliyeva[1], MD; Loa Georgesdottir[1]; Chad Eckert[3], PhD; Nicole Storer[3], PhD; Jason H.T. Bates[1], PhD, DSc; C. Matthew Kinsey[1], MD, MPH;

[1] Division of Pulmonary and Critical Care, Larner College of Medicine at the University of Vermont, Burlington, VT, USA

[2] Ethos Discovery, Woburn, MA, USA

[3] Johnson and Johnson, Interventional Oncology, New Brunswick, New Jersey, USA

[*]**CORRESPONDING AUTHOR**

C. Matthew Kinsey, MD, MPH

Division of Pulmonary and Critical Care

Larner College of Medicine at the University of Vermont

89 Beaumont Avenue, Given D208

Burlington, VT, 05401

Email: Matt.Kinsey@med.uvm.edu

Phone: 802-656-3521

[+]These authors contributed equally

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KEYWORDS: Fracking**,** Cancer, Intratumoral injection, Pharmacology, Drug Distribution

Table S1: Parameters of the micro-CT scan for group 1

	Tumor A	**Tumor B**	**Tumor C**	**Tumor D**	**Tumor E**	**Tumor F**
Voltage (kV)	80	80	60	60	130	60
Current (µA)	100	450	114	114	61	114
Exposure Time (ms)	700	400	250	250	500	250
Step Size (°)	0.40	0.50	0.10	0.1	0.50	0.1
Total Rotation (°)	360	360	180	180	360	180
Voxel Size (µm)	31.09	93.17	38.15	70.65	35.32	50.16
Frames Averaged	2	2	2	1	2	1
Total Scan Time (hh:mm:ss)	00:35:28	00:16:08	00:40:36	01:01:18	00:24:29	01:01:19

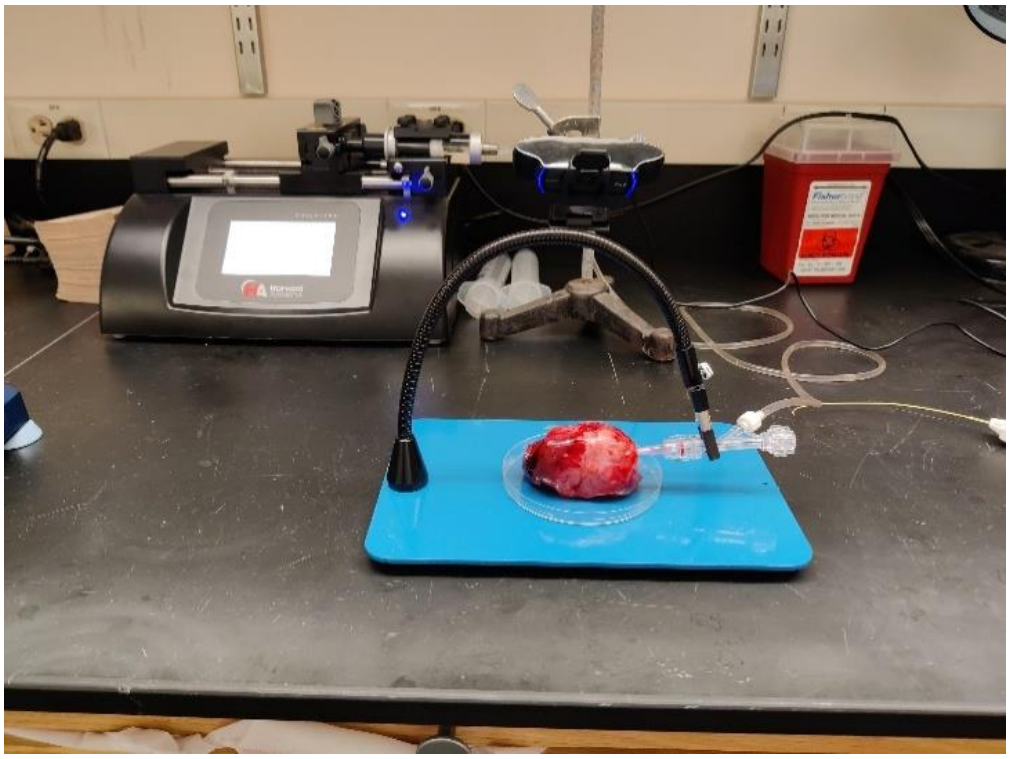

Figure S1: Experimental setup to perform intratumoral injections in resected canine tumors

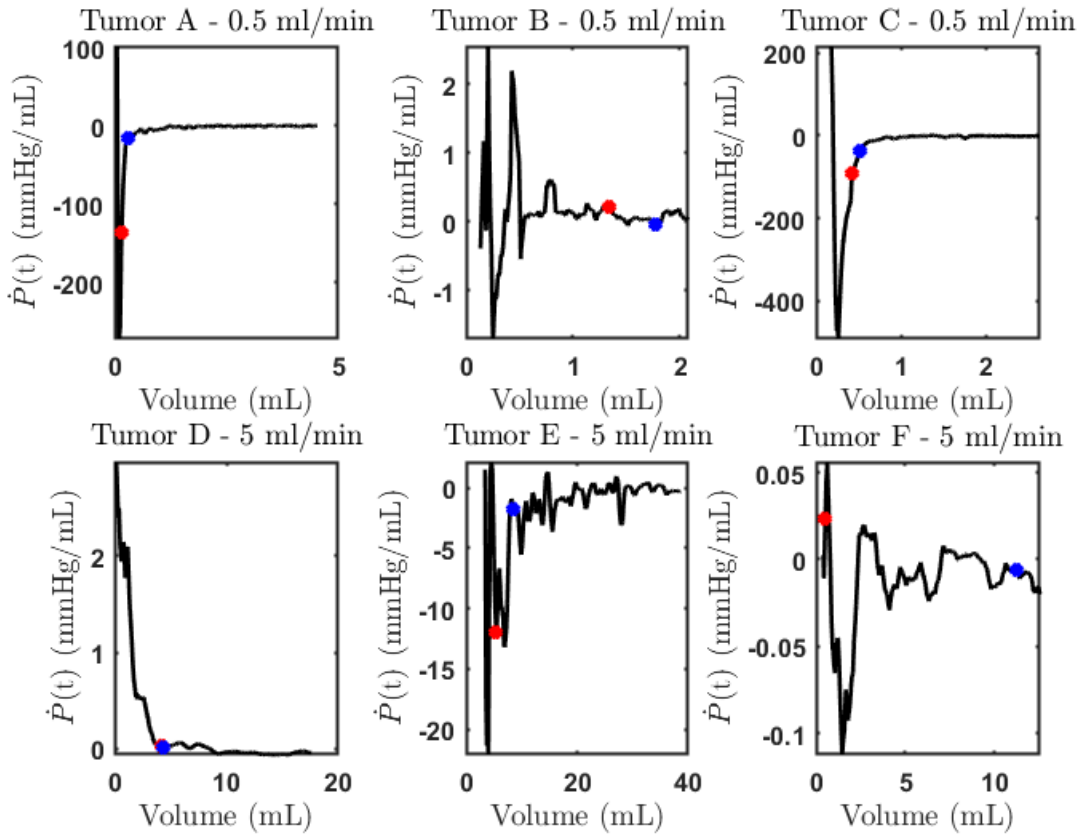

Figure S2: First derivative of the pressure signal after the initial major peak for tumors A-F. The red dot indicates the total volume that was retained within the tumor from the micro-CT scans. The blue dot indicated the onset of the plateau.

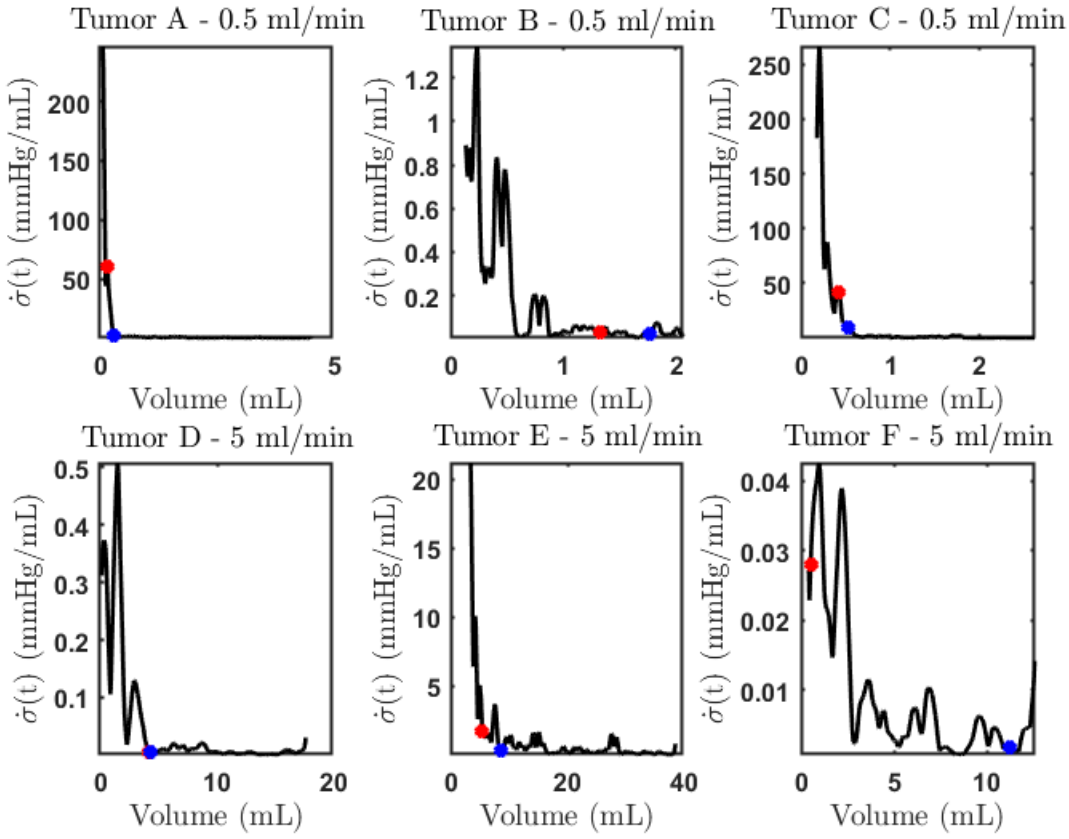

Figure S3: Standard deviation of the first derivative of the pressure signal after the initial major peak for tumors A-F. The red dot indicates the total volume that was retained within the tumor from the micro-CT scans. The blue dot indicated the onset of the plateau.