

Supplementary Information

Nanoparticle Contrast-enhanced T1-Mapping Enables Estimation of Placental Fractional Blood Volume in a Pregnant Mouse Model

Authors and affiliations:

Andrew A. Badachhape, Ph.D., Department of Radiology, Baylor College of Medicine, Houston, TX 77030, USA, badachha@bcm.edu

Laxman Devkota, Ph.D., Department of Pediatrics-Oncology, Baylor College of Medicine, Houston, TX 77030, USA, laxman.devkota@bcm.edu

Igor V. Stupin, Ph.D., The Singleton Department of Pediatric Radiology, Texas Children's Hospital, Houston, TX 77030, USA, ivstupin@texaschildrens.org

Poonam Sarkar, Ph.D., Department of Pediatrics-Oncology, Baylor College of Medicine, Houston, TX 77030, USA, poonam.sarkar@bcm.edu

Mayank Srivastava, Ph.D., The Singleton Department of Pediatric Radiology, Texas Children's Hospital, Houston, TX 77030, USA, mxsrivas@texaschildrens.org

Eric A. Tanifum, Ph.D., The Singleton Department of Pediatric Radiology, Texas Children's Hospital, Houston, TX 77030, USA, eatanifu@texaschildrens.org

Karin A. Fox, M.D., Department of Obstetrics and Gynecology, Texas Children's Hospital, Houston, TX 77030, USA, kafox@bcm.edu

Chandrasekhar Yallampalli, D.V.M., Ph.D., Department of Obstetrics and Gynecology, Texas Children's Hospital, Houston, TX 77030, USA, chandrasekhar.yallampalli@bcm.edu

Ananth V. Annapragada, Ph.D., The Singleton Department of Pediatric Radiology, Texas Children's Hospital, Houston, TX 77030, USA, avannapr@texaschildrens.org

*Ketan B. Ghaghada, Ph.D., The Singleton Department of Pediatric Radiology, Texas Children's Hospital, Houston, TX 77030, USA, kbghagha@texaschildrens.org

***Corresponding Author:**

Ketan B. Ghaghada, Ph.D.
The Singleton Department of Pediatric Radiology, Texas Children's Hospital
1102 Bates Street, Suite 850
Houston, TX 77030
Email: kbghagha@texaschildrens.org
Phone: 832-824-0865

1 Supplementary Information

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	FBV p-values (CE-MRI)		
	E14.5	E16.5	E18.5
E14.5	-	0.022	0.002
E16.5	0.022	-	0.43
E18.5	0.002	0.43	-

3

4 **Supplementary Table S1:** Wilcoxon rank sum test p-values comparing mean placental fractional
5 blood volume (FBV) estimates from contrast-enhanced MRI (CE-MRI) at each gestational
6 timepoint. CE-MRI derived estimates of FBV are significantly different at E16.5 and E18.5 relative
7 to E14.5.

8

	FBV p-values (CE-CT)		
	E14.5	E16.5	E18.5
E14.5	-	0.532	0.028
E16.5	0.532	-	0.018
E18.5	0.028	0.018	-

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10 **Supplementary Table S2:** Wilcoxon rank sum test p-values comparing mean placental fractional
11 blood volume (FBV) estimates from contrast-enhanced computed tomography (CE-CT) at each
12 gestational timepoint. CE-CT derived estimates of FBV are significantly different at E18.5 relative
13 to E16.5 and E14.5.