

Supplemental Information

Optical Imaging of Tumor Response to Hyperbaric Oxygen Treatment and Irradiation in an Orthotopic Mouse Model of Head and Neck Squamous Cell Carcinoma

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Joanna A.M. Braks¹, Linda Spiegelberg¹, Senada Koljenovic², Yanto Ridwan³, Stijn Keereweer⁴, Roland Kanaar^{3,5}, Eppo B. Wolvius¹, Jeroen Essers^{3,5,6}

¹ Department of Oral and Maxillofacial Surgery, Erasmus Medical Center, PO Box 2040 3000 CA Rotterdam, the Netherlands.

² Department of Pathology, Erasmus Medical Center, PO Box 2040, 3000 CA Rotterdam, the Netherlands.

³ Department of Genetics, Erasmus Medical Center, PO Box 2040, 3000 CA Rotterdam, the Netherlands.

⁴ Department of Otorhinolaryngology and Head & Neck Surgery, Erasmus Medical Center, PO Box 1738, 3015 CE Rotterdam, Netherlands.

⁵ Department of Radiation Oncology, Erasmus Medical Center, PO Box 2040, 3000 CA Rotterdam, the Netherlands.

⁶ Department of Vascular Surgery, Erasmus Medical Center, PO Box 2040, 3000 CA Rotterdam, the Netherlands.

Corresponding authors

Joanna A.M. Braks, PhD.

Department of Oral & Maxillofacial Surgery, Erasmus Medical Center

Room Ee 230

PO Box 2040

3000 CA Rotterdam, the Netherlands

Phone: +31 10 7038870/ +31 6 25534491

Fax: +31 10 7044685

Email: j.braks@erasmusmc.nl

Jeroen Essers, PhD.

Department of Genetics, Erasmus Medical Center

Room Ee 669

PO Box 2040

3000 CA Rotterdam, the Netherlands

Phone: +31 10 7043604

Fax: +31 10 7044743

Email: j.essers@erasmusmc.nl

Table S1

Primers used for qPCR

mRNA	Forward (5'-3')	Reverse (5'-3')
VEGF	CGAAACCATGAACTTTCTGCTG	TCCATGAACTTCACCACTTCG
CAIX	AGGGGTCTCTGACTACACCG	GAGGGTGTGGAGCTGCTTAG
CDH1	AATCCCACCACGTACAAGGG	GTGTATACAGCCTCCCACGC
Vim	AGGAGGAAATGGCTCGTCAC	AGAAATCCTGCTCTCCTCGC
Snail	CCAGTGCCTCGACCACTATG	CTGCTGGAAGGTAACTCTGG
TGF β 1	CGTGGAGGGGAAATTGAGGG	CCGTTGATGTCCAATTGCAG
GAPDH	CACCGTCAAGGCTGAGAACG	GAGGGATCTCGCTCCTGGAAG

Table S2

Increase of tumor bioluminescence signals after xenografting FaDu tumor cells in the floor of the mouth (9-12 mice per group). RT: radiation therapy, HBOT: hyperbaric oxygen therapy.

		Relative tumor bioluminescence (fold increase compared to day 4 \pm SEM)					
		day 4	day 7	day 11	day 14	day 18	day 22
control	1	3.12 \pm 0.24	10.26 \pm 1.17	27.41 \pm 3.25	74.05 \pm 7.93		
HBOT	1	3.08 \pm 0.17	11.86 \pm 0.91	31.57 \pm 2.44	116.40 \pm 15.58		
RT	1	2.60 \pm 0.21	2.70 \pm 0.37	4.93 \pm 0.89	13.72 \pm 2.97	26.98 \pm 5.73	
RT+HBOT	1	2.66 \pm 0.15	3.20 \pm 0.45	6.04 \pm 0.89	14.96 \pm 2.44	28.24 \pm 5.87	