

Association of Androgen Receptor Expression with Glucose Metabolic Features in Triple-Negative Breast Cancer

Reeree Lee, MD^{1,2}, Han-Byoel Lee, MD^{3,4,5*}, Jin Chul Paeng, MD, PhD^{1*}, Hongyoon Choi, MD, PhD¹, Wonseok Whi, MD¹, Wonshik Han, MD, PhD^{3,4,5}, Dong-Young Noh, MD, PhD^{3,5}, Ju Won Seok, MD, PhD², Keon Wook Kang, MD, PhD^{1,5}, Gi Jeong Cheon, MD, PhD^{1,5}

¹*Department of Nuclear Medicine, Seoul National University Hospital, Seoul, Republic of Korea*

²*Department of Nuclear Medicine, Chung-Ang University Hospital, Seoul, Republic of Korea*

³*Department of Surgery, Seoul National University College of Medicine, Seoul, Republic of Korea*

⁴*Biomedical Research Institute, Seoul National University Hospital, Seoul, Republic of Korea*

⁵*Cancer Research Institute, Seoul National University, Seoul, Republic of Korea*

* Corresponding authors@email: paengjc@snu.ac.kr; hblee80@gmail.com

Table S1. Glycolysis-related genes from the REACTOME_GLYCOLYSIS

AAAS	GCKR	NUP160	NUP160	PGAM1	PPP2R1A
ADPGK	GNPDA1	NUP188	NUP188	PGAM2	PPP2R1B
ALDOA	GNPDA2	NUP205	NUP205	PGK1	PPP2R5D
ALDOB	GPI	NUP210	NUP210	PGK2	PRKACA
ALDOC	HK1	NUP214	NUP214	PGM2L1	PRKACB
BPGM	HK2	NUP35	NUP35	PGP	PRKACG
ENO1	HK3	NUP37	NUP37	PKLR	RAE1
ENO2	NDC1	NUP42	NUP42	PKM	RANBP2
ENO3	NUP107	NUP43	NUP43	POM121	SEC13
GAPDH	NUP133	NUP50	NUP50	POM121C	SEH1L
GAPDHS	NUP153	NUP54	NUP54	PPP2CA	TPI1
GCK	NUP155	NUP58	NUP58	PPP2CB	TPR

Table S2. SUV_{max} according to androgen receptor status with varying cutoff values for androgen receptor positivity

Cutoff	AR-negative		AR-positive		<i>P</i>
	N (%)	SUV_{max}	N (%)	SUV_{max}	
< 1%	392 (64.5)	12.2 ± 7.4	216 (35.5)	9.0 ± 6.0	< 0.001
< 5%	444 (73.0)	12.1 ± 7.3	164 (27.0)	8.3 ± 5.8	< 0.001
< 10%	466 (76.6)	12.0 ± 7.3	142 (23.4)	7.9 ± 5.6	< 0.001
< 15%	484 (79.6)	11.9 ± 7.2	124 (20.4)	7.8 ± 5.7	< 0.001
< 20%	493 (81.1)	11.8 ± 7.2	115 (18.9)	7.8 ± 5.8	< 0.001

AR: androgen receptor