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The Netherlands

Non-invasive assessment of human brown adipose tissue: development of robust imaging methods to facilitate clinical translation

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Citation

Sardjoe Mishre, A. S. D. (2023, September 5). *Non-invasive assessment of human brown adipose tissue: development of robust imaging methods to facilitate clinical translation*. Retrieved from <https://hdl.handle.net/1887/3638467>

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Chapter 7

List of abbreviations

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7.1 LIST OF ABBREVIATIONS

[¹⁸F]FDG: ¹⁸F-fluorodeoxyglucose
ASHRAE: American society of heating, refrigerating, and air-conditioning engineers
ATP: adenosine triphosphate
BAT: brown adipose tissue
BMI: body mass index
BSA: body surface area
cAMP: cyclic adenosine monophosphate
CIT: cold induced thermogenesis
DEXA: dual energy x-ray absorptiometry
FA: fatty acid
FATP: fatty acid transporter
FF_{Glob}: global fat fraction
FF_{Loc}: local fat fraction
FF_{SAT}: subcutaneous white adipose tissue fat fraction
FF: fat fraction
FM: fat mass
GLUT: glucose transporter
HU: Hounsfield units
IRT: infrared thermography
LM: lean mass
MRI: magnetic resonance imaging
MSE: mean squared error
NE: norepinephrine
NRS: numeric rating scale
NST: non-shivering thermogenesis
PET-CT: positron emission tomography – computed tomography
PKA: protein kinase A
ROI: Region of interest
scBAT: supraclavicular brown adipose tissue
SUV: standardized uptake value
T2*_{Glob}: global T2*
T2*_{Loc}: local T2*
UCP-1: uncoupling protein 1
WAT: white adipose tissue