

**ENDOTHELIAL CELL DAMAGE IN PULMONARY
ARTERIAL HYPERTENSION IN CHILDREN AND ITS
MODULATION
BY TREATMENT**

Thesis

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Pediatrics*

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٢٠ ٢١ ٢٢ ٢٣

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List Of Abbreviations

•HT	◦ hydroxy tryptamine
•-LO	◦ lipoxygenase
ۛMWD	Six minute walk distance
ۛMWT	Six minute walk test
ALT	Alanin transaminase
ANA	Antinuclear antibodies
ANP	Atrial natriuretic peptide
Ao	Aorta
APAH	Associated with pulmonary arterial hypertension
ASD	Arterial septal defect
AST	Aspartate transaminase
AT	Acceleration time
BMP	Bone morphogenetic proteins
BMPRۛ	Bone morphogenetic protein receptor type II
BSA	Body surface area
CCP	Calcium channel blockers
CEC	Circulating endothelial cells
CGMP	Cyclic guanosine nonophosphate
CHD	Congenital heart disease
CPET	Cardiopulmonary exercise testing
CPS	Carbamyl phosphate synthase
CT	Computerized tomography
CT ratio	Cardiothoracic ratio
CTD	Connective tissue disease
CTEPH	Chronic thromboembolic pulmonary hypertension
DANCE	Developing arteries and neural crest
DBP	Diastolic blood pressure
DLco	Decreased lung diffusion capacity for carbon monoxide