Pawel Gac

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Obstructive Sleep Apnea as a Predictor of Abnormal Heart Rate Turbulence. Journal of Clinical Medicine, 2020, 9, 1.	2.4	226
2	Environmental and occupational exposure to lead as a potential risk factor for cardiovascular disease. Environmental Toxicology and Pharmacology, 2011, 31, 267-277.	4.0	68
3	The Relationship between Sleep Bruxism and Obstructive Sleep Apnea Based on Polysomnographic Findings. Journal of Clinical Medicine, 2019, 8, 1653.	2.4	61
4	The Influence of the Call with a Mobile Phone on Heart Rate Variability Parameters in Healthy Volunteers. Industrial Health, 2008, 46, 409-417.	1.0	60
5	The importance of selenium and zinc deficiency in cardiovascular disorders. Environmental Toxicology and Pharmacology, 2021, 82, 103553.	4.0	44
6	Obstructive sleep apnea as a predictor of reduced heart rate variability. Sleep Medicine, 2019, 54, 8-15.	1.6	30
7	Drinking of chokeberry juice from the ecological farm Dzieciolowo and distensibility of brachial artery in men with mild hypercholesterolemia. Annals of Agricultural and Environmental Medicine, 2009, 16, 305-8.	1.0	29
8	Relation between occupational exposure to lead, cadmium, arsenic and concentration of cystatin C. Toxicology, 2011, 283, 88-95.	4.2	25
9	The influence of hypertension on daytime sleepiness in obstructive sleep apnea. Journal of the American Society of Hypertension, 2017, 11, 295-302.	2.3	24
10	The Relationship between Simple Snoring and Sleep Bruxism: A Polysomnographic Study. International Journal of Environmental Research and Public Health, 2020, 17, 8960.	2.6	24
11	Evaluation of Intensity of Sleep Bruxism in Arterial Hypertension. Journal of Clinical Medicine, 2018, 7, 327.	2.4	23
12	Radiological Cardiothoracic Ratio in Evidence-Based Medicine. Journal of Clinical Medicine, 2021, 10, 2016.	2.4	22
13	The relationship between occupational exposure to lead and manifestation of cardiovascular complications in persons with arterial hypertension. Toxicology and Applied Pharmacology, 2010, 249, 41-46.	2.8	21
14	Concentration of Thyrotropic Hormone in Persons Occupationally Exposed to Lead, Cadmium and Arsenic. Biological Trace Element Research, 2018, 182, 196-203.	3.5	20
15	<p>Determination of Inflammatory Markers, Hormonal Disturbances, and Sleepiness Associated with Sleep Bruxism Among Adults</p> . Nature and Science of Sleep, 2020, Volume 12, 969-979.	2.7	20
16	The relationship between selected VDR, HFE and ALAD gene polymorphisms and several basic toxicological parameters among persons occupationally exposed to lead. Toxicology, 2015, 334, 12-21.	4.2	19
17	Tobacco and Nervous System Development and Function—New Findings 2015–2020. Brain Sciences, 2021, 11, 797	2.3	19
18	Evaluation of Relationship Between Sleep Bruxism and Headache Impact Test-6 (HIT-6) Scores: A Polysomnographic Study. Frontiers in Neurology, 2019, 10, 487.	2.4	18

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19	Electrocardiographic Changes in Workers Occupationally Exposed to Lead. , 2011, 16, 33-40.		16
20	Heart Rate Variability and Heart Rate Turbulence in Patients with Hematologic Malignancies Subjected to Highâ€Dose Chemotherapy in the Course of Hematopoietic Stem Cell Transplantation. Annals of Noninvasive Electrocardiology, 2014, 19, 157-165.	1.1	16
21	Ambulatory blood pressure monitoring and structural changes in carotid arteries in normotensive workers occupationally exposed to lead. Human and Experimental Toxicology, 2011, 30, 1174-1180.	2.2	15
22	Function of respiratory system evaluated using selected spirometry parameters in persons occupationally exposed to lead without evident health problems. Environmental Toxicology and Pharmacology, 2015, 39, 1034-1040.	4.0	15
23	Influence of age and gender on sleep bruxism and snoring in nonâ€apneic snoring patients: A polysomnographic study. Journal of Sleep Research, 2021, 30, e13178.	3.2	15
24	The impact of chronic co-exposure to different heavy metals on small fibers of peripheral nerves. A study of metal industry workers. Journal of Occupational Medicine and Toxicology, 2021, 16, 12.	2.2	15
25	Relationship between occupational exposure to lead and local arterial stiffness and left ventricular diastolic function in individuals with arterial hypertension. Toxicology and Applied Pharmacology, 2011, 254, 342-348.	2.8	13
26	Environmental Factors as Modulators of the Relationship between Obstructive Sleep Apnea and Lesions in the Circulatory System. Journal of Clinical Medicine, 2020, 9, 836.	2.4	13
27	Left ventricular diastolic dysfunction and plasma asymmetric dimethylarginine concentration in persons with essential hypertension. Archives of Medical Science, 2015, 3, 521-529.	0.9	11
28	Obstructive Sleep Apnea as a Risk Factor of Insulin Resistance in Nondiabetic Adults. Life, 2021, 11, 50.	2.4	11
29	Life style and cardiovascular risk factors among students of Wroclaw postgraduate schools. Polish Archives of Internal Medicine, 2008, 118, 102-110.	0.4	11
30	Incidence of Sleep Bruxism in Different Phenotypes of Obstructive Sleep Apnea. Journal of Clinical Medicine, 2022, 11, 4091.	2.4	11
31	Plasma asymmetric dimethylarginine predicts restenosis after coronary angioplasty. Archives of Medical Science, 2011, 3, 444-448.	0.9	10
32	The aortic mechanical properties in patients with the essential hypertension environmentally exposed to cigaret smoke. Inhalation Toxicology, 2015, 27, 717-723.	1.6	10
33	Endothelial Function in Patients with Hematologic Malignancies Undergoing High-Dose Chemotherapy Followed by Hematopoietic Stem Cell Transplantation. Cardiovascular Toxicology, 2016, 16, 156-162.	2.7	10
34	The Relationship between Sleep Bruxism Intensity and Renalase Concentration—An Enzyme Involved in Hypertension Development. Journal of Clinical Medicine, 2020, 9, 16.	2.4	9
35	The Impact of Temporary Stay at High Altitude on the Circulatory System. Journal of Clinical Medicine, 2021, 10, 1622.	2.4	9
36	The effect of continuous positive airway pressure and mandibular advancement device on sleep bruxism intensity in obstructive sleep apnea patients. Chronic Respiratory Disease, 2022, 19, 147997312110523.	2.4	9

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37	Impaired endothelial function assessed by flow-mediated vasodilatation in workers occupationally exposed to lead. Environmental Toxicology and Pharmacology, 2010, 29, 266-270.	4.0	8
38	Effects of cigarette smoke on Holter ECG recordings in patients with arterial hypertension. Part 1: Time domain parameters of heart rate variability. Environmental Toxicology and Pharmacology, 2014, 37, 404-413.	4.0	8
39	Interaction between blood selenium concentration and a levels of oxidative stress and antioxidative capacity in healthy children. Environmental Toxicology and Pharmacology, 2015, 39, 137-144.	4.0	8
40	Coexistence of cardiovascular risk factors and obstructive sleep apnoea in polysomnography. Respiratory Physiology and Neurobiology, 2022, 295, 103782.	1.6	8
41	Cardiovascular risk factors and the concentration of asymmetric dimethylarginine. Advances in Clinical and Experimental Medicine, 2020, 29, 63-70.	1.4	8
42	Relationships between Body Composition Parameters and Phase Angle as Related to Lifestyle among Young People. Journal of Clinical Medicine, 2022, 11, 80.	2.4	8
43	Volume of carotid bodies and cardiac autonomic function in patients with essential hypertension. Autonomic Neuroscience: Basic and Clinical, 2015, 190, 26-32.	2.8	7
44	Exposure to Cigarette Smoke and the Carotid Arteries Calcification Index in Patients with Essential Hypertension. Cardiovascular Toxicology, 2017, 17, 335-343.	2.7	7
45	Coexistence of obstructive sleep apnea and telomerase activity, concentration of selected adipose tissue hormones and vascular endothelial function in patients with arterial hypertension. Respiratory Medicine, 2019, 153, 20-25.	2.9	7
46	Obstructive Sleep Apnea as a Predictor of Arrhythmias in 24-h ECG Holter Monitoring. Brain Sciences, 2021, 11, 486.	2.3	7
47	Echocardiographic assessment of myocardial function in workers occupationally exposed to lead without clinically evident heart disease. Environmental Toxicology and Pharmacology, 2013, 36, 522-528.	4.0	6
48	Exposure to Cigarette Smoke and the Morphology of Atherosclerotic Plaques in the Extracranial Arteries Assessed by Computed Tomography Angiography in Patients with Essential Hypertension. Cardiovascular Toxicology, 2017, 17, 67-78.	2.7	6
49	The analysis of the parameters of 24â€hr <scp>ECG</scp> Holter monitoring in patients with blood neoplasms undergoing highâ€dose chemotherapy and stem cell transplantation. Annals of Noninvasive Electrocardiology, 2018, 23, e12534.	1.1	6
50	Consecutive Controlled Case Series on Effectiveness of Opipramol in Severe Sleep Bruxism Management—Preliminary Study on New Therapeutic Path. Brain Sciences, 2021, 11, 146.	2.3	6
51	Effect of Sleep Bruxism Intensity on Blood Pressure in Normotensives. Journal of Clinical Medicine, 2021, 10, 1304.	2.4	6
52	Renalase – a new understanding of its enzymatic and nonâ€enzymatic activity and its implications for future research. Clinical and Experimental Pharmacology and Physiology, 2022, 49, 3-9.	1.9	6
53	SNP rs198389 (Tâ€ʿ381 C) polymorphism in the Bâ€ʿtype natriuretic peptide gene promoter in patients with atherosclerotic renovascular hypertension. Polish Archives of Internal Medicine, 2009, 119, 219-224.	0.4	6
54	Assessment of Telomerase Reverse Transcriptase Single Nucleotide Polymorphism in Sleep Bruxism. Journal of Clinical Medicine, 2022, 11, 525.	2.4	6

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55	Assessment of cardiovascular risk in workers occupationally exposed to lead without clinical presentation of cardiac involvement. Environmental Toxicology and Pharmacology, 2012, 34, 351-357.	4.0	5
56	Primary cardiac lymphoma (PCL) – diagnostic difficulties. Kardiochirurgia I Torakochirurgia Polska, 2015, 3, 266-268.	0.1	5
57	The estimation of excessive daytime sleepiness in post-stroke patients - a polysomnographic study. Respiratory Physiology and Neurobiology, 2019, 267, 1-5.	1.6	5
58	Total antioxidant status reduction conditioned by a serum selenium concentration decrease as a mechanism of the ultrasonographically measured brachial artery dilatation impairment in patients with arterial hypertension. Environmental Toxicology and Pharmacology, 2020, 75, 103332.	4.0	5
59	Obstructive Sleep Apnea and Sleep Structure Assessed in Polysomnography and Right Ventricular Strain Parameters. Brain Sciences, 2022, 12, 331.	2.3	5
60	The Effect of Severity of Obstructive Sleep Apnea on Sleep Bruxism in Respiratory Polygraphy Study. Brain Sciences, 2022, 12, 828.	2.3	5
61	Blood selenium concentration in a selected population of children inhabiting industrial regions in Upper Silesia (Poland). Environmental Toxicology and Pharmacology, 2012, 34, 528-536.	4.0	4
62	Influence of environmental tobacco smoke on morphology and functions of cardiovascular system assessed using diagnostic imaging. Inhalation Toxicology, 2017, 29, 518-529.	1.6	4
63	The Relationship Between the Effectiveness of Blood Pressure Control and Telomerase Reverse Transcriptase Concentration, Adipose Tissue Hormone Concentration and Endothelium FunctionÂin Hypertensives. Heart Lung and Circulation, 2020, 29, e200-e209.	0.4	4
64	Renalase and hypertension—demographic and clinical correlates in obstructive sleep apnea. Sleep and Breathing, 2021, 25, 669-675.	1.7	4
65	Thickness of epicardial and pericoronary adipose tissue measured using 128-slice MSCT as predictors for risk of significant coronary artery diseases. Irish Journal of Medical Science, 2021, 190, 555-566.	1.5	4
66	Effect of environmental exposure to cigarette smoke on blood pressure in 24‑hour ambulatory blood pressure monitoring in patients with essential hypertension. Polish Archives of Internal Medicine, 2014, 124, 436-442.	0.4	4
67	The relationship between environmental exposure to cadmium and lead and blood selenium concentration in randomly selected population of children inhabiting industrial regions of Silesian Voivodship (Poland). Human and Experimental Toxicology, 2014, 33, 661-669.	2.2	3
68	Effects of cigarette smoke on Holter ECG recordings in patients with arterial hypertension. Part 2: Parameters of heart rate turbulence. Environmental Toxicology and Pharmacology, 2014, 37, 600-607.	4.0	3
69	The volume of the carotid bodies and blood pressure variability and pulse pressure in patients with essential hypertension. Clinical Radiology, 2016, 71, 616.e7-616.e13.	1.1	3
70	Echocardiographic evaluation of the early cardiotoxic effect of hematopoietic stem cell transplantation in patients with hematologic malignancies. Leukemia and Lymphoma, 2016, 57, 2119-2125.	1.3	3
71	Genetically determined enlargement of carotid body evaluated using computed angiotomography. Respiratory Physiology and Neurobiology, 2018, 254, 10-15.	1.6	3
72	The Total Antioxidant Status, Serum Selenium Concentrations and the Ultrasound Assessment Carotid Intima Media Thickness in Patients with Arterial Hypertension. Antioxidants, 2021, 10, 63.	5.1	3

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73	Left ventricular myocardial strain assessed by cardiac magnetic resonance feature tracking in patients with rheumatoid arthritis. Insights Into Imaging, 2021, 12, 5.	3.4	3
74	The Relationship between Occupationally Exposed Arsenic, Cadmium and Lead and Brain Bioelectrical Activity—A Visual and Brainstem Auditory Evoked Potentials Study. Brain Sciences, 2021, 11, 350.	2.3	3
75	Cranial dural arteriovenous fistula as a rare cause of tinnitus – case report. Polski Przeglad Radiologii I Medycyny Nuklearnej, 2013, 78, 65-69.	1.0	3
76	The Quality of Imaging of the Carotid Body by the Standard Protocol for Computed Tomography Angiography of the Carotid Arteries. Advances in Clinical and Experimental Medicine, 2015, 24, 1037-1043.	1.4	3
77	Radiological Cardiothoracic Ratio as a Potential Predictor of Right Ventricular Enlargement in Patients with Suspected Pulmonary Embolism Due to COVID-19. Journal of Clinical Medicine, 2021, 10, 5703.	2.4	3
78	Madelung's Disease as an Example of a Metabolic Disease Associated with Alcohol Abuse—Diagnostic Importance of Computed Tomography. International Journal of Environmental Research and Public Health, 2022, 19, 5168.	2.6	3
79	Left ventricular diastolic function in workers occupationally exposed to mercury vapour without clinical presentation of cardiac involvement. Toxicology and Applied Pharmacology, 2012, 263, 368-373.	2.8	2
80	Significance of external loop recorders (ELR) in diagnosis of disturbances in heart rhythm. Family Medicine and Primary Care Review, 2015, 3, 193-196.	0.2	2
81	The cardiovascular health score and the volume of carotid body in computed tomography angiography in patients with arterial hypertension. Journal of the American Society of Hypertension, 2018, 12, 551-560.	2.3	2
82	Environmental Tobacco Smoke Exposure Estimated Using the SHSES Scale and Epicardial Adipose Tissue Thickness in Hypertensive Patients. Cardiovascular Toxicology, 2021, 21, 79-87.	2.7	2
83	The COVID-19 pandemic, heart and cardiovascular diseases: What we have learned. Dental and Medical Problems, 2021, 58, 0-0.	2.0	2
84	The risk of coronary artery disease estimated non-invasively in patients with essential hypertension environmentally exposed to cigarette smoke. Environmental Toxicology and Pharmacology, 2017, 56, 114-120.	4.0	2
85	Abnormal P wave Morphology in the Electrocardiogram of a Hurdle Runner with a History of Presyncope - A Case Report. Medicina Sportiva, 2008, 12, 46-48.	0.3	2
86	Eagle's Syndrome as a Cause of Discomfort and the Subjective Presence of a Foreign Body in the Throat. Diagnostics, 2021, 11, 1832.	2.6	2
87	Serum Zinc and Selenium Concentrations in Patients with Hypertrophy and Remodelling of the Left Ventricle Secondary to Arterial Hypertension. Antioxidants, 2021, 10, 1803.	5.1	2
88	Cadmium Body Burden and Inflammatory Arthritis: A Pilot Study in Patients from Lower Silesia, Poland. International Journal of Environmental Research and Public Health, 2022, 19, 3099.	2.6	2
89	Association Between Serum Selenium Concentration and OPG/RANKL/RANK Axis in Patients with Arterial Hypertension. Cardiovascular Toxicology, 2022, 22, 620-630.	2.7	2
90	Telemetric Assessment of Continuous Positive Airways Pressure (CPAP) Effectiveness and Adherence in Obstructive Sleep Apnea during COVID-19 Pandemic. Biomedicines, 2022, 10, 1011.	3.2	2

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91	Blood Selenium Concentration and Blood Cystatin C Concentration in a Randomly Selected Population of Healthy Children Environmentally Exposed to Lead and Cadmium. Biological Trace Element Research, 2017, 175, 33-41.	3.5	1
92	Genetic variability in the system of natriuretic B peptide and principal toxicological parameters in workers exposed to lead. Environmental Toxicology and Pharmacology, 2017, 49, 74-80.	4.0	1
93	Two cases of the bronchial carcinoid tumors successfully treated with the parenchymal-sparing bronchoplastic resections. Journal of Thoracic Disease, 2017, 9, E669-E673.	1.4	1
94	Evaluation of the impact of treatment with hematopoietic stem cells transplantation (HSCT) on biochemical markers of heart function and novel electrocardiographic markers of repolarization in patients with hematological malignancies. Medical Oncology, 2018, 35, 162.	2.5	1
95	The relationship between PNP, GSTO-1, AS3MT and ADRB3 gene polymorphisms and urinary arsenic concentration among copper smelter and refinery employers. Human and Experimental Toxicology, 2020, 39, 1443-1453.	2.2	1
96	The Relationship between Selected CNR1, MC4R, LEP, FTO and VDR Gene Polymorphisms and Several Basic Toxicological Parameters Among Persons Occupationally Exposed to Arsenic, Cadmium and Lead. Journal of Clinical Medicine, 2020, 9, 1040.	2.4	1
97	Left Ventricular Rupture as a Complication of Anterior Wall Myocardial Infarction on Computed Tomography Angiography and Ventriculography. Diagnostics, 2021, 11, 525.	2.6	1
98	Selected clinical parameters and changes in cardiac morphology and function assessed by magnetic resonance imaging in patients with rheumatoid arthritis and ankylosing spondylitis without clinically apparent heart disease. Clinical Rheumatology, 2021, 40, 4701-4711.	2.2	1
99	Cardiac and vascular disorders as para-occupational diseases – a Polish perspective. Annals of Agricultural and Environmental Medicine, 2021, 28, 231-236.	1.0	1
100	Aortic Valve Calcification Score in Patients with Arterial Hypertension Environmentally Exposed to Tobacco Smoke. Cardiovascular Toxicology, 2021, 21, 869-879.	2.7	1
101	COVID‑19 pathology imaging: A one-year perspective. Dental and Medical Problems, 2021, 58, 377-384.	2.0	1
102	Coexistence of Common Pathologies of the Cardiovascular System in a Patient with Pain in the Right Lower Limb. Diagnostics, 2021, 11, 56.	2.6	1
103	Giant cell arteriitis in critical bilateral lower limb ischemia. Vasa - European Journal of Vascular Medicine, 2013, 42, 375-378.	1.4	1
104	Absence of the entire infrahepatic inferior vena cava. Vasa - European Journal of Vascular Medicine, 2014, 43, 73-77.	1.4	1
105	Modification in the imaging of the carotid body by means of the computed tomography angiography method – preliminary study Polski Przeglad Radiologii I Medycyny Nuklearnej, 2013, 78, 67-68.	1.0	1
106	Multiple atrial septal defects with concomitant partial anomalous pulmonary venous return on cardiac computed tomography. Kardiologia Polska, 2020, 78, 348-349.	0.6	1
107	A Single Coronary Artery Originating from the Right Coronary Sinus with a Typical Course of the Right Coronary Artery and the Interarterial Course of the Left Main, Left Anterior Descending, and Left Circumflex as an Example of a Rare Case of High-Risk Coronary Anomaly. Diagnostics, 2022, 12, 167.	2.6	1
108	Polysomnographic Evaluation of Sleep Bruxism Intensity and Sleep Architecture in Nonapneic Hypertensives: A Prospective, Observational Study. Journal of Clinical Medicine, 2022, 11, 3113.	2.4	1

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109	Radiological Cardiothoracic Ratio as a Potential Marker of Left Ventricular Hypertrophy Assessed by Echocardiography. Radiology Research and Practice, 2022, 2022, 1-9.	1.3	1
110	An Unusual Cause of Bilateral Massive Peripheral Edema in a Young Male with Type 1 Diabetes Mellitus. Canadian Journal of Diabetes, 2014, 38, 302-304.	0.8	0
111	Sensitivity and specificity of ECC-LVH indexes in the group of patients above 60 years old with arterial hypertension. Family Medicine and Primary Care Review, 2016, 1, 29-32.	0.2	0
112	Aortic-Diagonal Aneurysm as an Accidentally Detected Long-Term Consequence of CABG in a Patient Being Diagnosed Due to Dyspnoea. Heart Lung and Circulation, 2020, 29, e260-e261.	0.4	0
113	Occupational Brachial Artery Injury by a Foreign Body with Subsequent Soft Tissue Hematoma Superinfection. International Journal of Environmental Research and Public Health, 2021, 18, 6400.	2.6	0
114	Estimation of Aortic Valve Calcium Score Based on Angiographic Phase Versus Reduction of Ionizing Radiation Dose in Computed Tomography. Life, 2021, 11, 604.	2.4	0
115	Coronary-Pulmonary Artery Fistula Recanalization on Coronary Computed Tomography Angiography Images. Diagnostics, 2021, 11, 1921.	2.6	0
116	Levels of hemoglobin and lipid peroxidation metabolites in blood, catalase activity in erythrocytes and peak expiratory flow rate in subjects with passive exposure to tobacco smoke. Polish Archives of Internal Medicine, 2008, 118, 705-712.	0.4	0
117	A 128-slice CT scanner helpful in localising coronary sinus ostium during CRT-D implantation – case report. Polski Przeglad Radiologii I Medycyny Nuklearnej, 2014, 79, 9-11.	1.0	0
118	Genetic aspects of obesity and metabolic syndrome in people occupationally exposed to arsenic and certain heavy metals. Medycyna Åšrodowiskowa, 2020, 22, 29-32.	0.3	0
119	Radiation dose and repeatability of aortic valve measurement by multidetector row computed tomography to assess eligibility for transcatheter aortic valve implantation. Advances in Clinical and Experimental Medicine, 2020, 29, 983-992.	1.4	0
120	Significant Stenosis of the Brachiocephalic Trunk and Moderate Stenosis of the Left Circumflex Artery in Computed Tomography Angiography Images. Diagnostics, 2022, 12, 200.	2.6	0
121	Radiological cardiothoracic ratio as a potential predictor of right ventricular enlargement in patients with suspected pulmonary embolism due to COVID-19. European Heart Journal Cardiovascular Imaging, 2022, 23, .	1.2	0
122	The Importance of Cardiac Computed Tomography in the Diagnosis of Caseous Calcification of the Mitral Annulus—Case Reports. Diagnostics, 2022, 12, 667.	2.6	0
123	Optimization of the method of measuring left ventricular end-diastolic diameter in cardiac magnetic resonance as a predictor of left ventricular enlargement. Scientific Reports, 2022, 12, 8425.	3.3	0
124	Coexistence of Cor Triatriatum Sinister, Fibroelastoma and Pulmonary Veins Ostial Anatomy Variant as Incidental Findings in Coronary Computed Tomography Angiography. Diagnostics, 2022, 12, 1449.	2.6	0