

# Nikolaos G Kontopodis

## List of Publications by Year in descending order

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108  
papers

1,008  
citations

535685

17  
h-index

620720

26  
g-index

108  
all docs

108  
docs citations

108  
times ranked

1169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of abdominal aortic aneurysm growth by artificial intelligence taking into account clinical, biologic, morphologic, and biomechanical variables. <i>Vascular</i> , 2023, 31, 409-416.	0.4	3
2	Radiomics and machine learning to predict aggressive type 2 endoleaks after endovascular aneurysm repair: a proof of concept. <i>Acta Radiologica</i> , 2022, 63, 1293-1299.	0.5	13
3	Meta-Analysis of the Crossed Versus Standard Limb Configuration in Endovascular Aneurysm Repair. <i>Annals of Vascular Surgery</i> , 2022, 80, 358-369.	0.4	3
4	Dual-energy CT angiography in imaging surveillance of endovascular aneurysm repair – Preliminary study results. <i>European Journal of Radiology</i> , 2022, 148, 110165.	1.2	4
5	Should the Proximal Part of a Bifurcated Aortic Graft be Kept as Short as Possible? A Computational Study Elucidates on Aortic Graft Hemodynamics for Various Main Body Lengths. <i>Annals of Vascular Surgery</i> , 2022, 84, 344-353.	0.4	4
6	Perfusion imaging techniques in lower extremity peripheral arterial disease. <i>British Journal of Radiology</i> , 2022, 95, 20211203.	1.0	7
7	Regarding: Comparative outcomes of open abdominal therapy after ruptured abdominal aortic aneurysm via open and endovascular approaches.. <i>Annals of Vascular Surgery</i> , 2022, , .	0.4	0
8	Early Left Ventricular Global Longitudinal Strain Deterioration After Aortic Aneurysm Repair: Impact of Aortic Stiffness. <i>Journal of Endovascular Therapy</i> , 2021, 28, 352-359.	0.8	4
9	Oncovascular Resection and Reconstruction of Recurrent Retroperitoneal Liposarcoma Adherent to the Iliac Veins and Vena Cava. <i>Vascular Specialist International</i> , 2021, 37, 58-59.	0.2	1
10	Time-to-event data meta-analysis of late outcomes of endovascular versus open repair for ruptured abdominal aortic aneurysms. <i>Journal of Vascular Surgery</i> , 2021, 74, 628-638.e4.	0.6	10
11	The Use of a Suture Mediated Vascular Closure Device to Achieve Hemostasis following Arterial Access through Previously Implanted Synthetic Grafts. <i>Annals of Vascular Surgery</i> , 2021, 73, 496-499.	0.4	0
12	Endovascular Aneurysm Repair with Bifurcated Stent Grafts in Patients with Narrow Versus Regular Aortic Bifurcation: Systematic Review and Meta-analysis of Comparative Studies. <i>Annals of Vascular Surgery</i> , 2021, 73, 385-396.	0.4	5
13	Discrimination of High-Risk Type-2 Endoleak after Endovascular Aneurysm Repair through CT Perfusion: A Feasibility Study. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 807-812.	0.2	5
14	Editor's Choice – Systematic Review and Meta-Analysis of the Impact of Institutional and Surgeon Procedure Volume on Outcomes After Ruptured Abdominal Aortic Aneurysm Repair. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 388-398.	0.8	17
15	Perfusion Digital Subtraction Angiography: Is it Time to Step Towards Functional Imaging of Endovascular Aneurysm Repair Patients?. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 821-822.	0.8	1
16	Evaluation of foot hypoperfusion and estimation of percutaneous transluminal angioplasty outcome in patients with critical limb ischemia using intravoxel incoherent motion microperfusion MRI. <i>British Journal of Radiology</i> , 2021, 94, 20210215.	1.0	4
17	Multiple sites of arterial thrombosis in a 35-year old patient after ChAdOx1 (AstraZeneca) vaccination, requiring emergent femoral and carotid surgical thrombectomy. <i>Annals of Vascular Surgery</i> , 2021, , .	0.4	4
18	Images in Vascular Medicine: Bright light amaurosis – When external carotid artery stenosis matters. <i>Vascular Medicine</i> , 2021, , 1358863X2110485.	0.8	0

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19	Intra-operative Diagnosis of an Intermittent Endoleak not evident on conventional imaging. <i>Annals of Vascular Surgery Brief Reports and Innovations</i> , 2021, 1, 100019.	0.1	1
20	Regarding: Stress Analysis in AAA does not Predict Rupture Location Correctly in Patients with Intraluminal Thrombus. <i>Annals of Vascular Surgery</i> , 2021, , .	0.4	0
21	A Unique Clinical Presentation of Subclavian Steal Syndrome Provoked by Walking in a Patient with a Patent Axillo-Femoral Bypass. <i>Vascular Specialist International</i> , 2021, 37, 35.	0.2	0
22	Direct Iliac Vein Stenting in Phlegmasia Cerulea Dolens Caused by May-Thurner Syndrome. <i>Vascular Specialist International</i> , 2021, 37, 37.	0.2	2
23	Feasibility of ischemic leg ulcer healing using percutaneous techniques: a real-life study. <i>Acta Radiologica</i> , 2020, 61, 353-360.	0.5	1
24	Paraoxonase-1 and Symptomatic Status in Carotid Artery Disease. <i>Annals of Vascular Surgery</i> , 2020, 64, 355-360.	0.4	6
25	In Situ Composite Homograft Utilizing the Femoral Vein and the Occluded Superficial Femoral Artery after Eversion Endarterectomy for the Management of an Iliofemoral Synthetic Graft Infection. <i>Annals of Vascular Surgery</i> , 2020, 65, 287.e11-287.e15.	0.4	0
26	Parallel Grafts to Treat Juxtarenal Aneurysms Using the Ovation Stent Graft System. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 60, 479.	0.8	2
27	Endovascular Treatment of Malignant Superior Vena Cava Syndrome through Upper-Limb Access: A Comparison between Venous-Dedicated and Conventional Stents. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 2066-2072.	0.2	4
28	An update on the improvement of patient eligibility with the use of new generation endografts for the treatment of abdominal aortic aneurysms. <i>Expert Review of Medical Devices</i> , 2020, 17, 1231-1238.	1.4	16
29	Meta-Analysis and Meta-Regression Analysis of Outcomes of Endovascular and Open Repair for Ruptured Abdominal Aortic Aneurysm. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 399-410.	0.8	59
30	Systematic Review and Meta-Analysis of Outcomes of Open and Endovascular Repair of Ruptured Abdominal Aortic Aneurysm in Patients with Hostile vs. Friendly Aortic Anatomy. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 717-728.	0.8	19
31	Does a previous aortic endograft confer any protective effect during abdominal aortic aneurysm rupture? Systematic review and meta-analysis of comparative studies. <i>Vascular</i> , 2020, 28, 241-250.	0.4	1
32	Dynamic CT perfusion imaging for type 2 endoleak assessment after endograft placement. <i>Medical Hypotheses</i> , 2020, 139, 109701.	0.8	2
33	The role of dynamic contrast-enhanced MRI in evaluation of percutaneous transluminal angioplasty outcome in patients with critical limb ischemia. <i>European Journal of Radiology</i> , 2020, 129, 109081.	1.2	6
34	Ultrasonography for the diagnosis of extra-cranial carotid occlusion – diagnostic test accuracy meta-analysis. <i>Vasa - European Journal of Vascular Medicine</i> , 2020, 49, 195-204.	0.6	3
35	Local Metastatic Neck Cancer Involving the Distal Internal Carotid Artery Treated with En Bloc Resection and Arterial Reconstruction after Mandibular Osteotomy. <i>Vascular Specialist International</i> , 2020, 36, 252-257.	0.2	1
36	Spontaneous Type Ia Endoleak Sealing in Patients Undergoing Endovascular Aneurysm Repair With the Ovation Stent Graft. <i>Annals of Vascular Surgery</i> , 2019, 54, 240-247.	0.4	14

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37	A nice (aortic) neck that choked: Commentary to: "The great choke, Ovation aortic body graft stenosis" by Alsheekh et al.. Vascular, 2019, 27, 454-455.	0.4	0
38	Hemodynamics and reverse remodeling associated with Mosaic, Perimount and Trifecta aortic bioprostheses.. Expert Review of Medical Devices, 2019, 16, 743-751.	1.4	1
39	Acute Testicular Ischaemia Following Endovascular Aneurysm Repair on the Opposite Side to Intentional Internal Iliac Artery Occlusion. EJVES Short Reports, 2019, 43, 28-32.	0.7	2
40	CT Foot Perfusion Examination for Evaluation of Percutaneous Transluminal Angioplasty Outcome in Patients with Critical Limb Ischemia: A Feasibility Study. Journal of Vascular and Interventional Radiology, 2019, 30, 560-568.	0.2	14
41	Analysis of Echocardiographic Markers and Pulse Wave Velocities in a Patient Who Developed New Cardiac Symptoms after Implantation of an Aortic Endograft. Annals of Vascular Surgery, 2019, 58, 381.e11-381.e16.	0.4	1
42	Spatial Distribution of Abdominal Aortic Aneurysm Surface Expansion and Correlation With Maximum Diameter and Volume Growth. Annals of Vascular Surgery, 2019, 58, 276-288.	0.4	5
43	Suprarenal Aortic Remodeling after Endovascular Aortic Aneurysm Repair among Three Endografts with Different Types of Proximal Fixation System. Annals of Vascular Surgery, 2019, 61, 341-349.	0.4	3
44	Meta-analysis of the accuracy of contrast-enhanced ultrasound for the detection of endoleak after endovascular aneurysm repair. Journal of Vascular Surgery, 2019, 69, 280-294.e6.	0.6	32
45	A clinical update on the mid-term clinical performance of the Ovation endograft. Expert Review of Medical Devices, 2019, 16, 57-62.	1.4	7
46	18F-FDG PET in the Diagnosis of Vascular Prosthetic Graft Infection: A Diagnostic Test Accuracy Meta-Analysis. European Journal of Vascular and Endovascular Surgery, 2019, 57, 292-301.	0.8	52
47	Intraluminal Thrombus Deposition Is Reduced in Ruptured Compared to Diameter-matched Intact Abdominal Aortic Aneurysms. Annals of Vascular Surgery, 2019, 55, 189-195.	0.4	7
48	Screening for Abdominal Aortic Aneurysm During Transthoracic Echocardiography: A Systematic Review and Meta-analysis. European Journal of Vascular and Endovascular Surgery, 2018, 55, 475-491.	0.8	23
49	Commentary: The Significance of a Fast-Track EVAR Procedure: It's Not the Years in Your Life That Count, It's the Life in Your Years. Journal of Endovascular Therapy, 2018, 25, 14-15.	0.8	0
50	The Use of the Profunda Femoral Artery as the Sole Target Vessel to Bypass Aortoiliac Disease in Patients with Critical Limb Ischemia and Concomitant Unreconstructable Infrainguinal Disease. Annals of Vascular Surgery, 2018, 48, 45-52.	0.4	4
51	Correlation of Intraluminal Thrombus Deposition, Biomechanics, and Hemodynamics with Surface Growth and Rupture in Abdominal Aortic Aneurysms: Application in a Clinical Paradigm. Annals of Vascular Surgery, 2018, 46, 357-366.	0.4	10
52	Late Type IA Endoleak after Open Surgical Repair of an Aortic Aneurysm Leading to Rupture: Does this Really Exist?. American Surgeon, 2018, 84, 153-155.	0.4	0
53	The Role of Pre-operative Ultrasonography Predictors of Endovenous Heat Induced Thrombosis After Radiofrequency Ablation. New Modalities, New Complications, New Risk Markers: Are They Critical or Irrelevant?. European Journal of Vascular and Endovascular Surgery, 2018, 56, 101.	0.8	0
54	The Obsolete Maximum Diameter Criterion, the Evident Role of Biomechanical (Pressure) Indices, the New Role of Hemodynamic (Flow) Indices, and the Multi-Modal Approach to the Rupture Risk Assessment of Abdominal Aortic Aneurysms. Annals of Vascular Diseases, 2018, 11, 78-83.	0.2	9

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55	Has Anatomic Complexity of Abdominal Aortic Aneurysms Undergoing Open Surgical Repair Changed after the Introduction of Endovascular Treatment? Systematic Review and Meta-analysis of Comparative Studies. <i>Annals of Vascular Surgery</i> , 2018, 52, 292-301.	0.4	8
56	Improvement of patient eligibility with the use of new generation endografts for the treatment of abdominal aortic aneurysms. A comparison study among currently used endografts and literature review. <i>Expert Review of Medical Devices</i> , 2017, 14, 245-250.	1.4	37
57	Perfusion computed tomography imaging of abdominal aortic aneurysms may be of value for patient specific rupture risk estimation. <i>Medical Hypotheses</i> , 2017, 101, 6-10.	0.8	2
58	Commentary: Preoperative Aortic Morphology Identifies Patients at High Risk for Late Failure of Endovascular Aneurysm Repair. <i>Journal of Endovascular Therapy</i> , 2017, 24, 418-420.	0.8	0
59	Hyperthermic isolated limb perfusion. The switch from Steinmann pins to Omni-tract assisted isolation. <i>Journal of Surgical Research</i> , 2017, 213, 147-157.	0.8	5
60	A robust approach for exploring hemodynamics and thrombus growth associations in abdominal aortic aneurysms. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 1493-1506.	1.6	25
61	Acute aortic occlusion due to tumor embolism in a patient with lung malignancy. <i>SAGE Open Medical Case Reports</i> , 2017, 5, 2050313X1772062.	0.2	3
62	Direct Stenting in Patients with Acute Lower Limb Arterial Occlusions: Immediate and Long-Term Results. <i>CardioVascular and Interventional Radiology</i> , 2017, 40, 192-201.	0.9	6
63	Embolization or Simple Coverage to Exclude the Internal Iliac Artery During Endovascular Repair of Aortoiliac Aneurysms? Systematic Review and Meta-analysis of Comparative Studies. <i>Journal of Endovascular Therapy</i> , 2017, 24, 47-56.	0.8	18
64	Prognosis of Abdominal Aortic Aneurysms: A Machine Learning-Enabled Approach Merging Clinical, Morphometric, Biomechanical and Texture Information. , 2017, , .		0
65	Deformation and distensibility distribution along the abdominal aorta in the presence of aneurysmal dilatation. <i>Journal of Cardiovascular Surgery</i> , 2017, 58, 72-79.	0.3	6
66	The “Not So Solid 5.5cm Threshold for Abdominal Aortic Aneurysm Repair: Facts, Misinterpretations, and Future Directions. <i>Frontiers in Surgery</i> , 2016, 3, 1.	0.6	58
67	Lower Limb Extra-anatomic Revascularization through the Wing of the Iliac Bone to Avoid the Infected Groin. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 51, 781.	0.8	2
68	Ultrasound Guided Compression Versus Ultrasound Guided Thrombin Injection for the Treatment of Post-Catheterization Femoral Pseudoaneurysms: Systematic Review and Meta-Analysis of Comparative Studies. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 51, 815-823.	0.8	33
69	Noninvasive Estimation of Aneurysm Sac Pressurization Following Endovascular Aneurysm Repair Using M-Mode Ultrasonography to Evaluate Significance of Endoleaks. <i>Journal of Endovascular Therapy</i> , 2016, 23, 606-613.	0.8	1
70	Selective Spleen Embolization of Splenomegaly to Improve Thrombocytopenia Facilitating Open Aortic Aneurysm Repair. <i>Vascular and Endovascular Surgery</i> , 2016, 50, 438-442.	0.3	0
71	Profunda Femoral to Anterior Tibial Artery Bypass to Treat Critical Limb Ischemia in a Patient with Numerous Prior Arterial Reconstructions. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 52, 702.	0.8	0
72	Descending Thoracic Aorta Bi-femoral Bypass for Aortoiliac Disease in Patients with a Hostile Abdomen. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 52, 735.	0.8	0

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73	Routine use of an aortic balloon to resolve possible inflow stenosis induced by the inflatable ring fixation mechanism of the Ovation endograft. <i>Radiologia Medica</i> , 2016, 121, 882-889.	4.7	3
74	Commentary: Unraveling the Natural History of Aneurysms by Exploiting Clinical Images. <i>Journal of Endovascular Therapy</i> , 2016, 23, 967-968.	0.8	0
75	Hemodynamic impact of abdominal aortic aneurysm stent-graft implantation-induced stenosis. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1523-1532.	1.6	11
76	Axillo-bifemoral Vascular Graft Infection Treated by Excision and Contralateral Reconstruction to the Popliteal Artery Through the Obturator Foramen. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 51, 556.	0.8	0
77	Effectiveness of Platelet-Rich Plasma to Enhance Healing of Diabetic Foot Ulcers in Patients With Concomitant Peripheral Arterial Disease and Critical Limb Ischemia. <i>International Journal of Lower Extremity Wounds</i> , 2016, 15, 45-51.	0.6	36
78	Advances in determining abdominal aortic aneurysm size and growth. <i>World Journal of Radiology</i> , 2016, 8, 148.	0.5	19
79	O-shaped, Non-pulsatile Distal Superficial Femoral Artery Pseudoaneurysm in the Presence of Proximal Occlusion. <i>European Journal of Vascular and Endovascular Surgery</i> , 2015, 50, 721.	0.8	2
80	Totally Percutaneous Endovascular Aneurysm Repair Using the Preclosing Technique. <i>Surgical Laparoscopy, Endoscopy and Percutaneous Techniques</i> , 2015, 25, 354-357.	0.4	17
81	The Effect of Ovation Stent-Graft System on Aortic Pulse Wave Velocity: Preliminary Report on 3 Cases. <i>Annals of Vascular Surgery</i> , 2015, 29, 1658.e5-1658.e9.	0.4	4
82	The influence of intraluminal thrombus on noninvasive abdominal aortic aneurysm wall distensibility measurement. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 299-308.	1.6	11
83	A Case of Difficult Catheterization of the Contralateral Limb of the Ovation Abdominal Stent Graft System in Challenging Aortoiliac Anatomy, Facilitated through the Brachial Access: A Word of Caution. <i>Annals of Vascular Surgery</i> , 2015, 29, 392-396.	0.4	11
84	Commentary: Transcaval Approach in the Management of a Type I Endoleak Associated With the Ovation Stent-Graft System. <i>Journal of Endovascular Therapy</i> , 2015, 22, 431-435.	0.8	3
85	Effect of Intraluminal Thrombus Asymmetrical Deposition on Abdominal Aortic Aneurysm Growth Rate. <i>Journal of Endovascular Therapy</i> , 2015, 22, 406-412.	0.8	31
86	Intraoperative Endovascular Stent-graft Repair of a Popliteal Artery Laceration and Occlusion during Total Knee Arthroplasty. <i>Annals of Vascular Surgery</i> , 2015, 29, 1453.e9-1453.e14.	0.4	13
87	Immediate Change in Suprarenal Neck Angulation After Endovascular Aneurysm Repair. <i>Journal of Endovascular Therapy</i> , 2015, 22, 613-619.	0.8	17
88	Endovascular aneurysm repair with the Ovation TriVascular Stent Graft System utilizing a predominantly percutaneous approach under local anaesthesia. <i>British Journal of Radiology</i> , 2015, 88, 20140735.	1.0	17
89	Bifurcated Aortoiliac Endograft Limb Occlusion during Deployment and Its Bailout Conversion Using the External Iliac Artery to Internal Iliac Artery Endograft Technique. <i>Annals of Vascular Surgery</i> , 2015, 29, 1029-1034.	0.4	10
90	Advancements in identifying biomechanical determinants for abdominal aortic aneurysm rupture. <i>Vascular</i> , 2015, 23, 65-77.	0.4	29

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91	Endovascular vs Open Aneurysm Repair in the Young. <i>Journal of Endovascular Therapy</i> , 2015, 22, 897-904.	0.8	30
92	Kidney Salvage During Surgical Treatment of a Pararenal Mycotic Aortic Aneurysm. <i>Indian Journal of Surgery</i> , 2015, 77, 1385-1386.	0.2	0
93	Applying Findings of Computational Studies in Vascular Clinical Practice: Fact, Fiction, or Misunderstanding?. <i>Journal of Endovascular Therapy</i> , 2014, 21, 434-438.	0.8	7
94	Graft Inflow Stenosis Induced by the Inflatable Ring Fixation Mechanism of the Ovation Stent-Graft System: Hemodynamic and Clinical Implications. <i>Journal of Endovascular Therapy</i> , 2014, 21, 829-838.	0.8	17
95	Value of volume measurements in evaluating abdominal aortic aneurysms growth rate and need for surgical treatment. <i>European Journal of Radiology</i> , 2014, 83, 1051-1056.	1.2	27
96	Regarding "One-year outcomes from an international study of the Ovation abdominal stent graft system for endovascular aneurysm repair". <i>Journal of Vascular Surgery</i> , 2014, 59, 877.	0.6	0
97	The Chimney Technique with the Ovation Abdominal Stent Graft System: An Ideal Platform for Self-expandable Renal Stents?. <i>CardioVascular and Interventional Radiology</i> , 2014, 37, 1393-1394.	0.9	1
98	Geometrical Factors Influencing the Hemodynamic Behavior of the AAA Stent Grafts: Essentials for the Clinician. <i>CardioVascular and Interventional Radiology</i> , 2014, 37, 1420-1429.	0.9	28
99	Changes in geometric configuration and biomechanical parameters of a rapidly growing abdominal aortic aneurysm may provide insight in aneurysms natural history and rupture risk. <i>Theoretical Biology and Medical Modelling</i> , 2013, 10, 67.	2.1	14
100	Estimation of wall properties and wall strength of aortic aneurysms using modern imaging techniques. One more step towards a patient-specific assessment of aneurysm rupture risk. <i>Medical Hypotheses</i> , 2013, 81, 212-215.	0.8	7
101	Discrepancies in determination of abdominal aortic aneurysms maximum diameter and growth rate, using axial and orthogonal computed tomography measurements. <i>European Journal of Radiology</i> , 2013, 82, 1398-1403.	1.2	20
102	Abdominal Aortic Aneurysm Rupture Risk Assessment Exploiting Dynamic (4D) CT Based Wall Motion Data and Finite Element Analysis. , 2013, , .		0
103	Interpretation of the Relationship Between Changes in Pulse Wave Velocity and Vascular Interventions: A Word of Caution. <i>Journal of Endovascular Therapy</i> , 2013, 20, 125-128.	0.8	4
104	Medical management of acute type a aortic dissection in association with early open repair of acute limb ischemia may prevent aortic surgery. <i>American Journal of Case Reports</i> , 2013, 14, 52-57.	0.3	9
105	Repair of an inguinoscrotal hernia containing the urinary bladder: a case report. <i>Journal of Medical Case Reports</i> , 2012, 6, 90.	0.4	10
106	Biomechanic and Hemodynamic Perspectives in Abdominal Aortic Aneurysm Rupture Risk Assessment. , 0, , .		4
107	Efficacy of preoperative computed tomography imaging to reduce negative appendectomies in patients undergoing surgery for left lower quadrant abdominal pain. <i>Giornale Di Chirurgia</i> , 0, , .	0.5	0
108	Concomitant Treatment of Several Visceral and Renal Artery Pathologies during Open Abdominal Aortic Aneurysm Repair. <i>Vascular Specialist International</i> , 0, 38, .	0.2	0