

RÃ¼diger von Kummer

List of Publications by Year in descending order

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136
papers

27,776
citations

61857

43
h-index

19690

117
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140
all docs

140
docs citations

140
times ranked

15417
citing authors

#	ARTICLE	IF	CITATIONS
1	Computed Tomography-Based Evaluation of Cerebrovascular Disease. , 2022, , 660-675.e3.		0
2	Accuracy of Automated Computer-Aided Diagnosis for Stroke Imaging: A Critical Evaluation of Current Evidence. Stroke, 2022, 53, 2393-2403.	1.0	22
3	The SITS Open Study. Stroke, 2021, 52, 792-801.	1.0	2
4	Stroke medicine terminology: imprecise, wordy, and misleading. Neuroradiology, 2021, 63, 825-827.	1.1	0
5	50 years of Neuroradiology. Neuroradiology, 2020, 62, 1-2.	1.1	0
6	Osmotherapy for malignant cerebral edema in a phase 2 prospective, double blind, randomized, placebo-controlled study of IV glibenclamide. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104916.	0.7	5
7	Major Artery Ischemic Stroke. , 2019, , 137-165.		0
8	Major Artery Ischemic Stroke. , 2019, , 1-30.		0
9	Intravenous Glibenclamide Reduces Lesional Water Uptake in Large Hemispheric Infarction. Stroke, 2019, 50, 3021-3027.	1.0	50
10	2018/2019. Neuroradiology, 2019, 61, 1-1.	1.1	2
11	Time Is Brain. Stroke, 2019, 50, 552-553.	1.0	3
12	Treatment of ischemic stroke beyond 3 hours: is time really brain?. Neuroradiology, 2019, 61, 115-117.	1.1	7
13	Trials on ischemic stroke treatment: mission accomplished?. Neuroradiology, 2018, 60, 127-128.	1.1	2
14	Blood pressure variability and leukoaraiosis in acute ischemic stroke. International Journal of Stroke, 2018, 13, 473-480.	2.9	5
15	Effect of IV glyburide on adjudicated edema endpoints in the GAMES-RP Trial. Neurology, 2018, 91, e2163-e2169.	1.5	56
16	Effect of IV alteplase on the ischemic brain lesion at 24â€“48 hours after ischemic stroke. Neurology, 2018, 91, e2067-e2077.	1.5	9
17	2017/2018. Neuroradiology, 2018, 60, 1-2.	1.1	5
18	Effects of alteplase for acute stroke according to criteria defining the European Union and United States marketing authorizations: Individual-patient-data meta-analysis of randomized trials. International Journal of Stroke, 2018, 13, 175-189.	2.9	36

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19	Response: Letter to the Editor: Thoughts on "œls advanced neuroimaging for neuroradiologists?" by S. Coccozza and the content of "œNeuroradiology" by Lars Arnim RÄ¼diger. <i>Neuroradiology</i> , 2017, 59, 103-103.	1.1	0
20	Accelerated Age-Dependent Hippocampal Volume Loss in Parkinson Disease With Mild Cognitive Impairment. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2017, 32, 313-319.	0.9	16
21	Observed Cost and Variations in Short Term Cost Effectiveness of Therapy for Ischemic Stroke in Interventional Management of Stroke (IMS) III. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	16
22	Acute endovascular treatment delivery to ischemic stroke patients transferred within a telestroke network: a retrospective observational study. <i>International Journal of Stroke</i> , 2017, 12, 502-509.	2.9	43
23	Reply:. <i>American Journal of Neuroradiology</i> , 2017, 38, E44-E45.	1.2	0
24	Analyses of thrombi in acute ischemic stroke: A consensus statement on current knowledge and future directions. <i>International Journal of Stroke</i> , 2017, 12, 606-614.	2.9	128
25	Imaging of cerebral ischemic edema and neuronal death. <i>Neuroradiology</i> , 2017, 59, 545-553.	1.1	78
26	Impact of Thrombus Length on Outcomes After Intra-Arterial Aspiration Thrombectomy in the THERAPY Trial. <i>Stroke</i> , 2017, 48, 1895-1900.	1.0	36
27	Arterial Obstruction on Computed Tomographic or Magnetic Resonance Angiography and Response to Intravenous Thrombolytics in Ischemic Stroke. <i>Stroke</i> , 2017, 48, 353-360.	1.0	33
28	Response by Yoo et al to Letter Regarding Article, "œImpact of Thrombus Length on Outcomes After Intra-Arterial Aspiration Thrombectomy in the THERAPY Trial" Stroke, 2017, 48, e307.	1.0	0
29	Thank you, Guy. <i>Neuroradiology</i> , 2017, 59, 3-3.	1.1	0
30	Endovascular Therapy of M2 Occlusion in IMS III: Role of M2 Segment Definition and Location on Clinical and Revascularization Outcomes. <i>American Journal of Neuroradiology</i> , 2017, 38, 84-89.	1.2	30
31	Diagnostic Impact of Bone-Subtraction CT Angiography for Patients with Acute Subarachnoid Hemorrhage. <i>American Journal of Neuroradiology</i> , 2016, 37, 236-243.	1.2	10
32	Early CT Score to establish stroke treatment. <i>Lancet Neurology</i> , The, 2016, 15, 651-653.	4.9	2
33	Aspiration Thrombectomy After Intravenous Alteplase Versus Intravenous Alteplase Alone. <i>Stroke</i> , 2016, 47, 2331-2338.	1.0	258
34	Leukoaraiosis, Cerebral Hemorrhage, and Outcome After Intravenous Thrombolysis for Acute Ischemic Stroke. <i>Stroke</i> , 2016, 47, 2364-2372.	1.0	75
35	Effects of Alteplase for Acute Stroke on the Distribution of Functional Outcomes. <i>Stroke</i> , 2016, 47, 2373-2379.	1.0	193
36	Effect of Right Insular Involvement on Death and Functional Outcome After Acute Ischemic Stroke in the IST-3 Trial (Third International Stroke Trial). <i>Stroke</i> , 2016, 47, 2959-2965.	1.0	25

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37	Desmoteplase 3 to 9 Hours After Major Artery Occlusion Stroke. <i>Stroke</i> , 2016, 47, 2880-2887.	1.0	48
38	Good news about the ESNR-Springer Award. <i>Neuroradiology</i> , 2016, 58, 431-431.	1.1	0
39	Risk of intracerebral haemorrhage with alteplase after acute ischaemic stroke: a secondary analysis of an individual patient data meta-analysis. <i>Lancet Neurology</i> , The, 2016, 15, 925-933.	4.9	187
40	Computed Tomography-based Evaluation of Cerebrovascular Disease. , 2016, , 751-767.		0
41	Effect of alteplase on the CT hyperdense artery sign and outcome after ischemic stroke. <i>Neurology</i> , 2016, 86, 118-125.	1.5	33
42	Preventive brain radiochemotherapy alters plasticity associated metabolite profile in the hippocampus but seems to not affect spatial memory in young leukemia patients. <i>Brain and Behavior</i> , 2015, 5, e00368.	1.0	3
43	Accuracy of subthalamic nucleus targeting by T2, FLAIR and SWI-3-Tesla MRI confirmed by microelectrode recordings. <i>Acta Neurochirurgica</i> , 2015, 157, 479-486.	0.9	37
44	Observer reliability of CT angiography in the assessment of acute ischaemic stroke: data from the Third International Stroke Trial. <i>Neuroradiology</i> , 2015, 57, 1-9.	1.1	38
45	Twelve-Month Clinical and Quality-of-Life Outcomes in the Interventional Management of Stroke III Trial. <i>Stroke</i> , 2015, 46, 1321-1327.	1.0	26
46	Scoring flow restoration in cerebral angiograms after endovascular revascularization in acute ischemic stroke patients. <i>Neuroradiology</i> , 2015, 57, 227-240.	1.1	43
47	Thrombectomy in patients with tandem stenoses. <i>Neuroradiology</i> , 2015, 57, 547-549.	1.1	0
48	Thrombectomy within 8 Hours after Symptom Onset in Ischemic Stroke. <i>New England Journal of Medicine</i> , 2015, 372, 2296-2306.	13.9	4,059
49	Safety and efficacy of desmoteplase given 3-9 h after ischaemic stroke in patients with occlusion or high-grade stenosis in major cerebral arteries (DIAS-3): a double-blind, randomised, placebo-controlled phase 3 trial. <i>Lancet Neurology</i> , The, 2015, 14, 575-584.	4.9	95
50	Endovascular Therapy Is Effective and Safe for Patients With Severe Ischemic Stroke. <i>Stroke</i> , 2015, 46, 3416-3422.	1.0	41
51	Selection for Delayed Intravenous Alteplase Treatment Based on a Prognostic Score. <i>International Journal of Stroke</i> , 2015, 10, 90-94.	2.9	8
52	The Heidelberg Bleeding Classification. <i>Stroke</i> , 2015, 46, 2981-2986.	1.0	755
53	Sensitivity and Specificity of the Hyperdense Artery Sign for Arterial Obstruction in Acute Ischemic Stroke. <i>Stroke</i> , 2015, 46, 102-107.	1.0	106
54	Protocol for the Perfusion and Angiography Imaging Sub-Study of the Third International Stroke Trial (IST-3) of Alteplase Treatment within Six-Hours of Acute Ischemic Stroke. <i>International Journal of Stroke</i> , 2015, 10, 956-968.	2.9	21

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55	Prognostic Value of Conventional Magnetic Resonance Imaging for Adult Patients with Brain Tumors. <i>Clinical Neuroradiology</i> , 2015, 25, 281-289.	1.0	4
56	Therapeutic efficacy of brain imaging in acute ischemic stroke patients. <i>Journal of Neuroradiology</i> , 2015, 42, 47-54.	0.6	13
57	Effect of X-Ray Attenuation of Arterial Obstructions on Intravenous Thrombolysis and Outcome after Ischemic Stroke. <i>PLoS ONE</i> , 2015, 10, e0145683.	1.1	3
58	Alberta Stroke Program Early Computed Tomography Score to Select Patients for Endovascular Treatment. <i>Stroke</i> , 2014, 45, 444-449.	1.0	127
59	Evolution of Practice During the Interventional Management of Stroke III Trial and Implications for Ongoing Trials. <i>Stroke</i> , 2014, 45, 3606-3611.	1.0	10
60	Recanalization and Clinical Outcome of Occlusion Sites at Baseline CT Angiography in the Interventional Management of Stroke III Trial. <i>Radiology</i> , 2014, 273, 202-210.	3.6	141
61	Medical management with or without interventional therapy for unruptured brain arteriovenous malformations (ARUBA): a multicentre, non-blinded, randomised trial. <i>Lancet</i> , The, 2014, 383, 614-621.	6.3	1,008
62	IMS-3, SYNTHESIS, and MR RESCUE: No Disaster, but Down to Earth. <i>Clinical Neuroradiology</i> , 2013, 23, 1-3.	1.0	13
63	Is There Pseudoprogression in Secondary Glioblastomas?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 1094-1099.	0.4	10
64	APOE associated hemispheric asymmetry of entorhinal cortical thickness in aging and Alzheimer's disease. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 212-220.	0.9	64
65	Endovascular Therapy after Intravenous t-PA versus t-PA Alone for Stroke. <i>New England Journal of Medicine</i> , 2013, 368, 893-903.	13.9	1,666
66	Neuroborreliosis-associated cerebral vasculitis: long-term outcome and health-related quality of life. <i>Journal of Neurology</i> , 2013, 260, 1569-1575.	1.8	66
67	Recommendations on Angiographic Revascularization Grading Standards for Acute Ischemic Stroke. <i>Stroke</i> , 2013, 44, 2650-2663.	1.0	1,264
68	Acute Stroke Imaging Research Roadmap II. <i>Stroke</i> , 2013, 44, 2628-2639.	1.0	192
69	The Desmoteplase in Acute Ischemic Stroke (DIAS) Clinical Trial Program. <i>International Journal of Stroke</i> , 2012, 7, 589-596.	2.9	43
70	Treatment of acute ischemic stroke: systemic or local?. <i>Annals of the New York Academy of Sciences</i> , 2012, 1268, 79-84.	1.8	1
71	Future trials of endovascular mechanical recanalisation therapy in acute ischemic stroke patients: a position paper endorsed by ESMINT and ESNR. <i>Neuroradiology</i> , 2012, 54, 1293-1301.	1.1	8
72	Future trials of endovascular mechanical recanalisation therapy in acute ischemic stroke patients - A position paper endorsed by ESMINT and ESNR. <i>Neuroradiology</i> , 2012, 54, 1303-1312.	1.1	6

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73	Door-to-needle times in acute ischemic stroke. <i>Neurology</i> , 2012, 79, 296-297.	1.5	10
74	IDH mutations as an early and consistent marker in low-grade astrocytomas WHO grade II and their consecutive secondary high-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2012, 108, 403-410.	1.4	101
75	Combined Treatment with Intravenous Abciximab and Intraarterial tPA Yields High Recanalization Rate in Patients with Acute Basilar Artery Occlusion. <i>Journal of Neuroimaging</i> , 2012, 22, 167-171.	1.0	23
76	A head phantom prototype to verify subdural electrode localization tools in epilepsy surgery. <i>NeuroImage</i> , 2011, 54, S256-S262.	2.1	4
77	Intrastriatal transplantation of microcarrier-bound human retinal pigment epithelial cells versus sham surgery in patients with advanced Parkinson's disease: a double-blind, randomised, controlled trial. <i>Lancet Neurology</i> , The, 2011, 10, 509-519.	4.9	145
78	Editorialâ€”Neurowoche 2010: A Highlight of Neuromedicine in Germany. <i>Klinische Neuroradiologie</i> , 2010, 20, 151-152.	0.9	1
79	Treatment of acute stroke: a misconception. <i>Neuroradiology</i> , 2010, 52, 337-339.	1.1	7
80	A Large Web-Based Observer Reliability Study of Early Ischaemic Signs on Computed Tomography. The Acute Cerebral CT Evaluation of Stroke Study (ACCESS). <i>PLoS ONE</i> , 2010, 5, e15757.	1.1	40
81	Age-Dependent Differences in the Neural Mechanisms Supporting Long-Term Declarative Memories. <i>Archives of Clinical Neuropsychology</i> , 2010, 25, 383-395.	0.3	28
82	Time to treatment with intravenous alteplase and outcome in stroke: an updated pooled analysis of ECASS, ATLANTIS, NINDS, and EPITHET trials. <i>Lancet</i> , The, 2010, 375, 1695-1703.	6.3	1,871
83	After European Cooperative Acute Stroke Study 3. <i>Stroke</i> , 2009, 40, 2268-2270.	1.0	5
84	Changing Directions in Acute Stroke Diagnostics. <i>Klinische Neuroradiologie</i> , 2009, 19, 105-107.	0.9	3
85	Response of the German Society of Neuroradiology to the Guideline. <i>Klinische Neuroradiologie</i> , 2009, 19, 108-110.	0.9	11
86	Concentrating on the Next Version. <i>Klinische Neuroradiologie</i> , 2009, 19, 244-244.	0.9	1
87	Klaus Sartor Nominated Honorary Member of the German Society of Neuroradiology. <i>Klinische Neuroradiologie</i> , 2009, 19, 259-260.	0.9	0
88	neuroRAD 2009: the German Society of Neuroradiology Is Ready to Go. <i>Klinische Neuroradiologie</i> , 2009, 19, 257-257.	0.9	0
89	Distinct brain networks in recognition memory share a defined region in the precuneus. <i>European Journal of Neuroscience</i> , 2009, 30, 1947-1959.	1.2	75
90	Altered neural network supporting declarative long-term memory in mild cognitive impairment. <i>Neurobiology of Aging</i> , 2009, 30, 284-298.	1.5	34

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91	Hyperdense Middle Cerebral Artery Sign on Admission CT Scan â€“ Prognostic Significance for Ischaemic Stroke Patients Treated with Intravenous Thrombolysis in the Safe Implementation of Thrombolysis in Stroke International Stroke Thrombolysis Register. <i>Cerebrovascular Diseases</i> , 2009, 27, 51-59.	0.8	90
92	Ischemic Stroke â€“ Serious, but not Hopeless. <i>Klinische Neuroradiologie</i> , 2008, 18, 37-44.	0.9	2
93	Dystonia associated with hyperintense basal ganglia lesions on T1â€“weighted brain MRI. <i>Movement Disorders</i> , 2008, 23, 1618-1619.	2.2	8
94	Thrombolysis with Alteplase 3 to 4.5 Hours after Acute Ischemic Stroke. <i>New England Journal of Medicine</i> , 2008, 359, 1317-1329.	13.9	5,749
95	Effect of Ximelagatran and Warfarin on Stroke Subtypes in Atrial Fibrillation. <i>Canadian Journal of Neurological Sciences</i> , 2008, 35, 160-165.	0.3	3
96	Should MRI replace CT for the routine evaluation of acute stroke?. <i>Nature Clinical Practice Neurology</i> , 2007, 3, 428-429.	2.7	2
97	Ischemic Brain Tissue Water Content: CT Monitoring during Middle Cerebral Artery Occlusion and Reperfusion in Rats1. <i>Radiology</i> , 2007, 243, 720-726.	3.6	70
98	Factors Influencing the Detection of Early CT Signs of Cerebral Ischemia. <i>Stroke</i> , 2007, 38, 1250-1256.	1.0	59
99	Nonfluent aphasia in a patient with Waldenstromâ€™s macroglobulinemia. <i>Journal of Clinical Neuroscience</i> , 2007, 14, 601-603.	0.8	11
100	MRI versus CT in acute stroke. <i>Lancet, The</i> , 2007, 369, 1341-1342.	6.3	7
101	Prefrontal cortex dysfunction and depression in atypical parkinsonian syndromes. <i>Movement Disorders</i> , 2007, 22, 490-497.	2.2	32
102	Imaging of acute stroke. <i>Lancet Neurology, The</i> , 2006, 5, 755-768.	4.9	311
103	Prophylaxis of Thrombotic and Embolic Events in Acute Ischemic Stroke With the Low-Molecular-Weight Heparin Certoparin. <i>Stroke</i> , 2006, 37, 139-144.	1.0	89
104	Extent of Early Ischemic Changes on Computed Tomography (CT) Before Thrombolysis. <i>Stroke</i> , 2006, 37, 973-978.	1.0	223
105	Classification and Pathogenesis of Cerebral Hemorrhages After Thrombolysis in Ischemic Stroke. <i>Stroke</i> , 2006, 37, 556-561.	1.0	224
106	Early Ischemic Edema on Cerebral Computed Tomography: Its Relation to Diffusion Changes and Hypoperfusion within 6 h after Human Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2006, 21, 336-339.	0.8	14
107	Do patients with acute vertebrobasilar occlusion benefit from an aggressive treatment strategy?. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2005, 2, 564-565.	3.3	0
108	â€œClinical-CT Mismatchâ€•and the Response to Systemic Thrombolytic Therapy in Acute Ischemic Stroke. <i>Stroke</i> , 2005, 36, 1695-1699.	1.0	51

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109	Brain Tissue Water Uptake after Middle Cerebral Artery Occlusion Assessed with CT. Journal of Neuroimaging, 2004, 14, 42-48.	1.0	122
110	Association of outcome with early stroke treatment: pooled analysis of ATLANTIS, ECASS, and NINDS rt-PA stroke trials. Lancet, The, 2004, 363, 768-774.	6.3	2,316
111	Brain Tissue Water Uptake after Middle Cerebral Artery Occlusion Assessed with CT. , 2004, 14, 42.		35
112	Brain tissue water uptake after middle cerebral artery occlusion assessed with CT. , 2004, 14, 42-8.		37
113	Early Major Ischemic Changes on Computed Tomography Should Preclude Use of Tissue Plasminogen Activator. Stroke, 2003, 34, 820-821.	1.0	48
114	MRI: The New Gold Standard for Detecting Brain Hemorrhage?. Stroke, 2002, 33, 1748-1749.	1.0	26
115	Brain Hemorrhage After Thrombolysis: Good or Bad?. Stroke, 2002, 33, 1446-1447.	1.0	43
116	Imaging of Stroke Pathology without Predefined Gold Standard. Cerebrovascular Diseases, 2002, 14, 270-270.	0.8	8
117	Multimodal CT Imaging in Acute Stroke. Stroke, 2002, 33, 1946-1947.	1.0	0
118	Surprising article in Neuroradiology. Neuroradiology, 2002, 44, 715-715.	1.1	0
119	Early Ischemic Changes on Computed Tomography in Patients With Acute Stroke. JAMA - Journal of the American Medical Association, 2002, 287, 2361-2362.	3.8	12
120	Echo-Enhanced Transcranial Color-Coded Duplexsonography to Study Collateral Blood Flow in Patients with Symptomatic Obstructions of the Internal Carotid Artery and Limited Acoustic Bone Windows. Cerebrovascular Diseases, 2001, 11, 107-112.	0.8	18
121	Early Prediction of Irreversible Brain Damage after Ischemic Stroke at CT. Radiology, 2001, 219, 95-100.	3.6	325
122	CT of Acute Cerebral Ischemia. Radiology, 2000, 216, 611-613.	3.6	5
123	Acute Stroke: How to Improve CT Detection and Avoid Errors in Radiology. Radiology, 2000, 216, 920-922.	3.6	3
124	Evaluation of Early Computed Tomographic Findings in Acute Ischemic Stroke. Stroke, 1999, 30, 389-392.	1.0	132
125	ECASS-II: intravenous alteplase in acute ischaemic stroke. Lancet, The, 1999, 353, 67-68.	6.3	10
126	Randomised double-blind placebo-controlled trial of thrombolytic therapy with intravenous alteplase in acute ischaemic stroke (ECASS II). Lancet, The, 1998, 352, 1245-1251.	6.3	3,216

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127	The ECASS 3-Hour Cohort. <i>Cerebrovascular Diseases</i> , 1998, 8, 198-203.	0.8	130
128	Early computed-tomography abnormalities in acute stroke. <i>Lancet, The</i> , 1997, 350, 1595-1596.	6.3	39
129	Decompressive craniectomy in a rat model of "malignant" cerebral hemispheric stroke: experimental support for an aggressive therapeutic approach. <i>Journal of Neurosurgery</i> , 1996, 85, 853-859.	0.9	158
130	Hemicraniotomy in Space-Occupying Hemispheric Infarction: Useful Early Intervention or Desperate Activism?. <i>Cerebrovascular Diseases</i> , 1996, 6, 325-329.	0.8	43
131	Coil placement after clipping: endovascular treatment of incompletely clipped cerebral aneurysms. <i>Journal of Neurosurgery</i> , 1996, 85, 966-969.	0.9	43
132	Combined Microneurosurgical and Endovascular "Trapping-Evacuation" Technique for Clipping Proximal Paraclinoidal Aneurysms. <i>Skull Base</i> , 1995, 5, 21-26.	0.4	3
133	Decompressive surgery in space-occupying hemispheric infarction. <i>Critical Care Medicine</i> , 1995, 23, 1576-1587.	0.4	367
134	Hydrogen Clearance Method for Determining Local Cerebral Blood Flow. I. Spatial Resolution. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1986, 6, 486-491.	2.4	21
135	Hydrogen Clearance Method for Determining Local Cerebral Blood Flow. II. Effect of Heterogeneity in Cerebral Blood Flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1986, 6, 492-498.	2.4	14
136	Real-world Independent Testing of e-ASPECTS Software (RITeS): statistical analysis plan. <i>AMRC Open Research</i> , 0, 2, 20.	1.7	4