

Dissertaties					
1.	Promovendus	Dr. F. Schreuder			CARIM
	Datum	21-1-2021			
	Titel	Non-invasive imaging of the carotid artery from structural vessel wall to functional plaque imaging			
	Promotores	Prof. dr. W. Mess			
		Prof. dr. M. Kooi			
		Prof. dr. R. van Oostenbrugge			
2.	Promovendus	Dr. ir. L. Vergoossen			MHeNs
	Datum	1-4-2021			
	Titel	Brain network alterations due to cardiometabolic risk factors. Insights from population magnetic resonance imaging			
	Promotores	Prof. dr. ir. W. Backes			
	Copromotores	Dr. J. Jansen			
		Dr. M. Schram			
3.	Promovendus	Dr. I. Verheggen			MHeNs
	Datum	1-6-2021			
	Titel	Imaging blood-brain barrier function imaging			
	Promotores	Prof. dr. F. Verhey			
		Prof. dr. ir. W. Backes			
	Co-promotor	Dr. M. van Boxtel			
4.	Promovendus	Dr. R. Santegoeds			MHeNs
	Datum	3-6-2021			
	Titel	A journey of skull base chordoma: where imaging meets molecular biology			
	Promotor	Prof. dr. Y. Temel			
	Co-promotores	Dr. L. Jacobi-Postma			
		Dr. D. Eekers			
5.	Promovendus	Dr. P. Veeraiah			NUTRIM
	Datum	1-7-2021			
	Titel	Magnetic resonance spectroscopy to unravel metabolic alterations in hepatic steatosis in humans			
	Promotores	Dr. V. Schrauwen-Hinderling			
		Prof. dr. J. Wildberger			
	Copromotor	Dr. ir. L. Lindeboom			
6.	Promovendus	Dr. P. Boswijk			CARIM
	Datum	1-7-2021			
	Titel	Positron emission tomography of inflammation in atherosclerosis			
	Promotores	Prof. dr. J. Wildberger			
		Prof. dr. J. Bucerius			
		Prof. dr. J. Sluimer			
7.	Promovendus	Dr. B. Adriaans			CARIM
	Datum	2-7-2021			
	Titel	Advanced imaging of the aortic valve and thoracic aorta			
	Promotores	Prof. dr. J. Wildberger			
		Prof. dr. H. Crijns			
	Co-promotor	Dr. S. Schalla			
8.	Promovendus	Dr. ir. L. Canjels			MHeNs
	Datum	31-8-2021			
	Titel	Morphological and functional magnetic resonance imaging at ultra-high field. Clinical research applications in preeclampsia and epilepsy			
	Promotores	Dr. J. Jansen			
		Prof. dr. ir. W. Backes			
		Prof. dr. A. Aldenkamp			
	Copromotor	Dr. C. Ghossein-Doha			

9.	Promovendus	Dr. K. Roumans			NUTRIM
	Datum	15-9-2021			
	Titel	Liver substrate metabolism in nonalcoholic fatty liver; role of hepatic lipid composition and hepatic glycogen measured by MR-techniques			
	Promotores	Prof. dr. P. Schrauwen			
		Dr. V. Schrauwen-Hinderling			
	Copromotor	Dr. ir. L. Lindeboom			
10.	Promovendus	Dr. R. Zeleznik			GROW
	Datum	16-9-2021			
	Titel	Deep learning in cardiovascular imaging - Using AI tot improve risk predictions and optimize clinical workflows			
	Promotores	Prof. dr. H. Aerts			
		Prof. dr. U. Hoffmann			
11.	Promovendus	Dr. N. Eijvoegel			CARIM
	Datum	5-10-2021			
	Titel	Optimisation of scan and injection protocols to the individual patient in CT angiography			
	Promotores	Prof. dr. J. Wildberger			
		Prof. dr. M. Das			
	Copromotor	Dr. C. Muhl			
12.	Promovendus	Dr. I. Houben			GROW
	Datum	8-11-2021			
	Titel	Assessment of contrast enhanced mammography			
	Promotores	Prof. dr. J. Wildberger			
	Copromotor	Dr. M. Lobbes			
		Dr. U. Lalji			
13.	Promovendus	Dr. M. Bernsen			CARIM
	Datum	21-11-2021			
	Titel	Endovascular treatment of acute ischemic stroke: device type and complications			
	Promotores	Prof. dr. J. Hofmeijer			
		Prof. dr W. van Zwam			
WI-1	Auteurs	Titel	Tijdschrift	IF 2021	School
	1 Adan F, Oyen E, Holtackers R , van Loo E, Dermont G, Kelleners-Smeets N, Nelemans P, Mosterd K.	Topical application of glycerol increases penetration depth of optical coherence tomography in diagnosis of basal cell carcinoma	Acta Derm Venereol. 2021 Jun 22;101(6):adv00474. doi: 10.2340/00015555-3811.	4.437	CARIM
	2 Adriaans B, Ramaekers M , Heuts S, Crijns H, Bekkers S, Westenberg J, Lamb H, Wildberger J, Schalla S .	Determining the optimal interval for imaging surveillance of ascending aortic aneurysms	Neth Heart J. 2021 Dec;29(12):623-631. doi: 10.1007/s12471-021-01564-9. Epub 2021 Apr 13.	2.380	CARIM
	3 Almekhlafi M, Goyal M, Dippel D, Majoie C, Campbell B, Muir K, Demchuk A, Bracard S, Guillemin F, Jovin T, Mitchell P, White P, Hill M, Brown S, Saver J; HERMES Trialists Collaboration .	Healthy life-year costs of treatment speed from arrival to endovascular thrombectomy in patients with ischemic stroke: a meta-analysis of individual patient data from 7 randomized clinical trials	JAMA Neurol. 2021 Jun 1;78(6):709-717. doi: 10.1001/jamaneurol.2021.1055.	18.302	CARIM
	4 Altunay B, Morgenroth A, Beheshti M, Vogg A, Wong N, Hoi Ting H, Biersack H, Stickeler E, Mottaghy F	HER2-directed antibodies, affibodies and nanobodies as drug-delivery vehicles in breast cancer with a specific focus on radioimmunotherapy and radioimmunoimaging	Eur J Nucl Med Mol Imaging. 2021 May;48(5):1371-1389. doi: 10.1007/s00259-020-05094-1. Epub 2020 Nov 12.	9.236	GROW

5	Amini M, den Hartog S, van Leeuwen N, Eijkenaar F, Kuhrij L, Stolze L, Nederkoorn P, Lingsma H, van Es A, van den Wijngaard I, van der Lugt A, Dippel D, Roozenbeek B; PERFEQTOS Investigators.	Performance feedback on the quality of care in hospitals performing thrombectomy for ischemic stroke (PERFEQTOS): protocol of a stepped wedge cluster randomized trial	Trials. 2021 Dec 4;22(1):870. doi: 10.1186/s13063-021-05819-z.	2.279	CARIM
6	Arslan M, Schaap J, van Gorsel B, Budde R, Bekkers S, van Cauteren Y , Damman P, Habets J, Dubois E, Dedic A.	Coronary CT angiography for improved assessment of patients with acute chest pain and low-range positive high-sensitivity troponins: study protocol for a prospective, observational, multicentre study (COURSE trial)	BMJ Open. 2021 Oct 18;11(10):e049349. doi: 10.1136/bmjopen-2021-049349.	2.692	CARIM
7	Aukema, S, de Geus C, Robben S , van Kaam K, Staal H, Witlox A, de la Haye N, Klaassens M, Coumans A, Stegmann A, Paley D, Stumpel C.	Tibia hemimelia in a patient with CHARGE syndrome: A rare but recurrent phenomenon	Am J Medical Genetics Part A. 5 p. 11 Dec 2021, (E-pub ahead of print)	2.802	SHE
8	Azizi M, Sanghvi K, Saxena M, Gosse P, Reilly J, Levy T, Rump L, Persu A, Basile J, Bloch M, Daemen J, Lobo M, Mahfoud F, Schmieder R, Sharp A, Weber M, Sapoval M, Fong P, Pathak A, Lantelme P, Hsi D, Bangalore S, Witkowski A, Weil J, Kably B, Barman N, Reeve-Stoffer H, Coleman L, McClure C, Kirtane A; RADIANCE-HTN investigators.	Ultrasound renal denervation for hypertension resistant to a triple medication pill (RADIANCE-HTN TRIO): a randomised, multicentre, single-blind, sham-controlled trial	Lancet. 2021 Jun 26;397(10293):2476-2486. doi: 10.1016/S0140-6736(21)00788-1. Epub 2021 May 16.	79.323	CARIM
9	Baggerman M, van Dijk D, Winkens B, Schnabel R, van Gassel R, Bol M, Bakers F , Olde Damink S, van de Poll M.	Edema in critically ill patients leads to overestimation of skeletal muscle mass measurements using computed tomography scans	Nutrition. 2021 Sep;89:111238. doi: 10.1016/j.nut.2021.111238. Epub 2021 Mar 7.	4.008	NUTRIM/CAPHRI
10	Beheshti M, Mottaghy F.	Special issue: emerging technologies for medical imaging diagnostics, monitoring and therapy of cancers	J Clin Med. 2021 Mar 23;10(6):1327. doi: 10.3390/jcm10061327.	4.242	GROW
11	Benali F, Hinsenveld W, van der Leij C , Roozenbeek B, van de Graaf R, Staals J, Lingsma H, van der Lugt A, Majoie C, van Zwam W, MR CLEAN REGISTRY investigators.	Effect of heparinized flush concentration on safety and efficacy during endovascular thrombectomy for acute ischemic stroke: results from the MR CLEAN Registry	Cardiovasc Intervent Radiol. 2021 May;44(5):750-755. doi: 10.1007/s00270-020-02726-9. Epub 2021 Jan 3.	2.740	CARIM
12	Benali F, van der Leij C, Staals J, van Zwam W.	Use of heparinized saline flush during endovascular thrombectomy for acute ischemic stroke; a survey of clinical practice in the Netherlands	CVIR Endovasc. 2021 Oct 22;4(1):76. doi: 10.1186/s42155-021-00264-0.	2.740	CARIM
13	den Bergh F, De Beule T, van Rooij W, Voormolen M, Van der Zijden T, Stockx L, van Zwam W , Fransen H.	The p48 flow diverter: first clinical results in 25 aneurysms in three centers	Interv Neuroradiol. 2021 Jun;27(3):339-345. doi: 10.1177/1591019920972213. Epub 2020 Nov 8.	1.610	CARIM
14	Bernsen M, Goldhoorn R, Lingsma H, van Oostenbrugge R, van Zwam W , Uyttenboogaart M, Roos Y, Martens J, Hofmeijer J; MR CLEAN Registry Investigators.	Importance of occlusion site for thrombectomy technique in stroke: comparison between aspiration and stent retriever	Stroke. 2021 Jan;52(1):80-90. doi: 10.1161/STROKEAHA.120.030031. Epub 2020 Dec 22.PMID:33349023.	7.914	CARIM
15	Best J, Ambler G, Wilson D, Lee K, Microbleeds International Collaborative Network	Development of imaging-based risk scores for prediction of intracranial haemorrhage and ischaemic stroke in patients taking antithrombotic therapy after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies	Lancet Neurology 2021, 20: 294–303	44.182	CARIM

16	de Beule T, Boulanger T, Heye S, van Rooij W, van Zwam W , Stockx L.	p64 flow diverter: results in 108 patients from a single center	Interv Neuroradiol. 2021 Feb;27(1):51-59. doi: 10.1177/1591019920932048. Epub 2020 Jun 6.	1.610	CARIM
17	de Beule T, Boulanger T, Heye S, van Rooij W, van Zwam W , Stockx L.	The woven endobridge for unruptured intracranial aneurysms: results in 95 aneurysms from a single center	Interv Neuroradiol. 2021 Oct;27(5):594-601. doi: 10.1177/15910199211003428. Epub 2021 Mar 21.	1.610	CARIM
18	Beuque M, Martin-Lorenzo M, Balluff B, Woodruff H , Lucas M, de Bruin D, van Timmeren J, de Boer O, Heeren R, Meijer S, Lambin P .	Machine learning for grading and prognosis of esophageal dysplasia using mass spectrometry and histological imaging	Comput Biol Med. 2021 Nov;138:104918. doi: 10.1016/j.combiomed.2021.104918. Epub 2021 Oct 4.	4.589	GROW
19	Bijvoet G, Holtackers R , Smink J, Lloyd T, van den Hombergh C, Debie L, Wildberger J , Vernooij K, Mihl C , Chaldoupi S.	Transforming a pre-existing MRI environment into an interventional cardiac MRI suite	J Cardiovasc Electrophysiol. 2021 Aug;32(8):2090-2096. doi: 10.1111/jce.15128. Epub 2021 Jul 4.	2.871	CARIM
20	de Boer S , van Mierlo-van den Broek P, de Vries J, Kleiss S, Bloemsma G, de Vries-Werson D, Fiolle B, Bokkers R	Technical Success and Mid-Term Outcomes of Endovascular Revascularization of Tibio-Peroneal Trunk Lesions	J Clin Med. 10, 16, 12 p., 3610.; 1 Aug 2021	4.242	CARIM
21	Bruggemann R, Brouns S, Mommers E , Spaetgens B	The delicate balance between over- and underdiagnosis in older people: a simple inguinal hernia?	Age and Ageing. 50, 4, p. 1429-1429 1 p.; 1 Jul 2021	4.370	CARIM
22	Bruggeman Y, Sodr� F, Buitinga M , Mathieu C, Overbergh L, Kracht M.	Targeting citrullination in autoimmunity: insights learned from preclinical mouse models	Expert Opin Ther Targets. 2021 Apr;25(4):269-281. doi: 10.1080/14728222.2021.1918104. Epub 2021 May 4.	6.902	NUTRIM
23	Canjels L , Jansen J , van den Kerkhof M , Alers R, Poster B, Wiggings C, Schiffer V, van de Ven V, Rouhl R, Palm W , van Oostenbrugge R, Aldenkamp A, Ghossein-Doha C, Spaanderman M, Backes W .	7T dynamic contrast-enhanced MRI for the detection of subtle blood-brain barrier leakage	J Neuroimaging. 2021 Sep;31(5):902-911. doi: 10.1111/jon.12894. Epub 2021 Jun 23.	2.486	MHeNs
24	Carey G, G�rmezoglu M, de Jong J , Hofman P , Backes W , Dujardin K, Leentjens A.	Neuroimaging of anxiety in Parkinson's disease: a systematic review	Mov Disord. 2021 Feb;36(2):327-339. doi: 10.1002/mds.28404. Epub 2020 Dec 2.	10.338	MHeNs
25	Casale R, Lavrova E, Sanduleanu S, Woodruff H , Lambin P .	Development and external validation of a non-invasive molecular status predictor of chromosome 1p/19q co-deletion based on MRI radiomics analysis of Low Grade Glioma patients	Eur Radiol. 2021 Jun;139:109678. doi: 10.1016/j.ejrad.2021.109678. Epub 2021 Apr 5.	5.315	GROW
26	van Cauteren Y , Smulders M, Theunissen R, Gerretsen S , Adriaans B , Bijvoet G, Mingels A, van Kuijk S, Schalla S , Crijns HJGM, Kim R, Wildberger J , Heijman J, Bekkers S.	Cardiovascular magnetic resonance accurately detects obstructive coronary artery disease in suspected non-ST elevation myocardial infarction: a sub-analysis of the CARMENTA Trial	J Cardiovasc Magn Reson. 2021 Mar 22;23(1):40. doi: 10.1186/s12968-021-00723-6.	5.364	CARIM
27	Chaunzwa T , Hosny A , Xu Y, Schafer A, Diao N, Lanuti M, Christiani D, Mak R, Aerts H .	Deep learning classification of lung cancer histology using CT images	Sci Rep. 2021 Mar 9;11(1):5471. doi: 10.1038/s41598-021-84630-x.	4.380	GROW
28	Cluitmans M, Bear L, Nguy�n U, van Rees B, Stoks J, Ter Bekke R, Mihl C , Heijman J, Lau K, Vigmond E, Bayer J, Belterman C, Abell E, Labrousse L, Rogier J, Bernus O, Haissaguerre M, Hassink R, Dubois R, Coronel R, Volders P.	Noninvasive detection of spatiotemporal activation-repolarization interactions that prime idiopathic ventricular fibrillation	Sci Transl Med. 2021 Nov 17;13(620):eabi9317. doi: 10.1126/scitranslmed.abi9317. Epub 2021 Nov 17. PMID: 34788076	17.992	CARIM

29	Collette S, Uyttenboogaart M, Samuels N, van der Schaaf I, van der Worp H, Luijckx G, Venema A, Sahinovic M, Dierckx R, Lingsma H, Kappen T, Bokkers R; MR CLEAN Registry Investigators	Hypotension during endovascular treatment under general anesthesia for acute ischemic stroke	PLoS One. 2021 Jun 23;16(6):e0249093. doi: 10.1371/journal.pone.0249093. eCollection 2021.	3.240	CARIM
30	Compter I, Verduin M, Shi Z, Woodruff H , Smeenk R, Rozemaa, Leijenaar R, Monshouwers R, Eekers D, Hoeben, Postma A , Dekker A, De Ruyscher D, Lambin P , Wee L.	Deciphering the glioblastoma phenotype by computed tomography radiomics	Radiother Oncol. 2021 Jul;160:132-139. doi: 10.1016/j.radonc.2021.05.002. Epub 2021 May 10.	6.280	GROW/MHeNs
31	Compter I, Eekers D, Hoeben A, Rouschop K, Reymen B, Ackermans L, Beckervordersantforth J, Bauer N, Anten M, Wesseling P, Postma A , De Ruyscher D, Lambin P .	Chloroquine combined with concurrent radiotherapy and temozolomide for newly diagnosed glioblastoma: a phase IB trial	Autophagy. 2021 Sep;17(9):2604-2612. doi: 10.1080/15548627.2020.1816343. Epub 2020 Sep 20.	16.016	GROW/MHeNs
32	Connell N , Doligkeit D, Andriessen C, Kornips-Moonen E, Bruls Y , Schrauwen-Hinderling V , van de Weijer T , van Marken-Lichtenbelt W, Havekes B, Kazak L, Spiegelman B, Hoeks J. Schrauwen P.	No evidence for brown adipose tissue activation after creatine supplementation in adult vegetarians	Nat Metab. 2021 Jan;3(1):107-117. doi: 10.1038/s42255-020-00332-0. Epub 2021 Jan 18.	13.511	NUTRIM
33	Connell N , Grevendonk L, Fealy C, Moonen-Kornips E, Bruls Y , Schrauwen-Hinderling V , de Vogel J, Hageman R, Geurts J, Zapata-Perez R, Houtkoopers R, Havekes B, Hoeks J, Schrauwen P.	NAD+-precursor supplementation with L-Tryptophan, nicotinic acid, and nicotinamide does not affect mitochondrial function or skeletal muscle function in physically compromised older adults	J Nutr. 2021 Oct 1;151(10):2917-2931. doi: 10.1093/jn/nxab193.	4.798	NUTRIM
34	van Dam-Nolen D, van Dijk A, Crombag G , Lucci C, Kooi M , Hendrikse J, Nederoorn P, Daemen M, van der Steen A, Koudstaal P, Kronenberg F, Roeters van Lennep E, Mulder M, van der Lugt A	Lipoprotein(a) levels and atherosclerotic plaque characteristics in the carotid artery: the Plaque at RISK (PARISK) study	Atherosclerosis. 2021 Jul;329:22-29. doi: 10.1016/j.atherosclerosis.2021.06.004. Epub 2021 Jun 11.	5.162	CARIM
35	Daemen S, van Polanen N, Bilet L, Phielix E, Moonen-Kornips E, Schrauwen-Hinderling V , Schrauwen P, Hesselink M	Postexercise changes in myocellular lipid droplet characteristics of young lean individuals are affected by circulatory nonesterified fatty acids	Am J Physiol Endocrinol Metab. 2021 Oct 1;321(4):E453-E463. doi: 10.1152/ajpendo.00654.2020. Epub 2021 Aug 16. PMID: 34396784	4.310	NUTRIM
36	D'Amore F, Grinberg F, Mauler J, Galdiks N, Blazhenets G, Farrher E, Filss C, Stoffels G, Mottaghy F , Lohmann P, Jon Shah N, Langen K.	Combined 18 F-FET PET and diffusion kurtosis MRI in posttreatment glioblastoma: differentiation of true progression from treatment-related changes	Neurooncol Adv. 2021 Mar 10;3(1):vdab044. doi: 10.1093/noajnl/vdab044. eCollection Jan-Dec 2021.	12.300	GROW
37	Das M, van der Leij C , Katoh M, Benten D, Hendriks B , Hatzidakis A.	CIRSE standards of practice on percutaneous transhepatic cholangiography, biliary drainage and stenting	Cardiovasc Intervent Radiol. 2021 Oct;44(10):1499-1509. doi: 10.1007/s00270-021-02903-4. Epub 2021 Jul 29.	2.740	CARIM
38	den Dekker B, Bakker M, de Lange S, Veldhuis W, van Diest P, Duvivier K, Lobbés M , Loo C, Mann R, Monninkhof E, Veltman J, Pijnappel R, van Gils C, DENSE Trial Study Group.	Reducing false-positive screening MRI rate in women with extremely dense breasts using prediction models based on data from the DENSE trial	Radiology 2021 Nov;301(2):283-292. doi: 10.1148/radiol.2021210325. Epub 2021 Aug 17.	11.105	GROW
39	Dilba K, van Dam-Nolen D, Korteland S, van der Kolk A, Kassem M , Bos D, Koudstaal P, Nederkoorn P, Hendrikse J, Kooi M , Gijssen F, van der Steen A, van der Lugt A, Wentzel J.	The association between Time-varying wall shear stress and the development of plaque ulcerations in carotid arteries from the Plaque at Risk Study	Front Cardiovasc Med. 2021 Nov 18;8:732646. doi: 10.3389/fcvm.2021.732646. eCollection 2021.	6.050	CARIM

40	Dilba K, van Dam-Lonen D, van Dijk A, Kassem M , van der Steen A, Koudstaal P, Nederkoorn P, Hendrikse J, Kooi M , Wentzel J, van der Lugt A.	Plaque composition as a predictor of plaque ulceration in carotid artery atherosclerosis: the Plaque at RISK Study	AJNR Am J Neuroradiol. 2021 Jan;42(1):144-151. doi: 10.3174/ajnr.A6868. Epub 2020 Nov 19.	3.825	CARIM
41	Dilba K, van Dijk A, Crombag G , van der Steen A, Daemen M, Koudstaal P, Nederkoorn P, Hendrikse J, Kooi M , van der Lugt A, Wentzel J.	Association between intraplaque hemorrhage and vascular remodeling in carotid arteries: the Plaque at RISK (PARISK) Study	Cerebrovasc Dis. 2021;50(1):94-99. doi: 10.1159/000511935. Epub 2020 Dec 3.	2.762	CARIM
42	Dilba K, van Dam-Nolen D, Crombag G , van der Kolk A, Koudstaal P, Nederkoorn P, Hendrikse J, Kooi M , van der Steen A, Wentzel J, van der Lugt A, Bos D.	Dolichoarteriopathies of the extracranial internal carotid artery: Plaque at RISK study	Eur J Neurol. 2021 Sep;28(9):3133-3138. doi: 10.1111/ene.14982. Epub 2021 Jul 7.	6.089	CARIM
43	Dorst D, Boss M, Rijpkema M, Walgreen B, Helsen M, Bos D, van Bloois L, Storm G, Brom M, Laverman P, van der Kraan P, Buitinga M , Koenders M, Gotthardt M.	Photodynamic therapy targeting macrophages using IRDye700DX-Liposomes decreases experimental arthritis development	Pharmaceutics. 2021 Nov 5;13(11):1868. doi: 10.3390/pharmaceutics13111868.	6.321	NUTRIM
44	Drenthen G , Jansen J , Gommer E, Gupta L, Hofman P , van Kranen-Mastenbroek, Hilkmann D, Vlooswijk M, Rouhl R, Backes W .	Predictive value of functional MRI and EEG in epilepsy diagnosis after a first seizure	Epilepsy Behav. 2021 Feb;115:107651. doi: 10.1016/j.yebeh.2020.107651. Epub 2020 Dec 11.	2.937	MHeNs
45	Drenthen G , Backes W , Jansen J .	Estimating myelin-water content from anatomical and diffusion images using spatially undersampled myelin-water imaging through machine learning	Neuroimage. 2021 Feb 1;226:117626. doi: 10.1016/j.neuroimage.2020.117626. Epub 2020 Dec 8.	6.556	MHeNs
46	Duvekot M, Venema E, Lingsma H, Coutinho J, van der Worp H, Hofmeijer J, Bokkers R, van Es A, van der Lugt A, Kerckhoff H, Dippel D, Roozenbeek B; MR CLEAN Registry investigators .	Sensitivity of prehospital stroke scales for different intracranial large vessel occlusion locations	Eur Stroke J. 2021 Jun;6(2):194-204. doi: 10.1177/23969873211015861. Epub 2021 May 13.	1.00	CARIM
47	Eekers D, Di Perri D, Roelofs E, Postma A , Dijkstra J, Ajithkumar T, Alapetite C, Bromstrand M, Burnet N, Calugaru V, Compter I, Coremans I, Harrabi S, Iannalfi A, Klaver Y, Lambrecht M, Méndez Romero A, Paulsen F, Timmermann B, Vitek P, van der Weide H, Whitfield G, Witt Nyström P, Zindler P, de Ruyscher D, Langendijk J, Weber D, Troost E.	Update of the EPTN atlas for CT- and MR-based contouring in Neuro-Oncology	Radiother Oncol. 2021 Jul;160:259-265. doi: 10.1016/j.radonc.2021.05.013. Epub 2021 May 18.	6.280	GROW/MHeNs
48	van Eerd M, Patijn J, Loeffen D , van Kleef M, Wildberger J .	The diagnostic value of an X-ray based scoring system for degeneration of the cervical spine: a reproducibility and validation study	Pain Pract. 2021 Sep;21(7):766-777. doi: 10.1111/papr.13013. Epub 2021 May 18.	3.183	CARIM (CAPHRI)

49	Eijkelboom A, de Munck L, Vrancken Peeters M, Broeders M, Strobbe L, Bos M, Schmidt M, Guerrero Paez C, Smidt M, Bessems M, Verloop J, Linn S, Lobbes M , Honkoop A, van den Bongard D, Westenend P, Wesseling J, Menke-van der Houven W, van Oordt C, Tjan-Heijnen V, Siesling, NABON COVID-19 Consortium and the COVID and Cancer-NL Consortium.	Impact of the COVID-19 pandemic on diagnosis, stage, and initial treatment of breast cancer in the Netherlands: a population-based study	J Hematol Oncol. 2021 Apr 17;14(1):64. doi: 10.1186/s13045-021-01073-7.	17.388	GROW
50	Eijkelboom A, de Munck L, Lobbes M , van Gils C, Wesseling J, Westenend P, Paes C, Pijnappel R, Verkooijen H, Broeders M, Siesling S, NABON COVID-19 Consortium and the COVID and Cancer-NL Consortium.	Impact of the suspension and restart of the Dutch breast cancer screening program on breast cancer incidence and stage during the COVID-19 pandemic	Prev Med. 2021 Oct;151:106602. doi: 10.1016/j.ypmed.2021.106602. Epub 2021 Jun 30.	4.018	GROW
51	Elschot E, Backes W, Postma A , van Oostenbrugge R, Staals J, Rouhl R, Jansen J .	A comprehensive view on MRI Techniques for imaging blood-brain barrier integrity.	Invest Radiol. 2021 Jan;56(1):10-19. doi: 0.1097/RLI.0000000000000723.	6.016	MHeNs
52	van Es A, Hunfeld M, van den Wijngaard I, Kraemer U, Engelen M, van Hasselt B, Fransen P, Dippel D, Majoie C, van der Lugt A, Emmer B, MR CLEAN Registry Investigators .	Endovascular treatment for acute ischemic stroke in children: experience from the MR CLEAN Registry	Stroke. 2021 Mar;52(3):781-788. doi: 10.1161/STROKEAHA.120.030210. Epub 2021 Feb 22. PMID:33617341.	7.914	CARIM
53	Fedorov A, Longabaugh W, Pot D, Clunie D, Pieper S, Aerts H , Homeyer A, Lewis R, Akbarzadeh A, Bontempi E , Clifford W, Herrman M, Höfener H, Octaviano I, Osborne C, Paquette S, Petts J, Punzo D, Reyes M, Schacherer D, Tian M, White G, Ziegler E, Shmulevich I, Pihl T, Wagner U, Farahni K, Kikinis R.	NCI imaging data commons	Cancer Res. 021 Aug 15;81(16):4188-4193. doi: 10.1158/0008-5472.CAN-21-0950. Epub 2021 Jun 15.	12.701	CARIM/GROW
54	Ferreira M, Lovinfosse P, Hermesse J, Decuyper M, Rousseau C, Lucia F, Schick U, Reinhold C, Robin P, Hatt M, Visvikis D, Bernard C, Leijenaar R, Kridelka F, Lambin P , Meyer P, Hustinx R.	[¹⁸F]FDG PET radiomics to predict disease-free survival in cervical cancer: a multi-scanner/center study with external validation	Eur J Nucl Med Mol Imaging. 2021 Oct;48(11):3432-3443. doi: 10.1007/s00259-021-05303-5. Epub 2021 Mar 26.	9.236	GROW
55	Florea A , Sigl J, Morgenroth A, Vogg A, Sahnoun S, Winz O, Bucerius J , Schurgers L, Mottaghy F .	Sodium [¹⁸F]Fluoride PET can efficiently monitor in vivo atherosclerotic plaque calcification progression and treatment	Cells. 2021 Jan 30;10(2):275. doi: 10.3390/cells10020275.	6.600	CARIM
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57	Florea A, Mottaghy F, Bauwens M .	Molecular imaging of angiogenesis in oncology: current preclinical and clinical status	Int J Mol Sci. 2021 May 24;22(11):5544. doi: 10.3390/ijms22115544.	5.924	CARIM
58	Florea, A , Morgenroth A, Bucerius J , Schurgers L & Mottaghy F	Locking and loading the bullet against micro-calcification	Eur J Prev Cardiol. 28, 12, p. 1370-1375 6 p. Nov 2021	7.804	CARIM

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60	Franks R, Holtackers R , Alskaf E, Sohaib Nazir M, Clapp B, Wildberger J , Perera D, Plein S, Chiribiri A.	The impact of dark-blood versus conventional bright-blood late gadolinium enhancement on the myocardial ischemic burden	Eur J Radiol. 2021 Nov;144:109947. doi: 10.1016/j.ejrad.2021.109947. Epub 2021 Oct 8.	3.528	CARIM
61	Ganesh A, Ospel J, Marko M, van Zwam W , Roos Y, Majoie C, Goyal M.	From three-months to five-years: sustaining long-term benefits of endovascular therapy for ischemic stroke	Front Neurol. 2021 Jul 26;12:713738. doi: 10.3389/fneur.2021.713738. eCollection 2021.	4.003	CARIM
62	van Gassel R, Bels J, Gietema H , Posthuma R, van Santen S.	Reply to: is fibrosis really fibrosis?	Am J Respir Crit Care Med. 2021 Jun 1;203(11):1442-1443. doi: 10.1164/rccm.202102-0468LE. PMID: 33711238	21.405	GROW
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64	van Gassel R, Bels J, Raafs A, van Bussel B, van de Poll M, Simons S, van der Meer L, Gietema H , Posthuma R, van Santen S	High Prevalence of Pulmonary Sequelae at 3 Months after Hospital Discharge in Mechanically Ventilated Survivors of COVID-19	Am J Respir Crit Care Med. 203, 3, p. 371-374 5 p.; 1 Feb 2021	21.405	GROW
65	van Gennip A, Stehouwer C, van Boxtel M, Verhey F, Koster A, Kroon A, Köhler S, van Greevenbroek M, Wesselius A, Eussen S, Backes W , Jansen J , Schram M, Henry R, Singh-Manoux A, van Sloten T.	Association of type 2 diabetes, according to the number of risk factors within target range, with structural brain abnormalities, cognitive performance, and risk of dementia	Diabetes Care. 2021 Nov;44(11):2493-2502. doi: 10.2337/dc21-0149. Epub 2021 Sep 29.	19.112	MHeNs
66	Geraets A, Köhler S, Jansen J , Eussen S, Stehouwer C, Schaper N, Wesselius A, Verhey F, Schram M.	The association of markers of cerebral small vessel disease and brain atrophy with incidence and course of depressive symptoms - the Maastricht study	J Affect Disord. 2021 Sep 1;292:439-447. doi: 10.1016/j.jad.2021.05.096. Epub 2021 Jun 9.	4.839	MHeNs
67	Geraets A, Schram M, Jansen J , Koster A, Dagnelie P, van Greevenbroek M, Stehouwer C, Verhey F, Köhler S.	The relation of depression with structural brain abnormalities and cognitive functioning: the Maastricht study	Psychol Med. 2021 Feb 26:1-10.	7.723	MHeNs
68	Gietema H , Walraven K, Posthuma R, Mitea C , Slebos D, Vanfleteren L.	Dual-energy computed tomography compared to lung perfusion scintigraphy to assess pulmonary perfusion in patients screened for endoscopic lung volume reduction	Respiration. 2021;100(12):1186-1195. doi: 10.1159/000517598. Epub 2021 Aug 10.	3.580	GROW
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70	Goyal M, Fiehler J, van Zwam W , Wong J, Ospel J.	Enhancing education to avoid complications in endovascular treatment of unruptured intracranial aneurysms: a neurointerventionalist's perspective	AJNR Am J Neuroradiol. 2021 Jan;42(1):28-31. doi: 10.3174/ajnr.A6830. Epub 2020 Nov 5.	3.825	CARIM
71	Goyal M, van Zwam W , Moret J, Ospel J.	Neurointervention in the 2020s: where are we going?	Clin Neuroradiol. 2021 Mar;31(1):1-5. doi: 10.1007/s00062-020-00953-8. Epub 2020 Sep 11.	3.649	CARIM
72	van de Graaf R, Zinkstok S, Chalos V, Goldhoorn R, Majoie C, van Oostenbrugge R, van der Lugt A, Dippel D, Broos Y, Lingsma H, van Es A, Roozenbeek B, MR CLEAN Registry investigators.	Prior antiplatelet therapy in patients undergoing endovascular treatment for acute ischemic stroke: results from the MR CLEAN Registry	Int J Stroke. 2021 Jun;16(4):476-485. doi: 10.1177/1747493020946975. Epub 2020 Aug 14.	5.266	CARIM
73	Granzier R, Ibrahim A, Primakov S , Samiei S, van Nijnatten T , de Boer M, Heuts E, Hulsmans F, Chatterjee A, Lambin P , Lobbes M , Woodruff H , Smidt M.	MRI-based radiomics analysis for the pretreatment prediction of pathologic complete tumor response to neoadjuvant systemic therapy in breast cancer patients: a multicenter study	Cancers (Basel). 2021 May 18;13(10):2447. doi: 10.3390/cancers13102447.	6.639	GROW
74	Grevendonk L, Connell N , McCrum C, Fealy C, Bilet L, Bruls Y , Mevenkamp J , Schrauwen-Hinderling V , Jörgensen J, Moonen-Kornips E, Schaart G, Havekes B, de Vogel-van den Bosch J, Bragt M, Meijer K, Schrauwen P, Hoeks J.	Impact of aging and exercise on skeletal muscle mitochondrial capacity, energy metabolism, and physical function	Nat Commun. 2021 Aug 6;12(1):4773. doi: 10.1038/s41467-021-24956-2.	14.919	NUTRIM
75	Gross J, Palmowski K, Doleschel D, Rix A, Gremse F, Verburg F, Mottaghy F , Kiessling F, Lederle W, Palmowski M.	Change of apoptosis and glucose metabolism in lung cancer xenografts during cytotoxic and anti-angiogenic therapy assessed by annexin V based optical imaging and 18 F-FDG-PET/CT	Contrast Media Mol Imaging. 2021 Apr 10;2021:6676337. doi: 10.1155/2021/6676337. eCollection 2021.	3.161	GROW
76	Guglielmi V, Compagne K, Sarrami A, Sluis W, van den Berg L, van der Sluijs P, Mandell D, van der Lugt A, Roos Y, Majoie C, Dippel D, Emmer B, van Es A, Coutinho J, MR CLEAN trial and MR CLEAN Registry Investigators	Assessment of recurrent stroke risk in patients with a carotid web	JAMA Neurol. 2021 Jul 1;78(7):826-833. doi: 10.1001/jamaneurol.2021.1101.	18.302	CARIM
77	Gutzeit A, Sartoretti E, Reisinger C, Blautzik J, Sartoretti-Schefer S, Kos S, Fischmann A, Donners R, Harder D, Meissnitzer M, Hergan K, Largiadèr S, Forstner R, Froehlich J, Reischauer C, Matoori S, Koh D, Sartoretti T.	Direct communication between radiologists and patients improves the quality of imaging reports	Eur Radiol. 2021 Nov;31(11):8725-8732. doi: 10.1007/s00330-021-07933-7. Epub 2021 Apr 28.	5.315	CARIM
79	den Hartog S, Zaidat O, Roozenbeek B, van Es A, Bruggeman A, Emmer B, Majoie C, van Zwam W , van den Wijngaart I, van Doormaal P, Lingsma H, Burke J, Dippel D, MR CLEAN Registry Investigators	Effect of first-pass reperfusion on outcome after endovascular treatment for ischemic stroke	J Am Heart Assoc. 2021 Apr 6;10(7):e019988. doi: 10.1161/JAHA.120.019988. Epub 2021 Mar 19.	5.501	CARIM
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82	Heunis S, Breeuwer M, Caballero-Gaudes C, Hellrung L, Huijbers W, Jansen J , Lamerichs R, Zinger S, Aldenkamp A.	The effects of multi-echo fMRI combination and rapid T2*-mapping on offline and real-time BOLD sensitivity	Neuroimage. 2021 Sep;238:118244. doi: 10.1016/j.neuroimage.2021.118244. Epub 2021 Jun 8.	6.556	MHeNs
83	Heusinkveld M, Holtackers R , Adriaans B , Op 't Roodt J, Arts T, Delhaas T, Reesink K, Huberts W.	Complementing sparse vascular imaging data by physiological adaptation rules	J Appl Physiol. 2021 Mar 1;130(3):571-588. doi: 10.1152/jappphysiol.00250.2019. Epub 2020 Oct 29.	3.532	CARIM
84	Heyer F, de Jong J , Willems P, Arts J, Bours S, van Kuijk S, Bons J, Poeze M, Geusens P, van Rietbergen B, van den Bergh J.	The effect of bolus vitamin D3 supplementation on distal radius fracture healing: a randomized controlled trial using HR-pQCT	J Bone Miner Res. 2021 Aug;36(8):1492-1501. doi: 10.1002/jbmr.4311. Epub 2021 Jun 3.	6.741	MHeNs
85	Holtackers R , ter Bekke R, Bijvoet G, Gommers S , Chiribiri A, Lorusso R.	A boolean dilemma: true or false aneurysm?	J Am Coll Cardiol Case Rep. 2021 Jan, 3(1) 112-116. doi/10.1016/j.jaccas.2020.09.055.	24.094	CARIM
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87	Holtackers R , Wildberger J , Wintersperger B, Chiribiri A.	Impact of field strength in clinical cardiac magnetic resonance imaging	Invest Radiol. 2021 Nov 1;56(11):764-772. doi: 10.1097/RLI.0000000000000809.	6.016	CARIM
88	Holtackers R , Van De Heyning C, Chiribiri A, Wildberger J , Botnar R, Kooi M .	Dark-blood late gadolinium enhancement cardiovascular magnetic resonance for improved detection of subendocardial scar: a review of current techniques	J Cardiovasc Magn Reson. 2021 Jul 22;23(1):96. doi: 10.1186/s12968-021-00777-6.	5.364	CARIM
89	Hope A, Verduin M, Dilling T, Choudhury A, Fijten R, Wee L, Aerts H , El Naga I, Mitchell R, Vooijs M, Dekker A, de Ruyscher D, Traverso A.	Artificial Intelligence applications to improve the treatment of locally advanced non-small cell lung cancers	Cancers (Basel). 2021 May 14;13(10):2382. doi: 10.3390/cancers13102382.	6.639	GROW
90	Hoving J, Kappelhof M, Schembri M, Emmer B, Berkhemer O, Groot A, Dippel D, van Zwam W , Coutinho J, Marquering H, Majoie C, van den Berg R, MR CLEAN Registry Investigators	Thrombectomy for acute ischemic stroke patients with isolated distal internal carotid artery occlusion: a retrospective observational study	Neuroradiology. 2021 May;63(5):777-786. doi: 10.1007/s00234-020-02550-5. Epub 2020 Oct 7.	2.804	CARIM

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92	Ibrahim A, Primakov S , Beuque M, Woodruff H , Halilay I, Wu G, Refaee T, Granzier R , Widaatalla Y, Hustinx R, Mottaghy F, Lambin P.	Radiomics for precision medicine: current challenges, future prospects, and the proposal of a new framework	Methods. 2021 Apr;188:20-29. doi: 10.1016/j.jymeth.2020.05.022. Epub 2020 Jun 3.	3.608	GROW
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94	Ibrahim A, Refaee T , Leijenaar R, Primakov S , Hustinx R, Mottaghy F, Woodruff H , Maidment A, Lambin P.	The application of a workflow integrating the variable reproducibility and harmonizability of radiomic features on a phantom dataset	PLoS One. 2021 May 7;16(5):e0251147. doi: 10.1371/journal.pone.0251147. eCollection 2021.	3.240	GROW
95	Ibrahim A, Refaee T, Primakov S , Barufaldi B, Acciavatti R, Granzier R , Hustinx R, Mottaghy F, Woodruff H, Wildberger J, Lambin P , Maidment A.	Reply to Orhac, F.; Buvat, I. Comment on "Ibrahim et al. The effects of in-plane spatial resolution on CT-based radiomic features' stability with and without ComBat harmonization. Cancers 2021, 13, 1848"	Cancers (Basel). 2021 Jun 21;13(12):3080. doi: 10.3390/cancers13123080.	6.639	GROW
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97	Jeuken R, Vles G, Jansen E, Loeffen D , Emans P	The Modified Hedgehog Technique to Repair Pure Chondral Shear-off Lesions in the Pediatric Knee	Cartilage. 13, 1_SUPPL, p. 271S-279S 9 p.; 1 Dec 2021	4.634	CARIM
98	Jeukens C, Boere H, Wagemans B , Nelemans P, Nijssen E , Smith-Bindman R, Wildberger J , Sailer AM	Probability of receiving a high cumulative radiation dose and primary clinical indication of CT examinations: a 5-year observational cohort study	BMJ Open. 2021 Jan 17;11(1):e041883. doi: 10.1136/bmjopen-2020-041883.	2.692	CARIM
99	Jochelson M, Lobbess M.	Contrast-enhanced mammography: state of the art	Radiology. 2021 Apr;299(1):36-48. doi: 10.1148/radiol.2021201948. Epub 2021 Mar 2.	11.105	GROW
100	Juweid M, Tulchinsky, Abu-Asab M, Mottaghy F.	Proposal for greater balance and inclusion in ranking nuclear medicine journals	Eur J Nucl Med Mol Imaging. 2021 May;48(5):1291-1292. doi: 10.1007/s00259-021-05263-w.	9.236	GROW

101	Juweid M, Mueller M, Alhourri A, A-Risheq M, Mottaghy F.	Positron emission tomography/computed tomography in the management of Hodgkin and B-cell non-Hodgkin lymphoma: an update	Cancer. 2021 Oct 15;127(20):3727-3741. doi: 10.1002/cncr.33772. Epub 2021 Jul 19.	5.238	GROW
102	op den Kamp Y, de Ligt M, Dautzenberg B, Kornips E, Esterline R, Hesselink M, Hoeks J, Schrauwen-Hinderling , Havekes B, Oscarsson J, Phielix E, Schrauwen P.	Effects of the SGLT2 inhibitor dapagliflozin on energy metabolism in patients with Type 2 diabetes: a randomized, double-blind crossover trial	Diabetes Care. 2021 Jun;44(6):1334-1343. doi: 10.2337/dc20-2887. Epub 2021 Apr 15.	19.112	NUTRIM
103	Kang D, Simon U, Mottaghy F , Vogg A	Labelling via [Al18F]2+ Using Precomplexed Al-NODA Moieties	Pharmaceuticals. 14, 8, 11 p., 818.; 1 Aug 2021	5.863	GROW
104	Kann B, Hosney A , Aerts H.	Artificial intelligence for clinical oncology	Cancer Cell. 2021 Apr 16;S1535-6108(21)00210-5.	31.743	GROW
105	Kappelhof N, Ramos L, van Os H, Chalos V, van Kranendonk K, Kruyt N, Roos Y, van Zwam W , van der Schaaf C, van Walderveen, Wermer M, van Oostenbrugge R, Lingsma H, Dipel D, Majoie C, Marquering H.	Evolutionary algorithms and decision trees for predicting poor outcome after endovascular treatment for acute ischemic stroke	Comput Biol Med. 2021 Jun;133:104414. doi: 10.1016/j.compbimed.2021.104414. Epub 2021 Apr 21.	4.589	CARIM
106	Kawczynski M, Gilbers M, Van de Walle S, Schalla S , Crijns H, Maessen J, Schotten U, Maesen B, Bidar E.	Role of pre-operative transthoracic echocardiography in predicting post-operative atrial fibrillation after cardiac surgery: a systematic review of the literature and meta-analysis	Europace. 2021 Nov 8;23(11):1731-1743. doi: 10.1093/europace/euab095.	5.214	CARIM
107	Keek S, Wesseling F, Woodruff H , van Timmeren J, Nauta I, Hoffmann T, Cavalieri S, Calareso G, Primakov S , Leijenaar R, Licitra L, Ravanelli M, Scheckenbach K, Poli T, Lanfranco D, Vergeer M, Leemans C, Brakenhoff R, Hoebbers F, Lambin P.	A prospectively validated prognostic model for patients with locally advanced squamous cell carcinoma of the head and neck based on radiomics of computed tomography images	Cancers (Basel). 2021 Jun 29;13(13):3271. doi: 10.3390/cancers13133271.	6.639	GROW
108	van den Kerkhof M , Voorter P , Canjels L , de Jong J , van Oostenbrugge, Kroon A, Jansen J , Backes W.	Time-efficient measurement of subtle blood-brain barrier leakage using a T₁ mapping MRI protocol at 7 T	Magn Reson Med. 2021 May;85(5):2761-2770. doi: 10.1002/mrm.28629. Epub 2020 Dec 8.	4.668	MHeNs
109	Kerkhofs D, Wong S , Zhang E, Staals J, Jansen J , van Oostenbrugge R, Backes W.	Baseline blood-brain barrier leakage and longitudinal microstructural tissue damage in the periphery of white matter hyperintensities	Neurology. 2021 Apr 27;96(17):e2192-e2200. doi: 10.1212/WNL.00000000000011783. Epub 2021 Mar 24.	9.910	MHeNs
110	Kerkhofs D, Wong S , Zhang E, Uiterwijk R, Hoff E, Jansen J , Staals J, Backes W , van Oostenbrugge R.	Blood-brain barrier leakage at baseline and cognitive decline in cerebral small vessel disease: a 2-year follow-up study	Geroscience. 2021 Aug;43(4):1643-1652. doi: 10.1007/s11357-021-00399-x. Epub 2021 Jun 23.	7.713	MHeNs
111	Kirkegard, Al-Saidi M, Bralje S, Coolsen M, de Haas R, den Dulk M, Fristrup C, Greve O, Harrison E, Koutouzi G, Miclea R , Mortensen M, Nijkamp M, Persson J, Robertson F, Slangen J, Soreide J, Wigmore S, Mortensen F.	Intra-observer agreements in multidisciplinary team assessments of pancreatic cancer patients	J Surg Oncol. 2021 Dec;124(8):1402-1408. doi: 10.1002/jso.26670. Epub 2021 Sep 7.	3.454	GROW

112	Klinkhammer S, Horn J, Visser-Meilij J, Verwijk E, Duits A, Slooter A, van Heugten C, Jansen J ; NeNeSCO study group (Postma)	Dutch multicentre, prospective follow-up, cohort study comparing the neurological and neuropsychological sequelae of hospitalised non-ICU and ICU-treated COVID-19 survivors: a study protocol	BMJ Open. 2021 Oct 7;11(10):3054901. doi: 10.1136/bmjopen-2021-054901. PMID: 34620676.	2.692	MHeNs
113	Klinkhammer B, Lammers T, Mottaghy F , Kiessling F, Floege Jürgen, Boor P.	Non-invasive molecular imaging of kidney diseases	Nat Rev Nephrol. 2021 Oct;17(10):688-703. doi: 10.1038/s41581-021-00440-4.	28.314	GROW
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115	Kocher M, Jockwitz C, Lerche C, Sabel M, Lohmann P, Stoffels G, Filss C, Mottaghy F , Ruge M, Fink G, Shah N, Galldiks N, Caspers S, Langen K	Case Report: Disruption of Resting-State Networks and Cognitive Deficits After Whole Brain Irradiation for Singular Brain Metastasis	Frontiers in Neuroscience. 15, 9 p., 738708.; 27 Oct 2021	4.677	GROW
116	Kok E, Sorger B, van Geel K, Gegenfurtner A, van Merriënboer J, Robben S , de Bruin A	Holistic processing only? The role of the right fusiform face area in radiological expertise	PLoS One. 16, 9, 20 p., e0256849; 1 Sep 2021	3.240	SHE
117	Konduri P, van Kranendonk K, Boers A, Treurniet K, Berkhemer O, Yoo A, van Zwam W , van Oostenbrugge R, van der Lugt A, Dippel D, Roos Y, Bot J, Majoie C, Marquering H, MR CLEAN Trial Investigators.	The role of edema in subacute lesion progression after treatment of acute ischemic stroke	Front Neurol. 2021 Jul 20;12:705221. doi: 10.3389/fneur.2021.705221. eCollection 2021.	4.003	CARIM
118	Konduri P, van Voorste H, Bucker A, van Kranendonk K, Boers A, Treurniet K, Berkhemer O, Yoo A, van Zwam W , van Oostenbrugge R, van der Lugt A, Dippel D, Roos Y, Bot J, Majoie C, Marquering H, MR CLEAN Investigators.	Posttreatment ischemic lesion evolution is associated with reduced favorable functional outcome in patients with stroke	Stroke. 2021 Nov;52(11):3523-3531. doi: 10.1161/STROKEAHA.120.032331. Epub 2021 Jul 22.	7.914	CARIM
119	de Krom M, Kalmet P, Jagtenberg E, Jansen J, Versteegh V , Verbruggen J, Seelen H & Poeze M	Medium-Term Patient-Reported Quality of Life and Activities of Daily Living in Surgically Treated Trauma Patients With Pelvic, Acetabular or Combined Pelvic and Acetabular Fractures in a Retrospective Single-Center Study	J Orthop Trauma. 35, 4, p. 192-197 6 p. Apr 2021	2.512	CARIM
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123	Laven P, Kruitwagen R, Zusterzeel P, Slangen B, van Gorp T, van der Pol J , Lambrechts S.	Sentinel lymph node identification in early stage ovarian cancer: is it still possible after prior tumor resection?	J Overian Res. 2021 Oct 13;14(1):132. doi: 10.1186/s13048-021-00887-w.	4.234	GROW
124	Lavrova E, Lommers E, Woodruff H , Chatterjee A, Maquet P, Salmon E, Lambin P , Phillips C.	Exploratory radiomic analysis of conventional vs. quantitative brain MRI: toward automatic diagnosis of early multiple sclerosis	Front Neurosci. 2021 Jul 5;15:653130. doi: 10.3389/fnins.2021.653130. eCollection 2021.	4.677	GROW
125	LeCouffe N, Kappelhof M, Treurniet K, Rinkel L, Bruggeman A, Berkhemer O, Wolff L, van Voorste H, Tolhuisen M, Dippel D, van der Lugt A, van Es A, Boiten J, Lycklama A Nijeholt G, Keizer K, Gons R, Yo L, van Oostenbrugge R, van Zwam W , Roozenbeek B, van der Worp B, van den Wijngaard I, de Ridder I, Costalat V, Arquizan C, Lemmens R, Demeestere J, Hofmeijer J, Martens J, Schonewille W, Vos J, Uyttenboogaart M, Bokkers R, van Tuijl J, Kortman H, Schreuder F, Boogaarts H, de Laat K, van Dijk L, den Hertog H, van Hasselt B, Brouwers P, Bulut T, Remmers M, van Norden A, Imani F, Rozeman A, Elgersma O, Desfontaines P, Brisbouis D, Samson Y, Clarencon F, Krietemeijer G, Postma A , van Doormaal P, van den Berg R, van der Hoorn A, Beenen L, Lingsma H, Emmer B, Coutinho J, Marjoie C, Roos Y, MR CLEAN-NO IV Investigators	A randomized trial of intravenous alteplase before endovascular treatment for stroke	N Engl J Med. 2021 Nov 11;385(20):1833-1844. doi: 10.1056/NEJMoa2107727.	91.253	CARIM
126	Lessmann N, Sánchez C, Beenen L, Boulogne L, Brink M, Calli E, Charbonnier J, Dofferhoff T, van Everdingen W, Gerke P, Geurts B, Gietema H , Groeneveld M, van Harten L, Hendrix N, Hendrix W, Huisman H, Išgum I, Jacobs C, Kluge R, Kok M, Krdzalic J, Lassen-Schmidt B, van Leeuwen K, Meakin J, Overkamp M, van Rees Vellinga T, van Rikxoort E, Samperna R, Schaefer-Prokop C, Schalekamp S, Scholten E, Sital C, Stöger L, Teuwen J, Vaidhya Venkadesh K, de Vente C, Vermaat M, Xie W, de Wilde B, Prokop M, van Ginneken B.	Automated assessment of CO-RADS and chest CT severity scores in patients with suspected COVID-19 using Artificial Intelligence	Radiology. 2021 Jan;298(1):E18-E28. doi: 10.1148/radiol.2020202439. Epub 2020 Jul 30.	11.105	GROW

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128	Lobbes M , Heuts E, Moosdorff M, van Nijnatten T .	Contrast enhanced mammography (CEM) versus magnetic resonance imaging (MRI) for staging of breast cancer: the pro CEM perspective	Eur J Radiol. 2021 Sep;142:109883. doi: 10.1016/j.ejrad.2021.109883. Epub 2021 Jul 30.	3.528	GROW
129	Lohmann P, Galldiks N, Kocher M, Heinzel A, Filss C, Stegmayer C, Mottaghy F , Fink G, Jon Shah N, Langen K.	Radiomics in neuro-oncology: basics, workflow, and applications	Methods. 2021 Apr;188:112-121. doi: 10.1016/j.jymeth.2020.06.003. Epub 2020 Jun 6.	3.608	GROW
130	Luijten S, Bos D, Compagne K, Wolff L, Majoie C, Roos Y, van Zwam W , van Oostenbrugge J, Dippel D, van der Lugt A, van Es A, MR Clean trial investigators	Association of white matter lesions and outcome after endovascular stroke treatment	Neurology. 2021 Jan 19;96(3):e333-e342. doi: 10.1212/WNL.0000000000010994. Epub 2020 Oct 12.	9.910	CARIM
131	Mahnken A, Seoane E, Cannavale A, de Haan M , Dezman R, Kloeckner R, O'Sullivan G, Ryan A, Tsoumakidou G	CIRSE Clinical Practice Manual	Cardiovasc Intervent Radiol. 44, 9, p. 1323-1353 31 p.; 1 Sep 2021	2.740	CARIM
132	Mali S, Ibrahim A , Woodruff H , Andrearczyk V, Müller H, Primakov S , Salahuddin Z, Chatterjee A, Lambin P .	Making radiomics more reproducible across scanner and imaging protocol variations: a review of harmonization methods	J Pers Med. 2021 Aug 27;11(9):842. doi: 10.3390/jpm11090842.	4.945	GROW
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135	Mason N, Theunissen E, Hutten N, Tse D, Toennes S, Jansen J , Stiers P, Ramaekers J.	Reduced responsiveness of the reward system is associated with tolerance to cannabis impairment in chronic users	Addict Biol. 2021 Jan;26(1):e12870. doi: 10.1111/adb.12870. Epub 2019 Dec 22.	4.280	MHeNs
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137	Mentink M , Bakers F , Mihl C , Lahaye M, Rennenberg R, Latten B, Kubat B, Hofman P .	Introduction of postmortem CT increases the postmortem examination rate without negatively impacting the rate of traditional autopsy in daily practice: an implementation study	J Clin Pathol. 2021 Mar;74(3):177-181. doi: 10.1136/jclinpath-2020-206734. Epub 2020 Jul 16.	3.411	CAPHRI

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139	Meyer-Baese A, Morra L, Tahmassebi A, Lobbes M , Meyer-Baese U, Pinker K.	AI-enhanced diagnosis of challenging lesions in breast MRI: a methodology and application primer	J Magn Reson Imaging. 2021 Sep;54(3):686-702. doi: 10.1002/jmri.27332. Epub 2020 Aug 30.	3.954	GROW
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143	de Mooij C, Mitea C , Mottaghy F , Smidt M, van Nijntzen T .	Value of 18 F-FDG PET/CT for predicting axillary pathologic complete response following neoadjuvant systemic therapy in breast cancer patients: emphasis on breast cancer subtype	EJNMMI Res. 2021 Nov 22;11(1):116. doi: 10.1186/s13550-021-00861-z.	3.138	GROW
144	Moonen R , Coolen B, Sluimer J, Daemen M, Strijkers G	Iron oxide nanoparticle uptake in mouse brachiocephalic artery atherosclerotic plaque quantified by T₂-mapping MRI	Pharmaceutics. 2021 13(2),279. doi:10.3390/pharmaceutics13020279	6.321	CARIM
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147	de Munck T, Verhaegh P, Lodewick T , Bakers F , Jonkers D, Masclee A, Verbeek J, Koek G	Myosteatosis in nonalcoholic fatty liver disease: an exploratory study	Clin Res Hepatol Gastroenterol. 2021 May;45(3):101500. doi: 10.1016/j.clinre.2020.06.021. Epub 2020 Aug 20.	2.947	NUTRIM
148	Mulder M, Brandts L, Brüggeman R, Koelmann M, Streng A, Olie R, Gietema H , Spronk H, van der Horst I, Sels J, Wildberger J , van Kuijk S, Schnabel R, ten Cate H, Henskens Y, van Bussel B.	Serial markers of coagulation and inflammation and the occurrence of clinical pulmonary thromboembolism in mechanically ventilated patients with SARS-CoV-2 infection; the prospective Maastricht intensive care COVID cohort	Thromb J. 2021 May 31;19(1):35. doi: 10.1186/s12959-021-00286-7.	5.500	CARIM / GROW

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150	Navarro F, Dapper H, Asadpour R, Knebel C, Spraker M, Schwarze V, Schaub S, Mayr N, Specht K, Woodruff H, Lambin P , Gersing A, Nyflot M, Menze B, Combs S, Peeken J.	Development and external validation of deep-learning-based tumor grading models in soft-tissue sarcoma patients using MR imaging	Cancers (Basel). 2021 Jun 8;13(12):2866. doi: 10.3390/cancers13122866.	6.639	GROW
151	Neeter L , Raat H, Meens-Koreman S, van Stiphout R, Timmermans S, Duvivier K, Smidt M, Wildberger J , Nelemans P, Lobbés M .	The diagnostic value of contrast-enhanced 2D mammography in everyday clinical use	Sci Rep. 2021 Nov 15;11(1):22224. doi: 10.1038/s41598-021-01622-7.	4.380	GROW
152	Neeter L , Raat H, Alcantara R, Robbe Q, Smidt M, Wildberger J, Lobbés M .	Contrast-enhanced mammography: what the radiologist needs to know	BJR Open. 2021; 3(1): 20210034. Published online 2021 Nov 24. doi: 10.1259/bjro.20210034.	3.039	GROW
153	Ng F, Yassi N, Sharma G, Brown SB, Goyal M, Majoie C, Jovin T, Hill M, Muir K, Saver J, Guillemin F, Demchuk A, Menon B, San Roman L, Liebeskind D, White P, Dippel D, Davalos A, Bracard S, Mitchell P, Wald M, Davis S, Sheth K, Kimberly W, Campbell B; HERMES Collaborators .	Cerebral edema in patients with large hemispheric infarct undergoing reperfusion treatment: a HERMES meta-analysis	Stroke. 2021 Nov;52(11):3450-3458. doi: 10.1161/STROKEAHA.120.033246. Epub 2021 Aug 13.	7.914	CARIM
154	Nienhuijs S, Berkvens E, de Vries Reilingh T, Mommers E , Bouvy N, Wegdam J	The male rectus diastasis: a different concept?	Hernia. 25, 4, p. 951-956 6 p.; Aug 2021	4.739	CARIM
155	Nies K , Smits L, Kassem M , Nederkoorn P, van Oostenbrugge R, Kooi M .	Emerging role of carotid MRI for personalized ischemic stroke risk prediction in patients with carotid artery stenosis	Front Neurol. 2021 Aug 3;12:718438. doi: 10.3389/fneur.2021.718438. eCollection 2021	4.003	CARIM
156	Nijssen E, Wildberger J .	A novel risk score for contrast-associated acute kidney injury: the heart of the matter	Lancet. 2021 Nov 27;398(10315):1941-1943. doi: 10.1016/S0140-6736(21)02445-4. Epub 2021 Nov 15.	79.323	CARIM
157	Nijssen E , Rennenberg R, Nelemans P, van Ommen V, Wildberger J	Post-contrast acute kidney injury and intravenous prophylactic hydration: an update	Rofo. 2021 Feb;193(2):151-159. doi: 10.1055/a-1248-9178. Epub 2020 Dec 16.	1.669	CARIM
158	Nobel M , Puts S, Weiss J, Aerts H , Mak R, Robben S , Dekker A.	T-staging pulmonary oncology from radiological reports using natural language processing: translating into a multi-language setting	Insights Imaging. 2021 Jun 10;12(1):77. doi: 10.1186/s13244-021-01018-1.	5.231	SHE / GROW
159	Nobel M , van Geel K, Robben S	Structured reporting in radiology: a systematic review to explore its potential	Eur Radiol. 2021 Oct 15. doi: 10.1007/s00330-021-08327-5. Epub ahead of print. PMID: 34652520.	5.315	SHE

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161	Ospel J, Kappelhof M, Kashani N, Menon B, Campbell B, San Roman L, Demchuk A, Dippel D, Saver J, Jovin T, Mitchell P, Bracad S, Muir K, White P, Guillemin F, Majoie C, Hill M, Brown S, Goyal M; HERMES collaborators .	Effect of age and baseline ASPECTS on outcomes in large-vessel occlusion stroke: results from the HERMES collaboration	Neurointerv Surg. 2021 Sep;13(9):790-793. doi: 10.1136/neurintsurg-2020-016621. Epub 2020 Sep 14.	5.836	CARIM
162	Ospel J, Kashani N, Mayank A, Kaesmacher J, Hanning U, Brinjikji W, Cloft H, Almekhlafi M, Mitha A, Wong J, Costalat V, van Zwam W , Goyal M.	Physician factors influencing endovascular treatment decisions in the management of unruptured intracranial aneurysms	Neuroradiology. 2021 Jan;63(1):117-123. doi: 10.1007/s00234-020-02509-6. Epub 2020 Aug 1.	2.804	CARIM
163	Ospel J, Brown S, Kappelhof M, van Zwam W , Jovin T, Roy D, Campbell B, Mitchell P, Roos Y, Guillemin F, Buck B, Muir K, Bracad S, White P, du Mesnil de Rochemont R, Goyal M, HERMES Investigators.	Comparing the prognostic impact of age and baseline national institutes of health stroke scale in acute stroke due to large vessel occlusion	Stroke. 2021 Aug;52(9):2839-2845. doi: 10.1161/STROKEAHA.120.032364. Epub 2021 Jul 8.	7.914	CARIM
164	Otazo R, Lambin P , Pignol J, Ladd M, Schlemmer H, Baumann M, Hricak H.	MRI-guided radiation therapy: an emerging paradigm in adaptive radiation oncology	Radiology. 2021 Feb;298(2):248-260. doi: 10.1148/radiol.2020202747. Epub 2020 Dec 22.	11.105	GROW
165	Paraskevas K, Mikhailidis D, Baradaran H, Eckstein H, Faggioli G, Fernandes E Fernandes J, Gupta A, Jezovnik M, Kakkos S, Katsiki N, Kooi M , Lanza G, Liapis C, Loftus I, Millon A, Nicolaidis A, Poredos P, Pini R, Ricco J, Rundek T, Saba L, Spinelli F, Stilo F, Sultan S, Zeebregts C, Chaturvedi S.	Management of patients with asymptomatic carotid stenosis may need to be individualized: a multidisciplinary call for action. Republication of J Stroke 2021;23:202-212	Int Angiol. 2021 Dec;40(6):487-496. doi: 10.23736/S0392-9590.21.04751-9. Epub 2021 Jul 27.	2.789	CARIM
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169	Pirson A, Hinsenveld W, Goldhoorn R , Staals J, de Ridder I, van Zwam W , van Walderveen M, Lycklama À Nijehol G, Uyttenboogaart M, Schonewille W, van der Lugt A, Dippel D, Roos Y, Majoie C, van Oostenbrugge, MR CLEAN-LATE investigators .	MR CLEAN-LATE, a multicenter randomized clinical trial of endovascular treatment of acute ischemic stroke in The Netherlands for late arrivals: study protocol for a randomized controlled trial	Trials. 2021 Feb 24;22(1):160. doi: 10.1186/s13063-021-05092-0.	2.279	CARIM
170	Posthuma R, Vaes A, Walraven K, Sardari Nia P, Schreibers J, Gietema H , Wesseling G, Wouters E, Vanfleteren L.	Implementation of bronchoscopic lung volume reduction using one-way endobronchial valves: a retrospective single-centre cohort study	Respiration. 2021 Dec 22;1-9. doi: 10.1159/000520885. Online ahead of print.	3.580	GROW
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173	Raghu V, Weiss J, Hoffmann U, Aerts H , Lu M.	Deep learning to estimate biological age from chest radiographs	JACC Cardiovasc Imaging. 2021 Nov;14(11):2226-2236. doi: 10.1016/j.jcmg.2021.01.008. Epub 2021 Mar 17.	14.805	CARIM
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177	Roumans K , Basset Sagarminaga J, Peters H, Schrauwen P, Schrauwen-Hinderling V .	Liver fat storage pathways: methodologies and dietary effects	Curr Opin Lipidol. 2021 Feb 1;32(1):9-15. doi: 10.1097/MOL.0000000000000720.	4.776	NUTRIM

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179	Samiei S , de Mooij C, Lobbes M , Keymeulen K, van Nijnatten T , Smidt M.	Diagnostic performance of noninvasive imaging for assessment of axillary response after neoadjuvant systemic therapy in clinically node-positive breast cancer: a systematic review and meta-analysis	Ann Surg. 2021 Apr 1;273(4):694-700. doi: 10.1097/SLA.0000000000004356.	12.969	GROW
180	Samiei S , Granzier R, Ibrahim A, Primakov S , Lobbes M , Beets-Tan R, van Nijnatten T , Engelen S, Woodruff H , Smidt M.	Dedicated axillary MRI-based radiomics analysis for the prediction of axillary lymph node metastasis in breast cancer	Cancers (Basel). 2021 Feb 10;13(4):722. doi: 10.3390/cancers13040722.	6.639	GROW
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182	Samuels N, van de Graaf R, van den Berg C, Nieboer D, Eralp I, Treurniet K, Emmer B, Immink R, Majoie C, van Zwam W , Bokkers R, Uyttenboogaart M, van Hasselt B, Mühling J, Burke J, Roozenbeek B, van der Lugt A, Dippel D, Lingsma H, van Es A, MR CLEAN Registry Investigators .	Blood pressure during endovascular treatment under conscious sedation or local anesthesia	Neurology. 2021 Jan 12;96(2):e171-e181. doi: 10.1212/WNL.0000000000011006. Epub 2020 Oct 7.	9.910	CARIM/MHeNs
183	Samuels N, van de Graaf R, van den Berg C, Uniken Venema S, Bala K, van Doormaal P, van der Steen W, Witvoet E, Boiten J, den Hertog H, Schonewille W, Hofmeijer J, Schreuder F, Schreuder T, van der Worp H, Roos Y, Majoie C, Burke J, van Es A, van der Lugt A, Roozenbeek B, Lingsma H, Dippel D; MR CLEAN Registry Investigators	Blood pressure in the first 6 hours following endovascular treatment for ischemic stroke is associated with outcome	Stroke. 2021 Nov;52(11):3514-3522. doi: 10.1161/STROKEAHA.120.033657. Epub 2021 Sep 20. PMID: 34538090	7.914	MHeNs
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185	Sartoretti E, Sartoretti-Schefer S, van Smoorenburg L, Eichenberger B, Schwenk A, Czell D, Alfieri A, Gutzeit A, Mannil M, Binkert C, Wyss M, Sartoretti T .	Single shot zonal oblique multislice SE-EPI diffusion-weighted imaging with low to ultra-high b-values for the differentiation of benign and malignant vertebral spinal fractures	Eur J Radiol Open. 2021 Sep 22;8:100377. doi: 10.1016/j.ejro.2021.100377. eCollection 2021.	1.579	CARIM
186	Sartoretti E, Sartoretti-Schefer S, van Smoorenburg L, Binkert C, Gutzeit A, Wyss M, Sartoretti T .	Spiral 2D T2-weighted TSE brain MR imaging: initial clinical experience	AJNR Am J Neuroradiol. 2021 Nov;42(11):1962-1967. doi: 10.3174/ajnr.A7299. Epub 2021 Oct 21.	3.825	CARIM

187	Sartoretti E, Sartoretti T , van Smoorenburg L, Sartoretti-Schefer S, Wyss M, Binkert C	Qualitative and Quantitative Analysis of a Spiral Gradient Echo Sequence for Contrast-Enhanced Fat-Suppressed T1-Weighted Spine Magnetic Resonance Imaging	Invest Radiol. 56, 8, p. 517-524 8 p. Aug 2021	6.016	CARIM
188	Sartoretti T , Sartoretti E, Wyss M, Mannil M, van Smoorenburg L, Eichenberger B, Reischauer C, Alfieri A, Binkert C, Sartoretti-Schefer S	Diffusion-weighted MRI of ischemic stroke at 3T: Value of synthetic b-values	Br J Radiol. 94, 1121, 9 p., 20200869, 2021	3.039	CARIM
189	Sartoretti E, Wyss M, Eichenberger B, van Smoorenburg L, Binkert C, Sartoretti-Schefer S, Sartoretti T	Rapid T2-weighted turbo spin echo MultiVane brain MRI using compressed SENSE: a qualitative analysis	Clinical Radiology. 76, 10, p. 786.e15-786.e22 8 p.; 1 Oct 2021	2.350	CARIM
190	Schalekamp S, Bleeker-rovers C, Beenen L, Quarles van Ufford H, Gietema H , Stöger L, Harris V, Reijers M, Rahamat-Langendoen J, Korevaar D, Smits L, Korteweg C, van Rees Vellinga T, Vermaat M, Stassen P, Scheper H, Wijnakker R, Borm F, Dofferhoff A, Prokop M.	Chest CT in the emergency department for diagnosis of COVID-19 pneumonia: dutch experience	Radiology. 2021 Feb;298(2):E98-E106. doi: 10.1148/radiol.2020203465. Epub 2020 Nov 17.	11.105	GROW
191	Scheijmans J, Borgstein A, Bom W, Bachiri S, van Bodegraven E, Brandsma A, Ter Brugge F, de Castro S, Couvreur R, Fracken L, Gaspersz, de Graaff M, Groenen H, Kleipool S, Kuypers T, Martens M, Mens D, Orsini R, Reneerkens N, Schok T, Sedee W, Tavakoli Rad S, Volders J, Weeders P, Prins J, Gietema H , Gisbertz S, Besselink M, Boermeester M, SCOUT Collaborative Study Group.	Impact of the COVID-19 pandemic on incidence and severity of acute appendicitis: a comparison between 2019 and 2020	BMC Emerg Med. 2021 May 12;21(1):61. doi: 10.1186/s12873-021-00454-y.	2.119	GROW
192	Schipper J, van Lieshout M, Bohringer S, Padwa B, Robben S , van Rijn R, Koudstaal M, Lequin M, Wolvius E	Modelling growth curves of the normal infant's mandible: 3D measurements using computed tomography	Clin Oral Investig. 25, 11, p. 6365-6375 11 p.; Nov 2021	3.573	SHE
193	Schött H, Konings M, Schrauwen-Hinderling V , Mensink P, Plat J	A validated method for quantification of fatty acids incorporated in human plasma phospholipids by gas chromatography-triple quadrupole mass spectrometry	ACS Omega. 2021 Jan 4;6(2):1129-1137. doi: 10.1021/acsomega.0c03874. eCollection 2021 Jan 19. PMID: 33490772 Free PMC article.	3.512	NUTRIM
194	Schurink N, van Kranen S, Berbee M, van Elmpt W, Bakers F , Roberti S, van Griethuysen J, Min L, Lahaye M, Maas M, Beets G, Beets-Tan R, Lambregts D.	Studying local tumour heterogeneity on MRI and FDG-PET/CT to predict response to neoadjuvant chemoradiotherapy in rectal cancer	Eur Radiol. 2021 Sep;31(9):7031-7038. doi: 10.1007/s00330-021-07724-0. Epub 2021 Feb 10.	5.315	GROW
195	Segers P, Hendriks B , Heuts S.	Deep venous thrombosis with symptomatic bilateral pulmonary embolism after using an infrapatellar strap for patellofemoral pain in an athletic cardiothoracic surgeon	Clin J Sport Med. 2021 Nov 1;31(6):e509-e511. doi: 10.1097/JSM.0000000000000859.	3.638	CARIM
196	Sellers A, Pallubinsky H, Rense P, Bijmens W, van de Weijer T , Moonen-Kornips E, Schrauwen P, van Marken Lichtenbelt W.	The effect of cold exposure with shivering on glucose tolerance in healthy men	J Appl Physiol (1985). 2021 Jan 1;130(1):193-205. doi: 10.1152/jappphysiol.00642.2020. Epub 2020 Oct 22.	3.532	NUTRIM

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198	Simons N, Veeraiah P , Simons P, Schaper N, Kooi M , Schrauwen-Hinderling V , Freskens E, van der Ploeg L, Van den Eynde M, Schalkwijk C, Stehouwer C, Brouwers M.	Effects of fructose restriction on liver steatosis (FRUITLESS); a double-blind randomized controlled trial	Am J Clin Nutr. 2021 Feb 2;113(2):391-400. doi: 10.1093/ajcn/nqaa332.	7.047	NUTRIM
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201	Slegers R, van der Vlis T, Ackermans L, Hoeben A, Postma A , Compter I, Hoeijmakers J, Beckervordersandforth J, Broen M & Schijns O	Myasthenia gravis after glioblastoma resection: paraneoplastic syndrome or coincidence? A unique case report and review of the literature	Acta Neurochir. 5 p. 29 Oct 2021, (E-pub ahead of print)	2.216	MHeNs
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204	Steidl E, Langen K, Abu Hmeidan S, Polomac N, Filss C, Galldiks N, Lohmann P, Keil F, Filipski K, Mottaghy F , Jon Shah N, Steinbach P, Hattingen E, Maurer G.	Sequential implementation of DSC-MR perfusion and dynamic [¹⁸F]FET PET allows efficient differentiation of glioma progression from treatment-related changes	Eur J Nucl Med Mol Imaging. 2021 Jun;48(6):1956-1965. doi: 10.1007/s00259-020-05114-0. Epub 2020 Nov 26.	9.236	GROW

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206	Taghavi M, Trebeschi S, Simões R, Meek D, Beckers R, Lambregts D, Verhoef C, Houwers J , van der Heide U, Beets-Tan R, Maas M	Machine learning-based analysis of CT radiomics model for prediction of colorectal metachronous liver metastases	Abdom Radiol (NY). 2021 Jan;46(1):249-256. doi: 10.1007/s00261-020-02624-1.	3.039	CARIM
207	Tariq B, Simon S , Pilz W, Maxim A, Kremer B, Baijens L.	Evaluating the safety of oral methylene blue during swallowing assessment: a systematic review	Eur Arch Otorhinolaryngol. 2021 Sep;278(9):3155-3169. doi: 10.1007/s00405-020-06509-3. Epub 2021 Jan 2.	2.503	GROW
208	van der Thiel M , Freeze W, Verheggen I, Wong S, de Jong J, Postma A , Hoff E, Gronenschild E, Verhey F, Jacobs H, Ramakers I, Backes W, Jansen J.	Associations of increased interstitial fluid with vascular and neurodegenerative abnormalities in a memory clinic sample	Neurobiol Aging. 2021 Oct;106:257-267. doi: 10.1016/j.neurobiolaging.2021.06.017. Epub 2021 Jul 5.	4.673	MHeNs
209	Tijssen M , Cornips E, Nicolai J	Teaching Video NeuroImages: Spontaneous Third Ventriculostomy	Neurology. 96, 8, p. E1266-E1266 1 p.; 23 Feb 2021	9.910	MHeNs
210	Tolhuisen M, Kappelhof M, Dutra B, Jansen I, Guglielmi V, Dippel D, van Zwam W , van Oostenbrugge R, van der Lugt A, Roos Y, Majoie C, Caan M, Marquering H; MR CLEAN Registry Investigators.	Influence of onset to imaging time on radiological thrombus characteristics in acute ischemic stroke	Front Neurol. 2021 Jun 18;12:693427. doi: 10.3389/fneur.2021.693427. eCollection 2021.	4.003	CARIM
211	Trebeschi S, Bodalal Z, Boellaard T, Tareco Bucho T, Drago S, Kurilova L, Calin-Vainak A, Delli Pizzi A, Muller M, Hummelink K, Hartemink K, Nguyen-Kim T, Smit E, Aerts H , Beets-Tan R.	Prognostic value of deep learning-mediated treatment monitoring in lung cancer patients receiving immunotherapy	Front Oncol. 2021 Mar 2;11:609054. doi: 10.3389/fonc.2021.609054. eCollection 2021.	6.244	GROW
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213	Treurniet K, LeCouffe N, Kapphof M, Emmer B, van Es A, Boiten J, Lycklama G, Keizer K, Yo L, Lingsma H, van Zwam W , de Ridder I, van Oostenbrugge R, van der Lugt A, Dippel D, Coutinho J, Roos Y, Majoie C, MR CLEAN-NO IV Investigators.	MR CLEAN-NO IV: intravenous treatment followed by endovascular treatment versus direct endovascular treatment for acute ischemic stroke caused by a proximal intracranial occlusion-study protocol for a randomized clinical trial	Trials. 2021 Feb 15;22(1):141. doi: 10.1186/s13063-021-05063-5.	2.279	CARIM
214	Türkkan G, Willems Y, Hendriks L, Mostard R, Conemans L, Gietema H, Mitea C , Peeters S, De Ruyscher D.	Idiopathic pulmonary fibrosis: current knowledge, future perspectives and its importance in radiation oncology	Radiother Oncol. 2021 Feb;155:269-277. doi: 10.1016/j.radonc.2020.11.020. Epub 2020 Nov 24.	6.280	GROW
215	Ulrichsen K, Kolskar K, Richard G, Alnaes D, Dorum E, Sanders A, Tornas S, Monereo Sánchez J , Engvig, Ihle-Hansen H, Thiebaut de Schotten M, Nordvik J, Westlye L.	Structural brain disconnectivity mapping of post-stroke fatigue	Neuroimage Clin. 2021;30:102635. doi: 10.1016/j.nicl.2021.102635. Epub 2021 Mar 22.	4.881	MHeNs

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217	Vaidyanathan A, van der Lubbe M, Leijenaar R, van Hoof M, Zerka F, Miraglio B, Primakov S, Postma A , Bruintjes T, Bilderbeek M, Sebastiaan H, Dammeijer P, van Rompaey V, Woodruff H , Vos W, Walsh S, van de Bergh R, Lambin P.	Deep learning for the fully automated segmentation of the inner ear on MRI	Sci Rep. 2021 Feb 3;11(1):2885. doi: 10.1038/s41598-021-82289-y.	4.380	GROW/MHeNs
218	Vane M, Moosdorff M, van Maaren M, van Kuijk S, van Nijnatten T , van Roozendaal L, Boerma E, de Wilt J, Smidt M.	Conditional regional recurrence risk: the effect of event-free years in different subtypes of breast cancer	Eur J Surg Oncol. 2021 Jun;47(6):1292-1298. doi: 10.1016/j.ejso.2020.11.122. Epub 2020 Nov 27.	3.184	GROW
219	Vanweert F, Boone S, Brouwers B, Mook-Kanamori D, de Mutsert R, Rosendaal F, Lamb H, Schrauwen-Hinderling V , Schrauwen P, Hesselink M, Phielix E.	The effect of physical activity level and exercise training on the association between plasma branched-chain amino acids and intrahepatic lipid content in participants with obesity	Int J Obes (Lond). 2021 Jul;45(7):1510-1520. doi: 10.1038/s41366-021-00815-4. Epub 2021 May 2.	5.095	NUTRIM
220	Veenhuizen S, de Lange S, Bakker M, Pijnappel R, Mann R, Monnikhof E, Emaus M, de Koekoek-Doll P, Bisschops R, Lobbes M , de Jnog M, Duvivier K, Veltman J, Karssemeijer N, de Koning H, van Diest P, Mali W, van den Bosch M, van Gils C, Veldhuis W, DENSE Trial Study Group.	Supplemental breast MRI for women with extremely dense breasts: results of the second screening round of the DENSE trial	Radiology. 2021 May;299(2):278-286. doi: 10.1148/radiol.2021203633. Epub 2021 Mar 16.	11.105	GROW
221	Venema E, Roozenbeek B, Mulder M, Brown S, Majoie C, Steyerberg E, Demchuk A, Muir K, Dávalos A, Mitchell P, Bracard S, Berkhemer O, Lycklama À Nijeholt G, van Oostenbrugge R, Roos Y, van Zwam W , van der Lugt A, Hill M, White P, Campbell B, Guillemin F, Saver J, Jovin T, Goyal M, Dippel D, Lingsma H, HERMES collaborators and MR CLEAN Registry Investigators.	Prediction of outcome and endovascular treatment benefit: validation and update of the MR PREDICTS decision tool	Stroke. 2021 Aug;52(9):2764-2772. doi: 10.1161/STROKEAHA.120.032935. Epub 2021 Jul 16.	7.914	CARIM
222	Verduin M, Primakov S , Compter I, Woodruff H , van Kuijk S, Ramaekers B, te Dorsthorst M, Revenich E, ter Laan M, Pegge S, Meijer F, Beckervordersandforth J, Speel E, Kusters B, de Leng W, Anten M, Groen M, Ackermans L, Schrijns O, Teernstra O, Hovinga, Vooijs M, Tjan-Heijnen V, Eekers D, Postma A, Lambin P , Hoeben A.	Prognostic and predictive value of integrated qualitative and quantitative magnetic resonance imaging analysis in glioblastoma	Cancers (Basel). 2021 Feb 10;13(4):722. doi: 10.3390/cancers13040722.	6.639	GROW/MHeNs
223	Vergoossen L, Jansen J , van Sloten T, Stehouwer C, Schaper N, Wesselius A, Dagnelie P, Köhler S, van Boxtel M, Kroon A, de Jong J , Schram M, Backes W.	Interplay of white matter hyperintensities, cerebral networks, and cognitive function in an adult population: diffusion-tensor imaging in the Maastricht Study	Radiology. 2021 Feb;298(2):384-392. doi: 10.1148/radiol.2021202634. Epub 2020 Dec 22.	11.105	MHeNs
224	Vergoossen L, Janssen J, de Jong J , Stehouwer C, Schaper N, Savelberg H, Koster A, Backes W , Schram M.	Association of physical activity and sedentary time with structural brain networks-The Maastricht Study	Geroscience. 2021 Feb;43(1):239-252. doi: 10.1007/s11357-020-00276-z. Epub 2020 Oct 9.	7.713	MHeNs

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226	van Voorst H, Kunz W, van den Berg L, Kappelhof M, Pinckaers F , Goyal M, Hunink M, Emmer B, Mulder M, Dippel D, Coutinho J, Marquering H, Boogaarts H, van der Lugt, van Zwam W , Roos Y, Buskens E, Dijkgraaf M, Majoie C, MR CLEAN Registry investigators.	Quantified health and cost effects of faster endovascular treatment for large vessel ischemic stroke patients in the Netherlands	J Neurointervent Surg. 2021 Dec;13(12):1099-1105. doi: 10.1136/neurintsurg-2020-017017. Epub 2021 Jan 21.	5.836	CARIM
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228	Walma M, Brada L, Patuleia S, Blomjous J, Bollen T, Bosscha K, Bruijnen R, Busch O, Creemers G, Daams F, van Dam R, Festen S, de Groot D, de Groot J, Mohammad N, Hermans J, de Hingh I, Kerver E, van Leeuwen M, van der Leij C , Liem M, van Lienden K, Los M, de Meijer V, Meijerink M, Mekenkamp L, Nederend J, Nio C, Patijn G, Polée M, Pruijt J, Renken N, Rombouts S, Schouten T, Stommel M, Verweij M, de Vos-Geelen J, de Vries J, Vulink A, Wessels F, Wilmink J, van Santvoort H, Besselink M, Molenaar I, Dutch Pancreatic Cander Group	Treatment strategies and clinical outcomes in consecutive patients with locally advanced pancreatic cancer: A multicenter prospective cohort	Eur J Surg Oncol. 2021 Mar;47(3 Pt B):699-707. doi: 10.1016/j.ejso.2020.11.137. Epub 2020 Nov 26.	3.184	CARIM
229	Weiss J , Taron J, Jin Z, Mayrhofer T, Aerts H , Lu M, Hoffmann U.	Radiologists can visually predict mortality risk based on the gestalt of chest radiographs comparable to a deep learning network	Sci Rep. 2021 Oct 1;11(1):19586. doi: 10.1038/s41598-021-99107-0.	4.380	CARIM/GROW
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			Totale IF	1.934.001	
			Gemiddelde IF	8.126	
WI 2	Auteurs	Titel	Tijdschrift		School
1	Camarasa R, Bos D, Hendrikse J, Nederkoorn P, Kooi E , van der Lugt A, de Bruijne M	A Quantitative Comparison of Epistemic Uncertainty Maps Applied to Multi-Class Segmentation	Journal of Machine Learning for Biomedical Imaging . 013, p. 1-39 39 p.; Sep 2021		CARIM
2	Cuijpers A, de Boer S, van der Leij C, Coolsen M	Case report of multiple mesenteric mycotic aneurysms after perforated appendicitis	Int. J. Surg. Case Rep. 79, p. 331-334 4 p.; 2021		CARIM
3	Heldens A, Bongers B, de Vos-Geelen J, Minis-Rutten I , Stassen L, Buhre W, Van Meeteren N	Physical Fitness and Skeletal Muscle Mass During Neoadjuvant Chemoradiotherapy in Patients with Locally Advanced Rectal Cancer: An Observational Study	Rehab. Oncol. 1 Oct 2021, 39, 4, p. E73-E82 10 p.		CARIM
4	Mancilla R, Brouwers B, Schrauwen-Hinderling V , Hesselink M, Hoeks J, Schrauwen P.	Exercise training elicits superior metabolic effects when performed in the afternoon compared to morning in metabolically compromised humans	Physiol Rep. 2021 Jan;8(24):e14669. doi: 10.14814/phy2.14669. PMID: 33356015 Free PMC article. Clinical Trial.		NUTRIM

5	Marcuse F, Rutten M, Schreurs R, Gietema H , Theunissen P, Maessen J	Symptomatic mediastinal mass in a 32-year-old male	Breathe. 17, 2, 7 p., 210029.; 1 Jun 2021		GROW
6	Morin O, Vallieres M, Braunstein S, Ginart J, Upadhaya T, Woodruff H , Zwanenburg A, Chatterjee A, Villanueva-Meyer J, Valdes G, Chen W, Hong J, Yom S, Solberg T, Lock S, Seuntjens J, Park C, Lambin P .	An artificial intelligence framework integrating longitudinal electronic health records with real-world data enables continuous pan-cancer prognostication	Nature Cancer. 2, 7, p. 709-722 22 p.; 1 Jul 2021		GROW
7	Schuermans V, Yeung E, Henneman W , Ackermans L, Heijboer R, Mostard R, Vos W, Pasmans R, Schijns O.	Neurosarcoidosis with hydrocephalus as a first presenting sign: a unique case report	Clin Case Rep. 2021 Mar 25;9(5):e03776. doi: 10.1002/ccr3.3776.		MHeNs
8	Schurgers G, Arts B, Postma A , de Kort A.	Successful electroconvulsive therapy for depression in a man with cerebral amyloid angiopathy	BMJ Case Rep. 2021 Feb 5;14(2):e238922. doi: 10.1136/bcr-2020-238922.		MHeNs
9	Wong N, Cai Y, Meszaros L, Biersack H, Cook G, Hoi Ting H, Mottaghy F .	Preclinical development and characterisation of 99m Tc-NM-01 for SPECT/CT imaging of human PD-L1	Am J Nucl Med Mol Imaging. 2021 Jun 15;11(3):154-166. eCollection 2021.		GROW
WN	Auteurs	Titel	Tijdschrift	IF 2021	School