

	Dissertaties				
1	Promovendus	Dr. R. Mancilla Fuentes			NUTRIM
	Datum	10-2-2022			
	Titel	Novel aspects of exercise training to promote human metabolic health			
	Promotores	Prof. dr. M. Hesseling			
		Dr. V. Schrauwen-Hinderling			
		Dr. J. Hoeks			
2	Promovendus	Dr. B. Martens			CARIM
	Datum	17-3-2022			
	Titel	Computed tomography of the abdomen: From one size fits all to custom-made			
	Promotores	Prof. dr. J.E. Wildberger			
	Copromotores	Dr. C. Muhl			
		Dr. E. Nijssen			
3	Promovendus	Dr. A. Ibrahim			GROW
	Datum	30-3-2022			
	Titel	Artificial Intelligence in medical image analysis: Robustness and applications			
	Promotores	Prof. dr. Ph. Lambin			
		Prof. dr. F. Mottaghy			
		Prof. dr. R. Hustinx			
	Copromotor	Dr. A. Maidment			
4	Promovendus	Dr. A. Hosney			GROW
	Datum	6-4-2022			
	Titel	Deep learning applications in lung cancer imaging			
	Promotores	Prof. dr. ir. H.J.W.L. Aerts			
	Copromotor	Dr. R.H. Mak			
5	Promovendus	Dr. ir. R.J. Holtackers	Cum Laude		CARIM
	Datum	13-5-2022			
	Titel	Visualising the invisible: Dark-blood late gadolinium enhancement MRI for improved detection of subendocardial			
	Promotores	Prof. dr. J. Wildberger			
		Prof. dr. M.E. Kooi			
	Copromotor	Prof. dr. A. Chiribiri			
		Prof. dr. C. Van de Heyning			
6	Promovendus	Dr. S.W. de Boer			CARIM
	Datum	25-5-2022			
	Titel	Peripheral arterial occlusive disease. From diagnosis to treatment outcomes			
	Promotores	Prof. dr. J.P.P.M. de Vries			
	Copromotor	Dr. J.A. Vos			
7	Promovendus	Dr. V.H.W. de Wit-Verheggen			NUTRIM
	Datum	01-06-2022			
	Titel	At the heart of the matter; Imaging cardiac metabolism in insulin resistance			
	Promotores	Prof. dr. P. Schrauwen			
		Prof. dr. V.B. Schrauwen-Hinderling			
	Co-promotor	Dr. C.H. van de Weijer			
8	Promovendus	Drs. R.W.Y. Granzier			GROW
	Datum	22-9-2022			
	Titel	MRI-based radiomics in breast cancer			
	Promotores	Prof. dr. M.L. Smidt			
	Copromotores	Dr. H.C. Woodruff			
		Dr. M.B.I. Lobbes			
WI-1	Auteurs	Titel	Tijdschrift	IF 2022	School
1	Aizaz M, van der Pol J, Wierts R, Zwart H, van der Werf A, Wildberger J, Bucerius J, Moonen R, Kooi M	Evaluation of a dedicated radiofrequency carotid PET/MRI coil	J Clin Med. 2022 May 4;11(9):2569. doi: 10.3390/jcm11092569.	4.964	CARIM

2	Alkhasli I, Mottaghy F , Binkofski F, Sakreida K	Preconditioning prefrontal connectivity using transcranial direct current stimulation and transcranial magnetic stimulation	Front Hum Neurosci. 2022 Aug 11;16:929917. doi: 10.3389/fnhum.2022.929917. eCollection 2022.	3.473	MHeNs
3	Altunay B, Morgenroth A, Mottaghy F	Use of radionuclide-based imaging methods in breast cancer	Semin Nucl Med. 2022 Sep;52(5):561-573. doi: 10.1053/j.semnuclmed.2022.04.003. Epub 2022 May 24.	4.802	GROW
4	Amini M, van Leeuwen N, Eijkenaer F, van de Graaf R, Samuels N, van Oostenbrugge R, van den Wijngaard I, Van Doormaal P, Roos Y, Majoie C, Roozenbeek B, Dippel D, Burke J, Lingsma H, MR CLEAN Registry Investigators	Estimation of treatment effects in observational stroke care data: comparison of statistical approaches	BMC Med Res Methodol. 2022 Apr 10;22(1):103.doi: 10.1186/s12874-022-01590-0.	4.622	CARIM
5	Andriessen C, Fealy C, Veelen A, van Beek S, Roumans K, Connell N, Mevenkamp J , Moonen-Kornips E, Havekes B, Schrauwen-Hinderling V , Hoeks J, Schrauwen P	Three weeks of time-restricted eating improves glucose homeostasis in adults with type 2 diabetes but does not improve insulin sensitivity: a randomised crossover trial	Diabetologia. 2022 Oct;65(10):1710-1720. doi: 10.1007/s00125-022-05752-z. Epub 2022 Jul 25.	10.460	NUTRIM
6	Ari A, Akkurt B, Musigmann M, Mammadov O, Blömer D, Kasap D, Henssen D, Nacul N, Sartoretti E, Sartoretti T , Backhaus P, Thomas C, Stummer W, Heindel W, Mannil M	Pseudoprogression prediction in high grade primary CNS tumors by use of radiomics	Sci Rep. 2022 Apr 8;12(1):5915. doi: 10.1038/s41598-022-09945-9.	4.996	CARIM
7	Arnoldussen C , Notten P, Brans R , Vroegindewij D, Tick L, van de Poel M, Wikkeling O, Vleming L, Koster A, Jie K, Jacobs E, Planken N, Wittens C, Ten Cate H, Wildberger J , Ten Cate-Hoek A	Clinical impact of assessing thrombus age using magnetic resonance venography prior to catheter-directed thrombolysis	Eur Radiol. 2022 Jul;32(7):4555-4564. doi: 10.1007/s00330-022-08599-5. Epub 2022 Mar 28.	7.034	CARIM
8	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 Med Genet A. 2022 Mar;188(3):1000-1004. doi: 10.1002/ajmg.a.62600. Epub 2021 Dec 11.	2.578	GROW
9	Bels J, van Gassel R, Timmerman L, Hemmen B, van de Poll M, Peters N , Spruit M, van Santen S, Gietema H , Posthuma R	One-year outcomes of mechanically ventilated COVID-19 ICU survivors: A prospective cohort study	Am J Respir Crit Care Med. 2022 Sep 15;206(6):777-780. doi: 10.1164/rccm.202112-2789LE.	30.528	GROW
10	Benali F , Stolze L, Rozeman A, Dinkelaar W, Coutinho J, Emmer B, Gons R, Yo L, van Tuijl J, Boukrab I, van Dam-Nolen D, van den Wijngaard I, Lycklama A Nijeholt G, de Laat K, van Dijk L, den Hertog H, Zwenneke Flach H, Wermer M, van Walderveen M, Brouwers P, Bulut T, Vermeer S, Bernsen M, Uyttenboogaart M, Bokkers R, Boogaarts J, de Leeuw F, van der Worp H, van der Schaaf I, Schonewille W, Vos J, Remmers M, Imani F, Dippel D, van Zwam W , Nederkoorn P, van Oostenbrugge R	Impact of the lockdown on acute stroke treatments during the first surge of the COVID-19 outbreak in the Netherlands	BMC Neurol. 2022 Jan 11;22(1):22. doi: 10.1186/s12883-021-02539-4.	2.903	CARIM
11	Van Bergen C, de Witte P, Willeboordse F, de Geest B, Foreman van Drongelen M, Burger B, den Hartog Y, van Linge J, Pereboom R, Robben S , Witlox M, Witbreuk M	Treatment of centered developmental dysplasia of the hip under the age of 1 year: an evidence-based clinical practice guideline - Part 1	EFORT Open Rev. 2022 Jul 5;7(7):498-505. doi: 10.1530/EOR-21-0125.	4.775	GROW

12	Van den Berg L, Berkhemer O, Fransen P, Beumer D, Lingsma H, Majoie C, Dippel D, van der Lugt A, van Oostenbrugge R, van Zwam W , Roos Y, Dijkgraaf M, MR CLEAN Investigators	Economic evaluation of endovascular treatment for acute ischemic stroke	Stroke. 2022 Mar;53(3):968-975. doi: 10.1161/STROKEAHA.121.034599. Epub 2021 Oct 14.	10.170	CARIM
13	Bernsen M, Bruggeman A, Brouwer J, Emmer B, Majoie C, Coutinho J, Goldhoorn R, van Oostenbrugge R, van Zwam W, van der Leij C , Schonewile W, Martens J, Hofmeijer J, MR CLEAN Registry Investigators	Aspiration versus stent retriever thrombectomy for posterior circulation stroke	Stroke. 2022 Mar;53(3):749-757. doi: 10.1161/STROKEAHA.121.034926. Epub 2021 Oct 20.	10.170	CARIM
14	Bijvoet G, Nies H, Holtackers R , Linz D, Adriaans B , Nijveldt R, Wildberger J , Vernooy K, Chaldoupi S, Mihl C	Correlation between cardiac MRI and voltage mapping in evaluating atrial fibrosis: A systematic review	Radiol Cardiothorac Imaging. 2022 Oct 13;4(5):e220061. doi: 10.1148/ryct.220061. eCollection 2022 Oct.	7.615	CARIM
15	Bogveradze N, Lambregts D, El Khababi N, Dresen R, Maas M, Kusters M, Tanis P, Beets-Tan R, MRI rectal study group (Bakers F)	The sigmoid take-off as a landmark to distinguish rectal from sigmoid tumours on MRI: Reproducibility, pitfalls and potential impact on treatment stratification	Eur J Surg Oncol. 2022 Jan;48(1):237-244. doi: 10.1016/j.ejso.2021.09.009. Epub 2021 Sep 20.	4.037	GROW
16	Borgstein A, Scheijmans J, Puylaert C, Keywani K, Lobatto M, Orsini R, van Rees Veilinga T, van Rossen J, Scheerder M, Voermans R, Han A, Russel C, Prins J, Gietema H , Boormeester M, Gisbertz S, Besselink M, SCOUT study group	Yield of adding chest CT to abdominal CT to detect COVID-19 in patients presenting with acute gastrointestinal symptoms (SCOUT-3): Multicenter Study	Ann Surg. 2022 Dec 1;276(6):e758-e763. doi: 10.1097/SLA.0000000000004678. Epub 2020 Dec 18.	13.787	GROW
17	Bos D, Yu S, Luong J, Chu P, Wang Y, Einstein A, Starkey J, Delman B, Duong P, Das M, Schindera S, Goode A, MacLeod F, Wetter A, Neill R, Lee R, Roehm J, Seibert J, Cervantes L, Kasraie N, Pike P, Pahwa A, Jeukens C , Smith-Bindman R	Diagnostic reference levels and median doses for common clinical indications of CT: findings from an international registry	Eur Radiol. 2022 Mar;32(3):1971-1982. doi: 10.1007/s00330-021-08266-1. Epub 2021 Oct 13.	7.034	CARIM
18	Bos K, Aries M, van der Leij C , Heuts S	Congested: A clinical presentation of the Inferior Caval Vein Syndrome	Am J Respir Crit Care Med. 2022 Sep 1;206(5):625-627. doi: 10.1164/rccm.202201-0118IM.	30.528	CARIM
19	Bos P, van den Brekel M, Taghavi M, Gouw Z, Al-Mamgani A, Waktola S, Aerts H , Beets-Tan R, Castelijns J, Jasperse B	Simple delineations cannot substitute full 3d tumor delineations for MR-based radiomics prediction of locoregional control in oropharyngeal cancer	Eur J Radiol. 2022 Mar;148:110167. doi: 10.1016/j.ejrad.2022.110167. Epub 2022 Jan 19.	4.531	GROW
20	Bos P, van den Brekel M, Taghavi M, Gouw Z, Al-Mamgani A, Waktola S, Aerts H , Beets-Tan R, Castelijns J, Jasperse B	Largest diameter delineations can substitute 3D tumor volume delineations for radiomics prediction of human papillomavirus status on MRI's of oropharyngeal cancer	Phys Med. 2022 Sep;101:36-43. doi: 10.1016/j.ejmp.2022.07.004. Epub 2022 Jul 23.	3.119	GROW
21	Brandt Y, Ghossein-Doha C, Gerretsen S, Spaanderman M, Kooi M	Noninvasive cardiac imaging in formerly preeclamptic women for early detection of subclinical myocardial abnormalities: A 2022 update	Biomolecules. 2022 Mar 7;12(3):415. doi: 10.3390/biom12030415.	6.064	CARIM

22	Brouwer J, Smaal J, Emmer B, de Ridder I, van den Wijngaard I, de Leeuw F, Hofmeijer J, van Zwam W, Martens J, Roos Y, Majoie C, van Oostenbrugge R, Coutinho J; MR CLEAN Registry Investigators†	Endovascular thrombectomy in young patients with stroke: a MR CLEAN Registry Study	Stroke. 2022 Jan;53(1):34-42. doi: 10.1161/STROKEAHA.120.034033. Epub 2021 Dec 7	10.170	CARIM
23	Brouwers M, Simons N, Kooi M , de Ritter R, van Dongen M, Eussen S, Bekers O, Kooman J, van Greevenbroek M, van der Kallen C, Schram M, Schaper N, Schalkwijk C, Stehouwer C	Intrahepatic lipid content is independently associated with soluble E-selectin levels: The Maastricht study	Dig Liver Dis. 2022 Aug;54(8):1038-1043. doi: 10.1016/j.dld.2022.01.130. Epub 2022 Feb 5.	5.165	CARIM
24	Bruggeman A, Abersson N, Kappelhof M, Dutra B, Hoving J, Brouwer J, Tolhuisen M, Arrarte Terreros N, Konduri P, Boodt N, Roos Y, van Zwam W , Bokkers R, Martens J, Marquering H, Emmer B, Majoie C, MR CLEAN Registry investigators	Association of thrombus density and endovascular treatment outcomes in patients with acute ischemic stroke due to M1 occlusions	Neuroradiology. 2022 Sep;64(9):1857-1867. doi: 10.1007/s00234-022-02971-4. Epub 2022 May 16.	2.995	CARIM
25	Buziau A, Eussen S, Kooi M , van der Kallen C, van Dongen M, Schaper N, Henry R, Schram M, Dagnelie P, van Greevenbroek M, Wesseliuss A, Bekers O, Meex S, Schalkwijk C, Stehouwer C, Brouwers M	Fructose intake from fruit juice and sugar-sweetened beverages is associated with higher intrahepatic lipid content: The Maastricht Study	Diabetes Care. 2022 May 1;45(5):1116-1123. doi: 10.2337/dc21-2123.	17.152	CARIM
26	Callebaut A, Bruggeman Y, Zamit C, Sodré F, Irla M, Mathieu C, Buitinga M , Overbergh L	Aberrant expression of transglutaminase 2 in pancreas and thymus of NOD mice underscores the importance of deamidation in neoantigen generation	Front Endocrinol (Lausanne). 2022 Jul 26;13:1-12. doi: 10.3389/fendo.2022.908248. eCollection 2022.	6.055	NUTRIM
27	Canjels L , Ghossein-Doha C, Alers R, Rutten S, van den Kerkhof M , Schiffer V, Mulder E, Gerretsen S , Aldenkamp A, Hurks P, van de Ven V, Spaanderman M, Jansen J , Backes W	Functional connectivity of limbic system and prefrontal cortex years after pre-eclampsia: 7-Tesla functional magnetic resonance imaging study	Ultrasound Obstet Gynecol. 2022 Oct;60(4):532-540. doi: 10.1002/uog.24928. Epub 2022 Sep 12.	8.678	MHeNs/CARIM
28	Canjels L , Jansen J , Alers R, Ghossein-Doha C, van den Kerkhof M , Schiffer V, Mulder E, Gerretsen S , Aldenkamp A, Hurks P, van de Ven V, Spaanderman M, Backes W	Blood-brain barrier leakage years after pre-eclampsia: dynamic contrast-enhanced 7-Tesla MRI study	Ultrasound Obstet Gynecol. 2022 Oct;60(4):541-548. doi: 10.1002/uog.24930. Epub 2022 Sep 12.	8.678	MHeNs/CARIM
29	Cheng S, van Velzen T, Gregson J, Richards T, Jäger H, Simister R, Kooi M , de Borst G, Pizzini F, Nederkoorn P, Brown M, Bonati L	The 2nd European Carotid Surgery Trial (ECST-2): rationale and protocol for a randomised clinical trial comparing immediate revascularisation versus optimised medical therapy alone in patients with symptomatic and asymptomatic carotid stenosis at low to intermediate risk of stroke	Trials. 2022 Jul 27;23(1):606. doi: 10.1186/s13063-022-06429-z.	2.728	CARIM

30	Compagne K, Kappelhof M, Hinsenveld W, Brouwer J, Goldhoorn R, Uyttenboogaart M, Bokkers R, Schonewille W,, Postma A , van den Berg R, Yoo A, van Doormaal P, van Proosdij M, Krietemeijer M, Gerrits D, Hammer S, Vos J, Boiten J, Coutinho J, Emmer B, van Es A, Roozenbeek B, Roos Y, van Zwam W , van Oostenbrugge R, Majoie C, Dippel D, van der Lugt A, MR CLEAN Registry Investigators	Improvements in endovascular treatment for acute ischemic stroke: A longitudinal study in the MR CLEAN Registry	Stroke. 2022 Jun;53(6):1863-1872. doi: 10.1161/STROKEAHA.121.034919. Epub 2022 Feb 9.	10.170	CARIM
31	Conen P, Penneta F, Dendl K, Hertel F, Vogg A, Haberkorn U, Giesel F, Mottaghy F	⁶⁸Ga]Ga-FAPI uptake correlates with the state of chronic kidney disease	Eur J Nucl Med Mol Imaging.2022 Aug;49(10):3365-3372. doi: 10.1007/s00259-021-05660-1. Epub 2022 Jan 6.	10.057	NUTRIM
32	Craveiro R, Florea A , Niederau C, Brenji S, Kiessling F, Sahnoun S, Morgenroth A, Mottaghy F , Wolf M	⁶⁸Ga]Ga-pentixafor and sodium [¹⁸F]Fluoride PET can non-invasively identify and monitor the dynamics of orthodontic tooth movement in mouse model	Cells. 2022 Sep 21;11(19):2949. doi: 10.3390/cells11192949.	7.666	GROW/CARIM
33	Crombag G , Aizaz M , Schreuder F, Benali F , van Dam-Nolen D, Liem M, Lucci C, van der Steen A, Daemen M, Mess W, van der Lugt A, Nederkoorn P, Hendrikse J, Hofman P , van Oosterbrugge R, Wildberger J , Kooi M	Proximal region of carotid atherosclerotic plaque shows more intraplaque hemorrhage: The Plaque at Risk Study	AJNR Am J Neuroradiol. 2022 Feb;43(2):265-271. doi: 10.3174/ajnr.A7384.	4.966	CARIM
34	Van Dam-Nolen D, van Egmond N, Dilba K, Nies K , van der Kolk A, Liem M, Kooi M , Hendrikse J, Nederkoorn P, Koustaal P, Lugt van der A, Bos D	Sex differences in plaque composition and morphology among symptomatic patients with mild-to-moderate carotid artery stenosis	Stroke. 2022 Feb;53(2):370-378. doi: 10.1161/STROKEAHA.121.036564. Epub 2022 Jan 5.	10.170	CARIM
35	Van Dam-Nolen D, Truijman M , van der Kolk A, Liem M, Schreuder F, Boersma E, Daemen M, Mess w, van Oostenbrugge R, van der Steen A, Bos D, Koudstaal P, Nederkoorn P, Hendrikse J, Lugt van der A, Kooi M , PARISK Study Group	Carotid plaque characteristics predict recurrent ischemic stroke and TIA: The PARISK (Plaque At RISK) Study	JACC Cardiovasc Imaging. 2022 Oct;15(10):1715-1726. doi: 10.1016/j.jcmg.2022.04.003. Epub 2022 Jun 15.	16.051	CARIM
36	Desai P, Rimal R, Sahnoun S, Mottaghy F , Möller M, Morgenroth A, Singh S	Radiolabeled nanocarriers as theranostics-advancement from peptides to nanocarriers	Small. 2022 Jun;18(25):e2200673. doi: 10.1002/sml.202200673. Epub 2022 May 8.	15.153	GROW
37	Van Dinther M, Schram M, Jansen J , Backes W , Houben A, Berendschot T, Schalkwijk C, Stehouwer C, van Oostenbrugge R, Staals J	Extracerebral microvascular dysfunction is related to brain MRI markers of cerebral small vessel disease: The Maastricht Study	Geroscience. 2022 Feb;44(1):147-157. doi: 10.1007/s11357-021-00493-0. Epub 2021 Nov 23.	7.595	MHeNs/CARIM
38	Van Dinther M, Voorter P , Jansen J , Jones E, van Oostenbrugge R, Staals, J , Backes W	Assessment of microvascular rarefaction in human brain disorders using physiological Magnetic Resonance Imaging	J Cereb Blood Flow Metab. 2022 May;42(5):718-737. doi: 10.1177/0271678X221076557. Epub 2022 Jan 26.	6.960	MHeNs/CARIM
39	Van Dinther M, Voorter P , Schram M, Berendschott T, Houben A, Webers C, van Oostenbrugge R, Backes W , Staals, J , Jansen J	Retinal microvascular function is associated with the cerebral microcirculation as determined by intravoxel incoherent motion MRI	J Neurol Sci. 2022 Sep 15;440:120359. doi: 10.1016/j.jns.2022.120359. Epub 2022 Jul 28.	4.553	CARIM/MHeNs

40	Dorst D, Rijpkema M, Buitinga M , Walgreen B, Helsen M, Brennan E, Klein C, Laverman P, Ramming A, Schmidkonz C, Kuwert T, Schett G, van der Kraan P, Gotthardt M, Koenders M	Targeting of fibroblast activation protein in rheumatoid arthritis patients: imaging and ex vivo photodynamic therapy	Rheumatology (Oxford). 2022 Jul 6;61(7):2999-3009. doi: 10.1093/rheumatology/keab664.	7.046	NUTRIM
41	Drenthen G , Jansen J	Editorial for "Deep Learning-enabled identification of autoimmune encephalitis on 3D Multi-sequence MRI"	J Magn Reson Imaging. 2022 Apr;55(4):1093-1094. doi: 10.1002/jmri.27951. Epub 2021 Oct 20.	5.119	MHeNs
42	Drenthen G , Backes W , Freeze W, Jacobs H, Verheggen I , van Boxtl M, Hoff E, Verhey F, Jansen J	Rich-club connectivity of the structural covariance network relates to memory processes in mild cognitive impairment and Alzheimer's disease	J Alzheimers Dis. 2022;89(1):209-217. doi: 10.3233/JAD-220175.	4.160	MHeNs
43	Van der Ende N, Roozenbeek B, Berkhemer O, Koudstaal P, Boiten J, van Dijk E, Roos Y, van Oostenbrugge R, Majoie C, van Zwam W , Lingsma H, van der Lugt A, Dippel D, MR CLEAN Investigators	Added value of a blinded outcome adjudication committee in an open-label randomized stroke trial	Stroke. 2022 Jan;53(1):61-69. doi: 10.1161/STROKEAHA.121.035301. Epub 2021 Oct 5.	10.170	CARIM
44	Gavriilidis P , Koole M, Annunziata S, Mottaghy F , Wierds R	Positron range corrections and denoising techniques for Gallium-68 PET Imaging: A literature review	Diagnostics (Basel). 2022 Sep 27;12(10):2335. doi: 10.3390/diagnostics12102335.	3.992	GROW
45	Geitenbeek R, Martin E, Graven L, Broen M, Anten M, van der Pol J , Verhoef C, Taal W	Diagnostic value of ¹⁸F-FDG PET-CT in detecting malignant peripheral nerve sheath tumors among adult and pediatric neurofibromatosis type 1 patients	J Neurooncol. 2022 Feb;156(3):559-567. doi: 10.1007/s11060-021-03936-y. Epub 2022 Jan 13.	4.506	GROW
46	Geraets A, Schram M, Jansen J , Backes W , Schalkwijk C, Stehouwer C, van Boxtel M, Eussen S, Kooman J, Verhey F, Köhler S	The cardiometabolic depression subtype and its association with clinical characteristics: The Maastricht Study	J Affect Disord. 2022 Sep 15;313:110-117. doi: 10.1016/j.jad.2022.06.045. Epub 2022 Jun 30.	6.533	MHeNs
47	Gombert A, Heinzl A, Barbatl M, Doukas P, Schmitt L, Shekarchian S, Winz O, Mottaghy F , Houman J	Assessment of the lymphatic system by indirect lymphography in patients with post-thrombotic syndrome	J Vasc Surg Venous Lymphat Disord. 2022 Sep;10(5):1072-1078.e1. doi: 10.1016/j.jvsv.2022.03.014. Epub 2022 May 11.	4.190	GROW
48	Van de Graaf, Samuels N, Chalos V, Lycklama A Nijeholt G, van Beusekom H, Yoo A, van Zwam W , Majoie C, Roos Y, van Doormaal P, Ben Hassen W, van der Lugt A, Dippel D, Lingsma H, van Es A, Roozenbeek B, MR CLEAN Registry investigators	Predictors of poor outcome despite successful endovascular treatment for ischemic stroke: results from the MR CLEAN Registry	J Neurointerv Surg. 2022 Jul;14(7):660-665. doi: 10.1136/neurintsurg-2021-017726. Epub 2021 Jul 15.	8.581	CARIM
49	Granzier R, Ibrahim A , Primakov S, Keek S, Halilaj I, Zwanenburg A, Engelen S, Lobbes M , Lambin P , Woodruff H , Smidt M	Test-retest data for the assessment of breast MRI radiomic feature repeatability	J Magn Reson Imaging. 2022 Aug;56(2):592-604. doi: 10.1002/jmri.28027. Epub 2021 Dec 22.	5.119	GROW
50	Guiot J, Vaidyanathan A, Deprez L, Zerka F, Danthine D, Frix A, Lambin P , Bottari F, Tsoutzidis N, Miraglio B, Walsh S, Vos W, Hustinx R, Ferreira M, Lovinfosse P, Leijenaar R.	A review in radiomics: making personalized medicine a reality via routine imaging	Med Res Rev. 2022 Jan;42(1):426-440. doi: 10.1002/med.21846. Epub 2021 Jul 26.	12.388	GROW
51	Haest I , Hofman P , Herbergs J, Nelen H, Jellicic M	The application of CT for 3D visualization of concealed bodies	Sci Justice. 2022 Jul;62(4):424-432. doi: 10.1016/j.scijus.2022.05.002. Epub 2022 May 7.	1.993	CAPHRI

52	Hagens L, Van der Ven F, Heijnen N, Smit M, Gietema H, Gerretsen S , Schultz M, Bergmans D, Schnabel R, Bos L	Improvement of an interobserver agreement of ARDS diagnosis by adding additional imaging and a confidence scale	Front Med (Lausanne). 2022 Aug 31;9:950827. doi: 10.3389/fmed.2022.950827. eCollection 2022.	5.058	GROW
53	Den Hartog S, Lingsma H, van Doormaal P, Hofmeijer J, Yo L, Majoie C, Dippel D, van der Lugt A, Roozenbeek B; MR CLEAN Registry investigators *	Hospital variation in time to endovascular treatment for ischemic stroke: what is the optimal target for improvement?	J Am Heart Assoc. 2022 Jan 4;11(1):e022192. doi: 10.1161/JAHA.121.022192. Epub 2021 Dec 20.	6.106	CARIM
54	Den Hartog S, Roozenbeek B, Boodt N, Bruggeman A, van Es A, Emmer B, Majoie C, van den Wijngaard I, van Doormaal P, van Zwam W , Lingsma H, Dippel D, MR CLEAN Registry investigators	Effect of first pass reperfusion on outcome in patients with posterior circulation ischemic stroke	J Neurointerv Surg. 2022 Apr;14(4):333-340. doi: 10.1136/neurintsurg-2021-017507. Epub 2021 May 4.	8.581	CARIM
55	He L, Li Z, Yan L, Chen X, Sandueanu S, Zhong W, Lambin P , Ye Z, Sun Y, Liu Y, Qu J, Wu L, Tu C, Scrivener M, Pieters T, Coche E, Yang Q, Yang M, Liang C, Huang Y, Liu Z	Development and validation of a computed tomography-based immune ecosystem diversity index as an imaging biomarker in non-small cell lung cancer	Eur Radiol. 2022 2022 Dec;32(12):8726-8736. doi: 10.1007/s00330-022-08873-6. Epub 2022 May 31.	7.034	GROW
56	Hecker J , Freijer K, Hilgsmann M, Evers S	Burden of disease study of overweight and obesity; the societal impact in terms of cost-of-illness and health-related quality of life	BMC Public Health. 2022 Jan 7;22(1):46. doi: 10.1186/s12889-021-12449-2.	4.135	CAPHRI
57	Heggen, B, Ramspek C, van der Bogt K, de Haan M , Hemmelder M, Hilgsmann M, van Loon M, Romans J, Tordoir J, Dekker F, Schurink G, Snoeijs M, OASIS St	Optimising access surgery in senior haemodialysis patients (OASIS): study protocol for a multicentre randomised controlled trial	BMJ Open. 2022 Feb 3;12(2):e053108. doi: 10.1136/bmjopen-2021-053108.	3.007	CARIM
58	Heinzel A, Dedic D, Galldiks N, Lohmann P, Filss C, Kocher M, Migliorini F, Dillen K, Geisler S, Stegmayr C, Willuweit A, Sabel M, Rapp M, Eble M, Piroth M, Clusmann H, Delev D, Bauer E, Ceccon G, Dunkl V, Rosen J, Tscherpel C, Werner J, Ruge M, Goldbrunner R, Hampl J, Lucas C, Herrlinger U, Maurer G, Steinbach J, Mauler J, Worthoff W, Neumaier B, Lerche C, Fink G, Shah N, Mottaghy F , Langen K	Two decades of brain tumour imaging with O-(2-[¹⁸F]fluoroethyl)-L-tyrosine PET: The Forschungszentrum Jülich Experience	Cancers (Basel). 2022 Jul 8;14(14):3336. doi: 10.3390/cancers14143336.	6.575	GROW
59	Heuts S, Schalla S, Ramaekers M , Bidar E, Mihl C, Wildberger J, Adriaans B	Imaging surveillance for complications after primary surgery for type A aortic dissection	Heart. 2022 Dec 22;109(2):96-101. doi: 10.1136/heartjnl-2022-320881.	7.398	CARIM
60	Heuts S, Adriaans B , Kawczynski M, Daemen J, Natour E, Lorusso R, Schalla S , Maessen J, Wildberger J , Jacobs M, Rylski B, Bidar E	Editor's Choice - Extending aortic replacement beyond the proximal arch in acute type A aortic dissection: A meta-analysis of short term outcomes and long term actuarial survival	Eur J Vasc Endovasc Surg. 2022 May;63(5):674-687. doi: 10.1016/j.ejvs.2021.12.045. Epub 2022 Apr 2.	6.427	CARIM
61	Van De Heyning C, Holtackers R , Nazir M, Grapsa J, Demetrescu C, Pype L, Chiribiri A	Dark-blood late gadolinium enhancement CMR improves detection of papillary muscle fibrosis in patients with mitral valve prolapse	Eur J Radiol. 2022 Feb;147:110118. doi: 10.1016/j.ejrad.2021.110118. Epub 2021 Dec 25.	4.531	CARIM

62	Hoebers F, Yu E, O'Sullivan B, Postma A, Palm W, Bartlett E, Lee J, Stock S, Koyfman S, Su J, Xu W, Huang S	Augmenting inter-rater concordance of radiologic extranodal extension in HPV-positive oropharyngeal carcinoma: A multicenter study	Head Neck. 2022 Nov;44(11):2361-2369. doi: 10.1002/hed.27130. Epub 2022 Jun 29.	3.821	MHeNs
63	Holtackers R, Gommers S, Heckman L, Van de Heyning C, Chiribiri A, Prinzen F.	Histopathological validation of dark-blood late gadolinium enhancement MRI without additional magnetization preparation	J Magn Reson Imaging. 2022 Jan;55(1):190-197. doi: 10.1002/jmri.27805. Epub 2021 Jun 24.	5.119	CARIM
64	Holtackers R, Tilman E, Botnar R, Kooi M, Wildberger J, Kreitner K	Late gadolinium enhancement cardiac Magnetic Resonance Imaging: From basic concepts to emerging methods	Rofo. 2022 May;194(5):491-504. doi: 10.1055/a-1718-4355. Epub 2022 Feb 23.	2.295	CARIM
65	Hosny A, Bitterman D, Guthrie C, Qian J, Roberts H, Perni S, Saraf A, Peng L, Pashtan I, Ye Z, Kann B, Kozono D, Christiani D, Catalano P, Aerts H, Mak R	Clinical validation of deep learning algorithms for radiotherapy targeting of non-small-cell lung cancer: an observational study	Lancet Digit Health. 2022 Sep;4(9):e657-e666. doi: 10.1016/S2589-7500(22)00129-7.	36.615	GROW
66	Ibrahim A, Barufaldi B, Refaee T, Silva Filho T, Acciavatti R, Salahuddin Z, Hustinx R, Mottaghy F, Maidment A, Lambin P	MaasPenn radiomics reproducibility score: A novel quantitative measure for evaluating the reproducibility of CT-based handcrafted radiomic features	Cancers (Basel). 2022 Mar 22;14(7):1599. doi: 10.3390/cancers14071599.	6.575	GROW
67	Jansen J, Drenthen G	Editorial for "MRI-based back propagation neural network model as a powerful tool for predicting the response to induction chemotherapy in locoregionally advanced nasopharyngeal carcinoma"	J Magn Reson Imaging. 2022 Aug;56(2):560-561. doi: 10.1002/jmri.28049. Epub 2021 Dec 28.	5.119	MHeNs
68	Janssen E, Ter Telgte A, Verbugt E, de Jong J, Marques J, Kessels R, Backes W, Maas M, Meijer F, Deinum J, Riksen N, Tuladhar A, de Leeuw F	The Hyperintense study: Assessing the effects of induced blood pressure increase and decrease on MRI markers of cerebral small vessel disease: Study rationale and protocol	Eur Stroke J. 2022 Sep;7(3):331-338. doi: 10.1177/23969873221100331. Epub 2022 May 12.	5.894	MHeNs
69	Juffermans J, van Assen H, te Kiefte B, Ramaekers M, van der Palen R, van den Boogaard P, Adriaans B, Wildberger J, Dekkers I, Scholte A, Schalla S, Lamb H, Westenberg J	4D Flow MRI in ascending aortic aneurysms: Reproducibility of hemodynamic parameters	Applied Sciences; 12-8, 10.3390/app12083912	2.838	CARIM
70	Katsanos K, Spiliopoulos S, Teichgräber U, Kitrou P, Des Giudice C, Björkman P, Bisdas T, de Boer S, Krokidis M, Karnabatidis D	Editor's Choice - Risk of major amputation following application of paclitaxel coated balloons in the lower limb arteries: A systematic review and meta-analysis of randomised controlled trials	Eur J Vasc Endovasc Surg. 2022 Jan;63(1):60-71. doi: 10.1016/j.ejvs.2021.05.027. Epub 2021 Jul 27.	6.427	CARIM
71	Katsanos K, Spiliopoulos S, Teichgräber U, Kitrou P, Des Giudice C, Björkman P, Bisdas T, de Boer S, Krokidis M, Karnabatidis D	Response to Re - Risk of major amputation following application of paclitaxel coated balloons in the lower limb arteries: A systematic review and meta-analysis of randomised controlled trials	Eur J Vasc Endovasc Surg. 2022 Feb;63(2):354-355. doi: 10.1016/j.ejvs.2021.09.038. Epub 2022 Jan 11.	6.427	CARIM
72	Keek S, Beauque M Primakov S, Woodruff H, Chatterjee A, van Timmeren J, Vallières M, Hendriks L, Kraft J, Andratschke N, Braunstein S, Morin O, Lambin P	Predicting adverse radiation effects in brain tumors after stereotactic radiotherapy with deep learning and handcrafted radiomics	Front Oncol. 2022 Jul 13;12:920393. doi: 10.3389/fonc.2022.920393. eCollection 2022.	5.738	GROW

73	Keek S, Kayan E, Chatterjee A, Belderbos J, Bootsma G, van den Borne B, Dingemans A, Gietema H , Groen H, Herder J, Pitz C, Praag J, De Ruyscher D, Schoenmaekers J, Smit H, Stigt J, Westenend M, Zeng H, Woodruff H, Lambin P , Hendriks L	Investigation of the added value of CT-based radiomics in predicting the development of brain metastases in patients with radically treated stage III NSCLC	Ther Adv Med Oncol. 2022 Aug 22;14:17588359221116605. doi: 10.1177/17588359221116605. eCollection 2022.	5.485	GROW
74	Van den Kerkhof M, Jansen J , van Oostenbrugge R, Backes W	1D versus 3D blood flow velocity and pulsatility measurements of lenticulostriate arteries at 7T MRI	Magn Reson Imaging. 2023 Feb;96:144-150. doi: 10.1016/j.mri.2022.12.005. Epub 2022 Dec 5.	3.130	MHeNs
75	Kersten C, Zandbergen A, Berkhemer O, Borst J, Haalboom M, Roos Y, Dippel D, van Oostenbrugge R, van der Lugt A, van Zwam W , Majoie C, den Hertog H, MR CLEAN investigators	Association of hyperglycemia and computed tomographic perfusion deficits in patients who underwent endovascular treatment for acute ischemic stroke caused by a proximal intracranial occlusion: A subgroup analysis of a randomized phase 3 trial (MR CLEAN)	J Neurol Sci. 2022 Sep 15;440:120333. doi: 10.1016/j.jns.2022.120333. Epub 2022 Jun 30.	4.553	CARIM
76	Koene E, Schrauwen-Hinderling V , Schrauwen P, Brouwers M	Novel insights in intestinal and hepatic fructose metabolism: from mice to men	Curr Opin Clin Nutr Metab Care. 2022 Sep 1;25(5):354-359. doi: 10.1097/MCO.0000000000000853. Epub 2022 Jul 16.	3.620	NUTRIM
77	Kolskär K, Ulrichsen K, Richard G, Dørum E, de Schotten M, Rokicki J, Monereo-Sánchez J , Engvig A, Hansen H, Nordvik J, Westlye L, Alnaes D	Structural disconnectome mapping of cognitive function in poststroke patients	Brain Behav. 2022 Aug;12(8):e2707. doi: 10.1002/brb3.2707. Epub 2022 Jul 21.	3.405	MHeNs
78	Konduri P, Bucker A, Boers A, Dutra B, Samuels N, 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 (Multicenter Randomized Clinical Trial of Endovascular Treatment for Acute Ischemic Stroke in the Netherlands)	Risk factors of late lesion growth after acute ischemic stroke treatment	Front Neurol. 2022 Oct 5;13:977608. doi: 10.3389/fneur.2022.977608. eCollection 2022.	4.086	CARIM
79	Koopman M, Hoving J, Kappelhof M, Berkhemer O, Beenen L, van Zwam W , de Jong H, Dankbaar J, Dippel D, Coutinho J, Marquering H, Emmer B, Majoie C, MR CLEAN Registry Investigators	Association of ischemic core imaging biomarkers with post-thrombectomy clinical outcomes in the MR CLEAN Registry	Front Neurol. 2022 Jan 10;12:771367. doi: 10.3389/fneur.2021.771367. eCollection 2021.	4.086	CARIM
80	Koopman M, Hoving J, van Voorst H, Daems J, Peerlings D, Buskens E, Lingsma H, Marquering H, de Jong H, Berkhemer O, van Zwam W , van Walderveen M, van den Wijngaard I, van der Lugt A, Dippel D, Yoo A, Campbell B, Kunz W, Majoie C, Emmer B, CLEOPATRA Investigators	Cost-effectiveness of CT perfusion for patients with acute ischemic stroke (CLEOPATRA)-Study protocol for a healthcare evaluation study	Eur Stroke J. 2022 Jun;7(2):188-197. doi: 10.1177/23969873221092535. Epub 2022 Apr 21.	5.894	CARIM

81	Korenblak R, Olij B, Aldrighetti L, Hilal M, Ahle M, Arslan B, van Baardewijk L, Baclija I, Bent C, Bertrand C, Björnsson B, de Boer M, de Boer S , Bokkers R, Borel Rinkes I, Breitenstein S, Bruijnen R, Bruners P, Büchler M, Camacho J, Cappelli A, Carling U, Chan B, Chang D, Choi J, Codina Font J, Crawford M, Croagh D, Cugat E, Davis R, De Boo D, De Cobelli F, De Wispelaere J, van Delden O, Delle M, Detry O, Diaz-Nieto R, Dili A, Erdmann J, Fisher O, Fondevila C, Fretland A, Garcia Borobia F, Gelabert A, Gérard L, Giuliante F, Gobordhan P, Gómez F, Grünberger T, Grünhagen D, Guitart J, Hagendoorn J, Heil J, Heise D, Herrero E, Hess G, Hoffmann M, Iezzi R, Imani F, Nguyen J, Jovine E, Kalff J, Kazemier G, Kingham T, Kleef J, Kollmar O, Leclercq W, Lopez Ben S, Lucidi V,, van der Leij C , Schadde E, van Dam R	Dragon 1 Protocol manuscript: Training, accreditation, implementation and safety evaluation of portal and hepatic vein embolization (PVE/HVE) to accelerate future liver remnant (FLR) hypertrophy	Cardiovasc Intervent Radiol. 2022 Sep;45(9):1391-1398. doi: 10.1007/s00270-022-03176-1. Epub 2022 Jul 5.	2.797	CARIM
82	Korenblak R, van Zon J, Olij B, Heil J, Dewulf M, Neumann U, Olde Damink S, Binkert C, Schadde E, van der Leij C , van Dam R, DRAGON Trials Collaborative	Resectability of bilobar liver tumours after simultaneous portal and hepatic vein embolization versus portal vein embolization alone: meta-analysis	BJS Open. 2022 Nov 2;6(6):zrac141. doi: 10.1093/bjsopen/zrac141.	3.875	GROW
83	Kremers F, Venema E, Duvekot M, Yo L, Bokkers R, Lycklama À Nijeholt G, van Es A, van der Lugt A, Majoie C, Burke J, Roozenbeek B, Lingsma H, Dippel D, MR CLEAN Registry Investigators	Outcome prediction models for endovascular treatment of ischemic stroke: Systematic review and external validation	Stroke. 2022 Mar;53(3):825-836. doi: 10.1161/STROKEAHA.120.033445. Epub 2021 Nov 4.	10.170	CARIM
84	Van Lanen R, Wiggins C, Colon A, Backes W , Jansen J, Uher D , Drenthen G , Roebroek A, Ivanov D, Poser B, Hoerberigs M , van Kuijk S, Hoogland G, Rijkers K, Wagner G, Beckervordersandforth J, Delev D, Clusmann H, Wolking S, Klinkenberg S, Rouhl R, Hofman P , Schijns O	Value of ultra-high field MRI in patients with suspected focal epilepsy and negative 3 T MRI (EpiUltraStudy): protocol for a prospective, longitudinal therapeutic study	Neuroradiology. 2022 Apr;64(4):753-764. doi: 10.1007/s00234-021-02884-8. Epub 2022 Jan 5.	2.995	MHeNs
85	Van Leeuwen F, Schottelius M, Mottaghy F , Hyafil F, Lubberink M, Kramer-Marek G, Oyen W	Perspectives on translational molecular imaging and therapy: an overview of key questions to be addressed	EJNMMI Res. 2022 Jun 2;12(1):31. doi: 10.1186/s13550-022-00903-0.	3.434	GROW
86	Loenen A, Peters M, Wierls R , Bevers R, van Rhijn L, Arts J, Willems P	Local bone metabolism during the consolidation process of spinal interbody fusion	J Bone Miner Metab. 2022 Mar;40(2):220-228. doi: 10.1007/s00774-021-01281-8. Epub 2021 Nov 10.	2.976	CAPHRI
87	Van der Lubbe M, Vaidyanathan A, de Wit M, van den Burg E, Postma A , Bruintjes T, Bilderbeek-Beckers M, Dammeijer P, Vanden Bossche S, Van Rompaey V, Lambin P , van Hoof M, van de Berg R	A non-invasive, automated diagnosis of Menière's disease using radiomics and machine learning on conventional magnetic resonance imaging: A multicentric, case-controlled feasibility study	Radiol Med. 2022 Jan;127(1):72-82. doi: 10.1007/s11547-021-01425-w. Epub 2021 Nov 25.	6.313	MHeNs

88	Van der Lubbe M, Vaidyanathan A, de Wit M, van den Burg E, Postma A , Bruintjes T, Bilderbeek-Beckers M, Dammeijer P, Vanden Bossche S, Van Rompaey V, Lambin P , van Hoof M, van de Berg R	Response to the letter to the editor on the article: a non-invasive, automated diagnosis of Menière's disease using radiomics and machine learning on conventional magnetic resonance imaging-a multicentric, case-controlled feasibility study	Radiol Med. 2022 Sep;127(9):1059-1061. doi: 10.1007/s11547-022-01492-7. Epub 2022 Aug 5.	6.313	MHeNs
89	Luijten S, Wolff L, Duvekot M, van Doormaal P, Moudrous W, Kerkhoff H, Lycklama A Nijeholt G, Bokkers R, Yo L, Hofmeijer J, van Zwam W , van Es A, Dippel D, Roozenbeek B, van der Lugt A, MR CLEAN Registry and PRESTO investigators	Diagnostic performance of an algorithm for automated large vessel occlusion detection on CT angiography	J Neurointerv Surg. 2022 Aug;14(8):794-798. doi: 10.1136/neurintsurg-2021-017842. Epub 2021 Aug 19.	8.581	CARIM
90	Luyten P, Heuts S, Cheriex E, Olsthooorn J, Crijns H, Winkens B, Roos-Hesselink J, Sardari Nia P, Schalla S	Mitral prolapsing volume is associated with increased cardiac dimensions in patients with mitral annular disjunction	Neth Heart J. 2022 Mar;30(3):131-139. doi: 10.1007/s12471-021-01575-6. Epub 2021 May 4.	2.854	CARIM
91	Mammadov O, Akkurt B, Musigmann M, Ari A, Blömer D, Kasap D, Henssen D, Nacul N, Sartoretti E, Sartoretti T , Backhaus P, Thomas C, Stummer W, Heindel W, Mannil M	Radiomics for pseudoprogression prediction in high grade gliomas: added value of MR contrast agent	Heliyon. 2022 Aug 2;8(8):e10023. doi: 10.1016/j.heliyon.2022.e10023. eCollection 2022 Aug.	3.776	CARIM
92	Martens B , Wildberger J , van Kuijk S, de Vos-Geelen J, Jeukens C , Mihl C	Influence of contrast material temperature on patient comfort and image quality in computed tomography of the abdomen: a randomized controlled trial	Invest Radiol. 2022 Feb 1;57(2):85-89. doi: 10.1097/RLI.0000000000000807.	10.065	CARIM
93	Martens B , Bosschee J, van Kuijk S, Jeukens C , Brauer M , Wildberger J , Mihl C .	Finding the optimal tube current and iterative reconstruction strength in liver imaging; two needles in one haystack	PLoS One. 2022 Apr 7;17(4):e0266194. doi: 10.1371/journal.pone.0266194. eCollection 2022.	3.752	CARIM
94	Martens B , Jost G, Mihl C , Nijssen E , Wildberger J , Schmidt B, Flohr T, Pietsch H	Individualized scan protocols in abdominal Computed Tomography: Radiation versus contrast media dose optimization	Invest Radiol. 2022 Jun 1;57(6):353-358. doi: 10.1097/RLI.0000000000000844.	10.065	CARIM
95	Martens B , Driessen R, Brands L, Hoitinga P, van Veen F, Driessen M, Weberndorfer V, Kietselaer B, Ghossein-Doha C, Gietema H , Vernooy K, van der Horst I, Wildberger J , van Bussel B, Mihl C , MaastricCht Collaborators	Coronary artery calcifications are associated with more severe multiorgan failure in patients with severe Coronavirus disease 2019 infection: Longitudinal results of the Maastricht Intensive Care COVID Cohort	J Thorac Imaging. 2022 Jul 1;37(4):217-224. doi: 10.1097/RTI.0000000000000648. Epub 2022 Apr 13.	5.528	CARIM / GROW
96	McDermott M , Sartoretti T , Mihl C , Pietsch H, Alkadhi H, Wildberger J	Third-generation cardiovascular phantom: The next generation of preclinical research in diagnostic imaging	Invest Radiol. 2022 Dec 1;57(12):834-840. doi: 10.1097/RLI.0000000000000894. Epub 2022 Jun 17.	10.065	CARIM
97	Van der Meer L , Waterval J, Kunst H, Mitea C , Pegge S, Postma A	Diagnosing necrotizing external otitis on CT and MRI: assessment of pattern of extension	Eur Arch Otorhinolaryngol. 2022 Mar;279(3):1323-1328. doi: 10.1007/s00405-021-06809-2. Epub 2021 Apr 25.	3.236	GROW/MHeNs
98	Van der Meer D, Shadrin A, O'Connell K, Bettella F, Djurovic S, Wolfers T, Alnaes D, Agartz I, Smeland O, Melle I, Monereo Sánchez J , Linden D, Dale A, Westlye L, Andreassen O, Frei O, Kaufmann T	Boosting schizophrenia genetics by utilizing genetic overlap with brain morphology	Biol Psychiatry. 2022 Aug 15;92(4):291-298. doi: 10.1016/j.biopsych.2021.12.007. Epub 2022 Feb 11.	12.810	MHeNs

99	Mergen V, Sartoretti T , Baer-Beck M, Schmidt B, Petersilka M, Wildberger J , Euler A, Eberhard M, Alkadhi H	Ultra-high-resolution coronary CT angiography with photon-counting detector CT: Feasibility and image characterization	Invest Radiol. 2022 Dec 1;57(12):780-788. doi: 10.1097/RLI.0000000000000897. Epub 2022 May 31.	10.065	CARIM
100	Mohamed A, Risse K, Stock J, Heinzel A, Mottaghy F , Bruners P, Eble M	Body composition as a predictor of the survival in anal cancer	Cancers (Basel). 2022 Sep 18;14(18):4521. doi: 10.3390/cancers14184521.	6.575	GROW
101	Mojtahedi M, Kappelhof M, Ponomareva E, Tolhuisen M, Jansen I, Bruggeman A, Dutra B, Yo L, LeCouffe N, Hoving J, van Voorst H, Brouwer J, Arrarte N, Konduri P, Meijer F, Appelman A, Treurniet K, Coutinho J, Roos Y, van Zwam W , Dippel D, Gavves E, Emmer B, Majoie C, Marquering H	Fully automated thrombus segmentation on CT images of patients with acute ischemic stroke	Diagnostics (Basel). 2022 Mar 12;12(3):698. doi: 10.3390/diagnostics12030698.	3.992	CARIM
102	De Mooij C, Samiei S, Mitea C , Lobbés M , Kooreman L, Heuts E, Beets-Tan R, van Nijnatten T , Smidt M	Axillary lymph node response to neoadjuvant systemic therapy with dedicated axillary hybrid ¹⁸F-FDG PET/MRI in clinically node-positive breast cancer patients: a pilot study	Clin Radiol. 2022 Oct;77(10):e732-e740. doi: 10.1016/j.crad.2022.06.010. Epub 2022 Jul 15.	3.389	GROW
103	Musigmann M, Akkurt B, Krähling H, Brokinkel B, Henssen D, Sartoretti T , Nacul N, Stummer W, Heindel W, Mannil M	Assessing preoperative risk of STR in skull meningiomas using MR radiomics and machine learning	Sci Rep. 2022 Aug 18;12(1):14043. doi: 10.1038/s41598-022-18458-4.	4.996	CARIM
104	Müller M, Winz O, Gutsche R, Leijenaar R, Kocher M, Lerche C, Fils C, Stoffels G, Steidl E, Hattingen E, Steinbach J, Maurer G, Heinzel A, Galldiks N, Mottaghy F , Langen K, Lohmann P	Static FET PET radiomics for the differentiation of treatment-related changes from glioma progression	J Neurooncol. 2022 Sep;159(3):519-529. doi: 10.1007/s11060-022-04089-2. Epub 2022 Jul 19.	4.506	GROW
105	Nadig V, Herrmann K, Mottaghy F , Schulz V	Hybrid total-body pet scanners-current status and future perspectives	Eur J Nucl Med Mol Imaging. 2022 Jan;49(2):445-459. doi: 10.1007/s00259-021-05536-4. Epub 2021 Oct 14.	10.057	GROW
106	Van Nijnatten T , Jochelson M, Lobbés M	Axillary lymph node characteristics in breast cancer patients versus post-COVID-19 vaccination: Overview of current evidence per imaging modality	Eur J Radiol. 2022 Jul;152:110334. doi: 10.1016/j.ejrad.2022.110334. Epub 2022 Apr 30.	4.531	GROW
107	Nobel M , van Geel K, Robben S	Structured reporting in radiology: a systematic review to explore its potential	Eur Radiol. 2022 Apr;32(4):2837-2854. doi: 10.1007/s00330-021-08327-5. Epub 2021 Oct 15.	7.034	SHE
108	Olthuis S , Hinsenvelde W, Pinckaers F , Amini M, Lingsma H, Staals J, Schreuder T, Schonewille W, Yo L, Roos Y, Postma A , Dippel D, van Zwam W , van Oostenbrugge R, De Ridder I, On behalf of The MR CLEAN Registry Investigators	Association between type of intervention center and outcomes after endovascular treatment for acute ischemic stroke: Results from the MR CLEAN Registry	Eur Stroke Journal. 2022 Dec 22; doi/10.1177/23969873221145771	5.894	CARIM

109	Oosterveer T, van Erp G, Hendriks P, Broersen A, Overduin C, van Rijswijk C, van Erkel A, van der Meer R, Tushuizen M, Moelker A, Meijerink M, van Delden O, de Jong K, van der Leij C, Smits M, Uurlings T, Braak J, Meershoek-Klein Kranenburg E, van Duijn-de Vreugd B, Zeijdner E, Goeman J, Fütterer J, Coenraad M, Dijkstra J, Burgmans M	Study protocol PROMETHEUS: Prospective multicenter study to evaluate the correlation between safety margin and local recurrence after thermal ablation using image co-registration in patients with hepatocellular carcinoma	Cardiovasc Intervent Radiol. 2022 May;45(5):606-612. doi: 10.1007/s00270-022-03075-5. Epub 2022 Mar 1.	2.797	GROW
110	Opbroek T, Willems Y, Verhaegen F, de Ridder R, Hoge C, Melenhorst J, Bakers F, Grabsch H, Buijsen J, Van Limbergen E, Canters R, Berbee M	BioXmark® liquid fiducials to enable radiotherapy tumor boosting in rectal cancer, a feasibility trial	Clin Transl Radiat Oncol. 2022 Nov 4;38:90-95. doi: 10.1016/j.ctro.2022.10.013. eCollection 2023 Jan.	4.739	GROW
111	Pallares R, Mottaghy F, Schulz V, Kiessling F, Lammers T	Nanoparticle diagnostics and theranostics in the clinic	J Nucl Med. 2022 Dec;63(12):1802-1808. doi: 10.2967/jnumed.122.263895. Epub 2022 Oct 27.	11.082	GROW
112	Paraskevas K, Mikhailidis D, Antignani P, Baradaran H, Bokkers R, Cambria R, Dardik A, Davies A, Eckstein H, Faggioli G, Fernandes J, Fraedrick G, Geroulakos, Floviczki P, Golledge J, Gupta A, Jezovnik M, Kakkos S, Katsiki N, Knoflach M, Kooi M, Lanza G, Liapis C, Loftus I, Mansilha A, Millon A, Nicolaidis A, Pini R, Ricco J, Riles T, Ringleb P, Rundek T, Saba, Schlachetzki F, Silvestrini M, Spinelli F, Stilo F, Sultan S, Suri J, Zeebregts C, Chaturvedi S.	Optimal management of asymptomatic carotid stenosis in 2021: the jury is still out. An international, multispecialty, expert review and position statement	J Stroke Cerebrovasc Dis. 2022 Jan;31(1):106182. doi: 10.1016/j.jstrokecerebrovasdis.2021.106182. Epub 2021 Nov 1.	2.677	CARIM
113	Paraskevas K, Mikhailidis D, Antignani P, Baradaran H, Bokkers R, Cambria R, Dardik A, Davies A, Eckstein H, Faggioli G, Fernandes J, Fraedrick G, Geroulakos, Floviczki P, Golledge J, Gupta A, Jezovnik M, Kakkos S, Katsiki N, Knoflach M, Kooi M, Lanza G, Liapis C, Loftus I, Mansilha A, Millon A, Nicolaidis A, Pini R, Ricco J, Riles T, Ringleb P, Rundek T, Saba, Schlachetzki F, Silvestrini M, Spinelli F, Stilo F, Sultan S, Suri J, Zeebregts C, Chaturvedi S.	Optimal management of asymptomatic carotid stenosis in 2021: the jury is still out. An international, multispecialty, expert review and position statement	Int Angiol. 2022 Apr;41(2):158-169. doi: 10.23736/S0392-9590.21.04825-2. Epub 2021 Dec 16.	2.103	CARIM
114	Paraskevas K, Mikhailidis D, Baradaran H, Davies A, Eckstein H, Faggioli G, 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	Optimal management of asymptomatic carotid stenosis: Counterbalancing the benefits with the potential risks	J Stroke. 2022 Jan;24(1):163-165. doi: 10.5853/jos.2021.04420. Epub 2022 Jan 31.	8.632	CARIM

115	Paraskevas K, Mikhailidis D, Baradaran H, Bokkers R, Davies A, Eckstein H, Faggioli G, Fernandes J, Gargiulo M, Jawien A, Jezovnik M, Kakkos S, Knoflach M, Kooi M , Lanza G, Liapis C, Loftus I, Mansilha A, Mechtouff L, Millon A, Myrcha P, Nicolaides A, Pini R, Poredos P, Ricco J, Rundek T, Saba L, Sivestrini F, Spinelli F, Stilo F, Sultan S, Suri J, Svetlikov A, Wijeratne T, Zeebregts C, Gliviczki P	The burden of carotid-related strokes	Ann Transl Med. 2022 Feb;10(3):159. doi: 10.21037/atm-2021-12.	3.616	CARIM
116	Paraskevas K, Mikhailidis D, Antignani P, Ascher E, Baradaran H, Bokkers R, Cambria R, Comerota A, Dardik A, Davies A, Eckstein H, Faggioli G, Fernandes J, Freadrich G, Geroulakos G, Gliviczki P, Golledge J, Gupta A, Jezovnik M, Kakkos S, Katsiki N, Knoflach M, Kooi M , Lanza G, Lavenson Jr G, Liapis C, Loftus I, Mansilha A, Millon A, Nicolaides A, Pini R, Poredos P, Proczka R, Ricco J, Riles T, Ringleb P, Rundek T, Saba L, Schlachetzki F, Silvestrini M, Spinelli F, Stilo F, Sultan S, Suri J, Svetlikov A, Zeebregts C, Chaturvedi S	Comparison of recent practice guidelines for the management of patients with asymptomatic carotid stenosis	Angiology. 2022 Nov-Dec;73(10):903-910. doi: 10.1177/00033197221081914. Epub 2022 Apr 12.	3.299	CARIM
117	Peggion C, Scalcon V, Masdimino M, Nies K , Lopreiato R, Rigobello M, Bertoli A	SOD1 in ALS: Taking stock in pathogenic mechanisms and the role of glial and muscle cells	Antioxidants (Basel). 2022 Mar 23;11(4):614. doi: 10.3390/antiox11040614.	7.675	CARIM
118	Di Perri D, Hofstede D, Postma A , Zegers C, In 't Ven L, Hoebbers F, van Elmpt W, Verheesen L, Beurskens H, Troost E, Compter I, Eekers D	Development of explanatory movies for the delineation of new organs at risk in neuro-oncology	Clin Transl Radiat Oncol. 2022 Feb 15;33:112-114. doi: 10.1016/j.ctro.2022.02.005. eCollection 2022 Mar.	4.739	MHeNs/GROW
119	Pilmeyer J, Huijbers W, Lamerichs R, Jansen J , Breeuwer M, Zinger S	Functional MRI in major depressive disorder: A review of findings, limitations, and future prospects	J Neuroimaging. 2022 Jul;32(4):582-595. doi: 10.1111/jon.13011. Epub 2022 May 21.	2.324	MHeNs
120	Pirson F, Boodt N, Brouwer J, Bruggeman A, den Hartog S, Goldhoorn R, Langezaal L, Staals J, van Zwam W, van der Leij C, Brans R , Majoie C, Coutinho J, Emmer B, Dippel D, van der Lugt A, Vos J, van Oostenbrugge R, Schonewille W, MR CLEAN Registry Investigatorst	Endovascular treatment for posterior circulation stroke in routine clinical practice: Results of the multicenter randomized clinical trial of endovascular treatment for acute ischemic stroke in the Netherlands registry	Stroke. 2022 Mar;53(3):758-768. doi: 10.1161/STROKEAHA.121.034786. Epub 2021 Nov 10.	10.170	CARIM
121	Pirson F, Boodt N, Brouwer J, Bruggeman A, Hinsenfeld W, Staals J, van Zwam W, van der Leij C, Brans R , Majoie C, Dippel D, van der Lugt A, Schonewille W, van Oostenbrugge R, MR CLEAN Registry Investigators	Etiology of large vessel occlusion posterior circulation stroke: Results of the MR CLEAN Registry	Stroke. 2022 Aug;53(8):2468-2477. doi: 10.1161/STROKEAHA.121.038054. Epub 2022 May 11.	10.170	CARIM
122	Ploumen R, Keymeulen K, Kooreman L, van Kuijk S, Siesling S, Smidt M, van Nijntten T	The percentage of residual DCIS in patients diagnosed with primary invasive breast cancer treated with neoadjuvant systemic therapy: A nationwide retrospective study	Eur J Surg Oncol. 2022 Jan;48(1):60-66. doi: 10.1016/j.ejso.2021.10.016. Epub 2021 Oct 22.	4.037	GROW

123	Posthuma R, Vaes A, Walraven K, Sardari Nia P, Schreiber 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. 2022;101(5):476-484. doi: 10.1159/000520885. Epub 2021 Dec 22.	3.966	GROW
124	Prasetya H, Tolhuisen M, Koopman M, Kappelhof M, Meijer F, Yo L, Á Nijeholt G, van Zwam W , van der Lugt A, Roos Y, Majoie C, van Bavel E, Marquering H, On Behalf Of The Mr Clean Registry Investigators	Value of CT perfusion for collateral status assessment in patients with acute ischemic stroke	Diagnostics (Basel). 2022 Dec 1;12(12):3014. doi: 10.3390/diagnostics12123014.	3.992	CARIM
125	Primakov S, Ibrahim A , van Timmeren J, Wu G, Keek S, Beuque M, Granzier R, Lavrova E, Scrivener M, Sanduleanu S, Kayan E, Halilaj I, Lenaers A, Wu J, Monshouwer R, Geets X, Gietema H , Hendriks L, Morin O, Jochems A, Woodruff H , Lambin P	Automated detection and segmentation of non-small cell lung cancer computed tomography images	Nat Commun. 2022 Jun 14;13(1):3423. doi: 10.1038/s41467-022-30841-3.	17.694	GROW
126	Raafs A, Ghossein M, Brandt Y , Henkens M, Kooi M , Vernooy K, Spaanderman M, Gerretsen S , van Santen S, Drissen R, Knackstedt C, van der Horst I, van Bussel B, Heymans S, Ghossein-Doba C, MaastrICChT collaborators	Cardiovascular outcome 6 months after severe coronavirus disease 2019 infection	J Hypertens. 2022 Jul 1;40(7):1278-1287. doi: 10.1097/HJH.0000000000003110. Epub 2022 Feb 25.	4.776	CARIM
127	Raafs A, Vos J, Henkens M, Slurink B, Verdonchot J, Bossers D, Roes K, Gerretsen S , Knackstedt C, Hazebroek M, Nijveldt R, Heymans S	Left atrial strain has superior prognostic value to ventricular function and delayed enhancement in dilated cardiomyopathy	JACC Cardiovasc Imaging. 2022 Jun;15(6):1015-1026. doi: 10.1016/j.jcmg.2022.01.016. Epub 2022 May 11.	16.051	CARIM
128	Raghu V, Walia A, Zinzuwadia A, Goiffon R, Shepard J, Aerts H , Lennes I, Lu M	Validation of a deep learning-based model to predict lung cancer risk using chest radiographs and electronic medical record data	JAMA Netw Open. 2022 Dec 1;5(12):e2248793. doi: 10.1001/jamanetworkopen.2022.48793.	13.360	GROW
129	Ramos L, van Os H, Hilbert A, D Olabarriga S, van der Lugt A, Roos Y, van Zwam W , van Walderveen M, Ernst M, Zwinderman A, Strijkers G, Majoie C, Wermer M, Marquering H	Combination of radiological and clinical baseline data for outcome prediction of patients with an acute ischemic stroke	Front Neurol. 2022 Apr 1;13:809343. doi: 10.3389/fneur.2022.809343. eCollection 2022.	4.086	CARIM
130	Rebelos E, Daniele G, Campi B, Saba A, Koskensalo K, Ihalainen J, Saukko E, Nuutila P, Backes W , Jansen J , Dagnelie P, Köhler S, de Galan B, van Sloten T, Stehouwer D, Ferrannini E	Circulating N-Acetylaspartate does not track brain NAA concentrations, cognitive function or features of small vessel disease in humans	Sci Rep. 2022 Jul 7;12(1):11530. doi: 10.1038/s41598-022-15670-0.	4.996	MHeNs
131	Refaee T, Bondue B, van Simaëys G, Wu G, Yan C, Woodruff H , Goldman S, Lambin P	A handcrafted radiomics-based model for the diagnosis of usual interstitial pneumonia in patients with idiopathic pulmonary fibrosis	J Pers Med. 2022 Feb 28;12(3):373. doi: 10.3390/jpm12030373.	3.508	GROW
132	Refaee T, Salahuddin Z, Widaatalla Y, Primakov S, Woodruff H , Hustinx R, Mottaghy F , Ibrahim A, Lambin P	CT reconstruction kernels and the effect of pre- and post-processing on the reproducibility of handcrafted radiomic features	J Pers Med. 2022 Mar 31;12(4):553. doi: 10.3390/jpm12040553.	3.508	GROW

133	Refaee T, Salahuddin Z, Frix A, Yan C, Wu G, Woodruff H, Gietema H , Meunier P, Louis R, Guiot J, Lambin P	Diagnosis of idiopathic pulmonary fibrosis in high-resolution Computed Tomography scans using a combination of handcrafted radiomics and deep learning	Front Med (Lausanne). 2022 Jun 23;9:915243. doi: 10.3389/fmed.2022.915243. eCollection 2022.	5.058	GROW
134	Rinkel L, Treurniet K, Nieboer D, Kappelhof M, LeCouffe N, Bruggeman A, van Zwam W , Lycklama À Nijeholt G, Ghariq E, Uyttenboogaart M, Dippel D, Roos Y, Coutinho J, Majoie C, Emmer B, MR CLEAN-NO IV Investigators	Effect of intravenous alteplase treatment on first-line stent retriever versus aspiration alone during endovascular treatment	Stroke. 2022 Nov;53(11):3278-3288. doi: 10.1161/STROKEAHA.121.038390. Epub 2022 Jul 25.	10.170	CARIM
135	Römer T, Franzen S, Kravets H, Farrag A, Makowska A, Christiansen H, Eble M, Timmermann B, Staatz G, Mottaghy F , Bühlren M, Hagenah U, Puzik A, Driever P, Greiner J, Jorch N, Tippelt S, Schneider D, Kropshofer G, Overbeck T, Christiansen H, Brozou T, Escherich G, Becker M, Friesenbichler W, Feuchtinger T, Puppe W, Heussen N, Hilgers R, Kontny U	Multimodal treatment of nasopharyngeal carcinoma in children, adolescents and young adults-extended follow-up of the NPC-2003-GPOH study cohort and patients of the interim cohort	Cancers (Basel). 2022 Feb 28;14(5):1261. doi: 10.3390/cancers14051261.	6.575	GROW
136	Saba L, Antignani P, Gupta A, Cau R, Paraskevas K, Wasserman B, Kamel H, Avgerinos E, Saldago R, Caobelli F, Aluigi L, Savastano L, Brown M, Hatsukami T, Hussein E, Suri J, Mansilha A, Wintermark M, Staub D, Montequin J, Rodriguez R, Balu N, Pitha J, Kooi M , Lal B, Spence D, Lanzino G, Marcus H, Mancini M, Chaturvedi S, Blinc A	International Union of Angiology (IUA) consensus paper on imaging strategies in atherosclerotic carotid artery imaging: From basic strategies to advanced approaches	Atherosclerosis. 2022 Aug;354:23-40. doi: 10.1016/j.atherosclerosis.2022.06.1014. Epub 2022 Jun 28.	6.847	CARIM
137	Sanders K, Wiertz R , van Marken Lichtenbelt W, de Vos-Geelen J, Plasqui G, Kelderer M, Schrauwen-Hinderling V , Bucerius J , Dingemans A, Mottaghy F , Schols A	Brown adipose tissue activation is not related to hypermetabolism in emphysematous chronic obstructive pulmonary disease patients	J Cachexia Sarcopenia Muscle. 2022 Apr;13(2):1329-1338. doi: 10.1002/jcsm.12881. Epub 2022 Feb 15.	12.063	NUTRIM
138	Sankaranarayanan R, Peil J, Vogt A, Bolm C, Terhorst S, Classen A, Bauwens M , Maurer J, Mottaghy F , Morgenroth A	Auger emitter conjugated PARP inhibitor for therapy in triple negative breast cancers: A comparative In-Vitro study	Cancers (Basel). 2022 Jan 4;14(1):230. doi: 10.3390/cancers14010230.	6.575	GROW
139	Sankaranarayanan R, Florea A , Allekotte S, Vogt A, Maurer J, Schäfer L, Bolm C, Terhorst S, Classen A, Bauwens M , Morgenroth A, Mottaghy F	PARP targeted Auger emitter therapy with [125I]PARPi-01 for triple-negative breast cancer	EJNMMI Res. 2022 Sep 14;12(1):60. doi: 10.1186/s13550-022-00932-9.	3.434	GROW
140	Santegoeds R , Alahmari M, Postma L , Liebsch N, Weber D, Mammari H, Eekers D, Temel Y	Ectopic recurrence of skull base chordoma after proton therapy	Curr Oncol. 2022 Mar 28;29(4):2364-2375. doi: 10.3390/curroncol29040191.	3.109	MHeNS

141	Sardanelli F, Trimboli R, Houssami N, Gilbert F, Helbich T, Álvarez Benito M, Balleyguier C, Bazzocchi M, Bult P, Calabrese M, Camps Herrero J, Cartia F, Cassano E, Clauser P, Cozzi A, de Andrade D, de Lima Docema M, Depretto C, Dominelli V, Forrai G, Girometti R, Harms S, Hilborne S, Lenzi R, Lobbès M , Losio C, Mann R, Montemezzi S, Obdeijn I, Ozcan U, Pediconi F, Pinkel K, Preibsch H. Raya Povedano J, Saccetto D, Scaperrotta G, Schiaffino S, Schlooz M, Szabó B, Taylor D, Ulus O, Van Goethem M, Veltman J, Weigel S, Wenkel E, Zuiani C, De Leo G	Magnetic Resonance Imaging before breast cancer surgery: results of an observational multicenter international prospective analysis (MIPA)	Eur Radiol. 2022 Mar;32(3):1611-1623. doi: 10.1007/s00330-021-08240-x. Epub 2021 Oct 13.	7.034	GROW
142	Sartoretti E, Sartoretti-Schefer S, van Smoorenburg L, Binkert C, Gutzeit A, Wyss M, Sartoretti T .	Spiral 3D time-of-flight MR angiography for rapid non-contrast carotid artery imaging: clinical feasibility and protocol optimization	Phys Med. 2022 Jan;93:20-28. doi: 10.1016/j.ejimp.2021.11.011. Epub 2021 Dec 11.	3.119	CARIM
143	Sartoretti E, Sartoretti-Schefer S, van Smoorenburg L, Binkert C, Schwenk A, Gutzeit A, Mannil M, Wyss M, Sartoretti T	Contrast-enhanced T1-weighted head and neck MRI: prospective intraindividual image quality comparison of spiral GRE, cartesian GRE, and cartesian TSE sequences	AJR Am J Roentgenol. 2022 Jan;218(1):132-139. doi: 10.2214/AJR.21.26413. Epub 2021 Aug 18.	6.582	CARIM
144	Sartoretti E, Sartoretti T , Schwenk A, Alfieri A, Czell D, Wyss M, Wildi L, Binkert C, Sartoretti-Schefer S	High-resolution 3D versus standard-resolution 2D T2-weighted turbo spin echo MRI for the assessment of lumbar nerve root compromise	Tomography. 2022 Jan 24;8(1):257-266. doi: 10.3390/tomography8010020.	3.000	CARIM
145	Sartoretti E, Sartoretti-Schefer S, van Smoorenburg L, Eichenberger B, Schwnk A, Czell D, Alfieri A, Binkert C, Wyss M, Sartoretti T	Spiral gradient echo versus cartesian turbo spin echo imaging for sagittal contrast-enhanced fat-suppressed T1 weighted spine MRI: an inter-individual comparison study	Br J Radiol. 2022 Jul 1;95(1135):20210354. doi: 10.1259/bjr.20210354. Epub 2021 Nov 11.	3.629	CARIM
146	Sartoretti T , Landsmann A, Nakhostin D, Eberhard M, Roeren C, Mergen V, Higashigaito K, Raupach R, Alkadhi H, Euler A	Quantum iterative reconstruction for abdominal photon-counting detector CT improves image quality	Radiology. 2022 May;303(2):339-348. doi: 10.1148/radiol.211931. Epub 2022 Feb 1.	29.146	CARIM
147	Schurink N, van Kranen S, Roberti S, van Griethuysen J, Bogveradze N, Castagnoli F, Khababi N, Bakers F , de Bie S, Bosma G, Cappendijk V, Geenen R, Neijenhuis P, Peterson G, Veecken C, Vliegen R, Beets-Tan R, Lambregts D	Sources of variation in multicenter rectal MRI data and their effect on radiomics feature reproducibility	Eur Radiol. 2022 Mar;32(3):1506-1516. doi: 10.1007/s00330-021-08251-8. Epub 2021 Oct 16.	7.034	GROW
148	Simons J, van Nijnatten T , van der Pol C, van Diest P, Jager A, van Klaveren D, Kam B, Lobbès M , de Boer M, Verhoef C, Sars P, Heijmans H, van Haaren E, Vles W, Contant C, Menke-Pluijmers M, Smit L, Kelder W, Boskamp M, Koppert L, Luiten E, Smidt M	Diagnostic accuracy of radioactive iodine seed placement in the axilla with sentinel lymph node biopsy after neoadjuvant chemotherapy in node-positive breast cancer	JAMA Surg. 2022 Nov 1;157(11):991-999. doi: 10.1001/jamasurg.2022.3907.	16.685	GROW
149	Simons P, Valkenburg O, Telgenkamp I, van der Waaij K, de Groot D, Veeraiah P , Bons J, Derks T, Schalkwijk C, Schrauwen-Hinderling V , Stehouwer C, Brouwers M	Serum sex hormone-binding globulin levels are reduced and inversely associated with intrahepatic lipid content and saturated fatty acid fraction in adult patients with glycogen storage disease type 1a	J Endocrinol Invest. 2022 Jun;45(6):1227-1234. doi: 10.1007/s40618-022-01753-2. Epub 2022 Feb 7.	5.467	NUTRIM

150	Sleurs C, Zegers C, Compter I, Dijkstra J, Anten M, Postma A , Schijns O, Hoeben A, Sitskoorn M, De Baene W, De Roeck L, Sunaert S, Van Elmpt W, Lambrecht M, Eekers D	Neurocognition in adults with intracranial tumors: does location really matter?	J Neurooncol. 2022 Dec;160(3):619-629. doi: 10.1007/s11060-022-04181-7. Epub 2022 Nov 8.	4.506	MHeNs
151	Sluckin T, Hazen S, Horsthuis K, Beets-Tan R, Marijnen C, Tanis P, Kusters M, Dutch Snapshot Research Group (Bakers, F)	Retrospective evaluation of national MRI reporting quality for lateral lymph nodes in rectal cancer patients and concordance with prospective re-evaluation following additional training	Insights Imaging. 2022 Oct 20;13(1):171. doi: 10.1186/s13244-022-01303-7.	5.036	GROW
152	Smits F, Henry A, Besselink M, Busch O, van Eijck C, Arntz M, Bollen T, van Delden O, van den Heuvel D, van der Leij C , van Lienden K, Moelker A, Bonsing B, Borel Rinkes I, Bosscha K, van Dam R, Derksen W, den Dulk M, Festen S, Groot Korkamp B, de Haas R, Hagendoorn J, van der Harst E, de Hingh I, Kazemier G, van der Kolk M, Liem M, Lips D, Luyer M, de Meijer V, Mieog J, Nieuwenhuijs V, Patijn G, Te Riele W, Roos D, Schreinemakers J, Stommel M, Wit F, Zonderhuis, Daamen L, van Werkhoven C, Molenaar I, van Santvoort H, Dutch Pancreatic Cancer Group	Algorithm-based care versus usual care for the early recognition and management of complications after pancreatic resection in the Netherlands: an open-label, nationwide, stepped-wedge cluster-randomised trial	Lancet. 2022 May 14;399(10338):1867-1875. doi: 10.1016/S0140-6736(22)00182-9. Epub 2022 Apr 28.	202.731	GROW
153	Sønderby I, Ching C, Thomopoulos S, van der Meer D, Sun D, Villalón-Reina J, Agartz I, Amunts, Arango C,, Monereo Sánchez J , Moreau C, Mühleisen T, Paus T, Pausova Z, Prieto C, Ragothaman A, Reinbold, Marques T, Repetto G, Reymond A, Roalf D, Rodriguez-Herreros B, Rucker J, Sachdev P, Schmitt J, Schofield P, Silva A, Stefansson H, Stein D, Tamnes C, Tordessilas-Gutierrez D, Ulfarsson M, Vajdi A, van 't Ent D, van den Bree M, Vassos E, Vázquez-Bourgon E, Vila-Rodriguez F, Walters G, Wen W, Westlye L, Wittfield K, Zackai E, Stefánsson K, Jacquemont S, Thompson P, Bearden C, Andreassen O, ENIGMA-CNV Working Group; Deletion Syndrome Working Group	Effects of copy number variations on brain structure and risk for psychiatric illness: large-scale studies from the ENIGMA working groups on CNVs	Hum Brain Mapp. 2022 Jan;43(1):300-328. doi: 10.1002/hbm.25354. Epub 2021 Feb 21.	5.399	MHeNs
154	Van der Steen W, van de Graaf R, Chalos V, Lingsma H, van Doormaal P, Coutinho J, Emmer J, de Ridder I, van Zwam W , van der Worp H, van der Schaaf I, Gons R, Yo L, Boiten J, van den Wijngaard I, Hofmeijer J, Martens J, Schoenewille W, Vos J, Tuladhar A, de Laat K, van Hasselt B, Remmers M, Vos D, Rozeman A, Elgersma O, Uyttenboogaart M, Bokkers R, van Tuijl J, Boukrab I, van den Berg R, Beenen L, Roosendaal S, Postma A , Krietemeijer M,, MR CLEAN-MED Investigators	Safety and efficacy of aspirin, unfractionated heparin, both, or neither during endovascular stroke treatment (MR CLEAN-MED): an open-label, multicentre, randomised controlled trial	Lancet. 2022 Mar 12;399(10329):1059-1069. doi: 10.1016/S0140-6736(22)00014-9. Epub 2022 Feb 28.	202.731	CARIM

155	Van der Steen W, van der Ende N, van Kranendonk K, Chalos V, Brouwer J, van Oostenbrugge R, van Zwam W, van Doormaal P, van Es A, Majoie C, van der Lugt A, Dippel D, Roozenbeek B	Timing of symptomatic intracranial hemorrhage after endovascular stroke treatment	Eur Stroke J. 2022 Dec;7(4):393-401. doi: 10.1177/23969873221112279. Epub 2022 Aug 3.	5.894	CARIM
156	Van der Steen W, van der Ende, van Kranendonk K, Chalos V, van Oostenbrugge R, van Zwam W, Roos Y, van Doormaal P, van Es A, Lingsma H, Majoie C, van der Lugt A, Dippel D, Roozenbeek B, MR CLEAN Trial and MR CLEAN Registry Investigators	Determinants of symptomatic intracranial hemorrhage after endovascular stroke treatment: A retrospective cohort study	Stroke. 2022 Sep;53(9):2818-2827. doi: 10.1161/STROKEAHA.121.036195. Epub 2022 Jun 8.	10.170	CARIM
157	Van der Steen W, van der Sluijs, van de Graaf R, Su R, Wolff L, van Voorst H, den Hertog H, van Doormaal P, van Es A, Staals J, van Zwam W, Lingsma H, van den Berg R, Majoie C, van der Lugt A, Dippel D, Roozenbeek B, MR CLEAN-MED investigators	Safety and efficacy of periprocedural antithrombotics in patients with successful reperfusion after endovascular stroke treatment	J Stroke Cerebrovasc Dis. 2022 Oct;31(10):106726. doi: 10.1016/j.jstrokecerebrovasdis.2022.106726. Epub 2022 Aug 24.	2.677	CARIM
158	Tolhuisen M, Ernst M, Boers A, Brown S, Beenen L, Guillemin F, Roos Y, Saver J, van Oostenbrugge R, Demchuck A, van Zwam W, Jovin T, Berkhemer O, Muir K, Bracard S, Campbell B, van der Lugt A, White P, Hill M, Dippel D, Mitchell P, Goyal M, Caan M, Marquering H, Majoie C, HERMES collaborators	Value of infarct location in the prediction of functional outcome in patients with an anterior large vessel occlusion: results from the HERMES study	Neuroradiology. 2022 Mar;64(3):521-530. doi: 10.1007/s00234-021-02784-x. Epub 2021 Sep 3.	2.995	CARIM
159	Tolhuisen M, Hoving J, Koopman M, Kappelhof M, van Voorst H, Bruggeman A, Demchuck A, Dippel D, Emmer B, Bracard S, Guillemin F, van Oostenbrugge R, Mitchell P, van Zwam W, Hill M, Roos Y, Jovin T, Berkhemer O, Campbell B, Saver J, White P, Muir K, Goyal M, Marquering H, Majoie C, Caan M, MR CLEAN-NO IV and HERMES investigators	Outcome prediction based on automatically extracted infarct core image features in patients with acute ischemic stroke	Diagnostics (Basel). 2022 Jul 23;12(8):1786. doi: 10.3390/diagnostics12081786.	3.992	CARIM
160	Turc G, Tsvigoulis G, Audebert H, Boogaarts H, Bhogal P, De Marchis G, Fonseca A, Khatri P, Mazighi M, Pérez de la Ossa N, Schellinger P, Strbian D, Toni D, White P, Whiteley W, Zini A, van Zwam W, Fiehler J	European Stroke Organisation-European Society for Minimally Invasive Neurological Therapy expedited recommendation on indication for intravenous thrombolysis before mechanical thrombectomy in patients with acute ischemic stroke and anterior circulation large vessel occlusion	Eur Stroke J. 2022 Mar;7(1):I-XXVI. doi: 10.1177/23969873221076968. Epub 2022 Feb 17.	5.894	CARIM
161	Turc G, Tsvigoulis G, Audebert H, Boogaarts H, Bhogal P, De Marchis G, Fonseca A, Khatri P, Mazighi M, Pérez de la Ossa N, Schellinger P, Strbian D, Toni D, White P, Whiteley W, Zini A, van Zwam W, Fiehler J	European Stroke Organisation (ESO)-European Society for Minimally Invasive Neurological Therapy (ESMINT) expedited recommendation on indication for intravenous thrombolysis before mechanical thrombectomy in patients with acute ischemic stroke and anterior circulation large vessel occlusion	J Neurointerv Surg. 2022 Mar;14(3):209. doi: 10.1136/neurintsurg-2021-018589. Epub 2022 Feb 3.	8.581	CARIM

162	Vaidyanathan A, Guiot J, Zerka F, Belmans F, Van Peufflik I, Deprez L, Danthine D, Canivet G, Lambin P , Walsh S, Occhipinti M, Meunier P, Vos W, Lovinfosse P, Leijenaar R	An externally validated fully automated deep learning algorithm to classify COVID-19 and other pneumonias on chest computed tomography	ERJ Open Res. 2022 May 3;8(2):00579-2021. doi: 10.1183/23120541.00579-2021.	4.239	GROW
163	Vanneste B, Van Limbergen E, Marcelissen T, van Roermund J, Lutgens L, Arnoldussen C, Lambin P , Oelke M	Development of a management algorithm for acute and chronic radiation urethritis and cystitis	Urol Int. 2022;106(1):63-74. doi: 10.1159/000515716. Epub 2021 Jun 15.	1.934	GROW
164	Vanweert F, Neinast M, Tapia E, van de Weijer T , Hoeks J, Schrauwen-Hinderling V , Blair M, Bornstein M, Hesselink M, Schrauwen P, Arany Z, Phielix E	A randomized placebo-controlled clinical trial for pharmacological activation of BCAA catabolism in patients with type 2 diabetes	Nat Commun. 2022 Jun 18;13(1):3508. doi: 10.1038/s41467-022-31249-9.	17.694	NUTRIM
165	Verhaert D, Linz D, Chaldoupi S, Westra S, den Uijl D, Philippens S, Kerperien M, Habibi Z, Vorstermans B, Ter Bekke R, Beukema R, Evertz R, Hemels M, Luermans J, Manusama R, Lankveld T, van der Heijden C, Bidar E, Hermans B, Zeemering S, Bijvoet G, Habets J, Holtackers R , Mihl C , Nijveldt R, van Empel V, Knackstedt C, Simons S, Buhre w, Tijssen J, Isaacs A, Crijns H, Maesen B, Vernoooy K, Schotten U	Rationale and design of the ISOLATION Study: A multicenter prospective cohort study identifying predictors for successful atrial fibrillation ablation in an integrated clinical care and research pathway	Front Cardiovasc Med. 2022 Jun 30;9:879139. doi: 10.3389/fcvm.2022.879139. eCollection 2022.	5.846	CARIM
166	Visvikis D, Lambin P , Beschau Mauridsen K, Hustinx R, Lassmann M, Rischpler C, Shi K, Pruijm J	Application of artificial intelligence in nuclear medicine and molecular imaging: a review of current status and future perspectives for clinical translation	Eur J Nucl Med Mol Imaging. 2022 Nov;49(13):4452-4463. doi: 10.1007/s00259-022-05891-w. Epub 2022 Jul 9.	10.057	GROW
167	De Vries J, Autar A, van Dam-Nolen D, Donkel S, Kassem M , van der Kolk A, van Velzen T, Kooi M , Hendrikse J, Nederkoorn P, Bos D, van der Lugt A, de Maat M, van Beusekom H	Association between plaque vulnerability and neutrophil extracellular traps (NETs) levels: The Plaque At RISK study	PLoS One. 2022 Jun 9;17(6):e0269805. doi: 10.1371/journal.pone.0269805. eCollection 2022.	3.752	CARIM
168	Wagensveld I, Osses D, Groenendijk P, Zijta F , Busstra M, Rociu E, Barentsz J, Sedelaar M, Arbeel B, Roelleveld T, Geenen R, Koetere I, van der Meer S, Cappendijk V, Somford R, Klaver S, Van der Lely H, Wolters T, Hellings W, Leter M, Van der Poel H, Heijmink S, Debruyne F, Immerzeel J, Leijte J, van Roermund J, Miclea R , Planken E, Vis A, de Jong I, Tijsterman J, Wolterbeek D, Claessen A, Vrijhof E, Nederend J, Van Leenders G, Bangma C, Krestin G, Remmers S, Schoots I, MR-PROPER Study Group	A prospective multicenter comparison study of risk-adapted ultrasound-directed and Magnetic Resonance Imaging-directed diagnostic pathways for suspected prostate cancer in biopsy-naïve men	Eur Urol. 2022 Sep;82(3):318-326. doi: 10.1016/j.eururo.2022.03.003. Epub 2022 Mar 24.	24.267	GROW
169	Van de Weijer T , Broen M, Moonen R , Hoeben A, Anten M, Hovinga K, Compter I, van der Pol J , Mitea C , Lodewick T , Jacquerie A, Mottaghy F , Wildberger J , Postma A	The use of 18 F-FET-PET-MRI in neuro-oncology: The best of both worlds-A narrative review	Diagnostics (Basel). 2022 May 11;12(5):1202. doi: 10.3390/diagnostics12051202.	3.992	NUTRIM/GROW

170	De Witte P, van Bergen C, de Geest B, Willeboordse F, van Line J, den Hartog Y, Foreman-van Drongeelen M, Pereboom R, Robben S , Burger B, Witlox M, Witbreuk M	Treatment of decentered developmental dysplasia of the hip under the age of 1 year: an evidence-based clinical practice guideline - Part 2	EFORT Open Rev. 2022 Aug 4;7(8):542-553. doi: 10.1530/EOR-21-0126.	4.775	GROW
171	Wodzig M, Peters M, Emanuel K, van Hugten P, Wijnen W, Jutten L, Boymans T, Loeffen D , Emans P	Minced autologous chondral fragments with fibrin glue as a simple promising one-step cartilage repair procedure: A clinical and MRI Study at 12-month follow-up	Cartilage. 2022 Dec;13(4):19-31. doi: 10.1177/19476035221126343. Epub 2022 Oct 28.	3.117	CAPHRI
172	Wolff L, Uniken Venema S, Luijten S, Hofmeijer J, Martens J, Bernsen M, van Es A, van Doormaal P, Dippel D, van Zwam W , van Walsum T, van der Lugt A, MR CLEAN Registry Investigators	Diagnostic performance of an algorithm for automated collateral scoring on computed tomography angiography	Eur Radiol. 2022 Aug;32(8):5711-5718. doi: 10.1007/s00330-022-08627-4. Epub 2022 Mar 4.	7.034	CARIM
173	Wolff L, Su J, Van Loon D, van Es A, van Doormaal P, Majoie C, van Zwam W , Dippel D, van der Lugt A, van Walsum T, MR CLEAN investigators	Inter-rater reliability for assessing intracranial collaterals in patients with acute ischemic stroke: comparing 29 raters and an artificial intelligence-based software	Neuroradiology. 2022 Dec;64(12):2277-2284. doi: 10.1007/s00234-022-02984-z. Epub 2022 May 24.	2.995	CARIM
174	Wolfs J, Qui S, Lobbess M , Bijkerk E, van der Hulst R, Keuter X	Visualization of both the superficial and deep lymphatic system of the upper extremity using Magnetic Resonance Lymphography	Lymphat Res Biol. 2022 Jun;20(3):275-281. doi: 10.1089/lrb.2021.0012. Epub 2021 Sep 2.	2.349	GROW
175	Wouters A, Robben D, Christensen S, Marquering H, Roos Y, van Oostenbrugge R, van Zwam W , Dippel D, Majoie C, Schonewille W, van der Lugt A, Lansberg M, Albers G, Suetens P, Lemmens R.	Prediction of stroke infarct growth rates by baseline perfusion imaging	Stroke. 2022 Feb;53(2):569-577. doi: 10.1161/STROKEAHA.121.034444. Epub 2021 Sep 30.	10.170	CARIM
176	Yan C, Wang L, Lin J, Xu J, Zhang T, Qi J, Li X, Ni W, W G, Huang J, Xu Y, Woodruff H, Lambin P	A fully automatic artificial intelligence-based CT image analysis system for accurate detection, diagnosis, and quantitative severity evaluation of pulmonary tuberculosis	Eur Radiol. 2022 Apr;32(4):2188-2199. doi: 10.1007/s00330-021-08365-z. Epub 2021 Nov 29.	7.034	GROW
177	Yan C, Hao P, Wu G, Lin J, Xu J, Zhang T, Li X, Li H, Wang S, Xu Y, Woodruff H, Lambin P	Machine learning-based combined nomogram for predicting the risk of pulmonary invasive fungal infection in severely immunocompromised patients	Ann Transl Med. 2022 May;10(9):514. doi: 10.21037/atm-21-4980.	3.616	GROW
178	Zhao M, Tse J, Kuczynski M, Brunet S, Yan R, Engelke K, Peters M , van den Berg J, van Rietbergen B, Stok K, Barnabe C, Pauchard Y, Manske S	Open-source image analysis tool for the identification and quantification of cortical interruptions and bone erosions in high-resolution peripheral quantitative computed tomography images of patients with rheumatoid arthritis	Bone. 2022 Dec;165:116571. doi: 10.1016/j.bone.2022.116571. Epub 2022 Sep 26.	4.626	CARIM
179	Zoetmulder R, Bruggeman A, Isgum I, Gavves E, Majoie C, Beenen L, Dippel D, Boedt N, den Hartog S, van Doormaal P, Cornelissen S, Roos Y, Brouwer J, Schonewille W, Pirson A, van Zwam W, van der Leij C, Brans R , van Es A, Marquering H, MR CLEAN Registry Investigators	Deep-learning-based thrombus localization and segmentation in patients with posterior circulation stroke	Diagnostics (Basel). 2022 Jun 6;12(6):1400. doi: 10.3390/diagnostics12061400.	3.992	CARIM
			Totale IF	1.626.514	
			Gemiddelde IF	9.138	

WI 2	Auteurs	Titel	Tijdschrift	School
1	Atkins K, Weiss J, Zeleznik R, Bitterman D, Chaunzwa T, Huynh E, Guthier C, Kozona D, Lewis J, Tamarappoo B, Nohria A, Hoffmann U, Aerts H , Mak R	Elevated coronary artery calcium quantified by a validated deep learning model from lung cancer radiotherapy planning scans predicts mortality	JCO Clin Cancer Inform. 2022 Jan;6:e2100095. doi: 10.1200/CCI.21.00095.	CARIM
2	Bell L, Lemos M, Mottaghy F , Lindner O, Heinzl A	Teaching of nuclear cardiology in times of pandemic: Transfer of a case-based interactive course from classroom to distance learning	Nuklearmedizin. 2022 Feb;61(1):6-15. doi: 10.1055/a-1697-7795. Epub 2022 Feb 4.	CARIM
3	Bijvoet G, Chaldoupi S, Bidar E, Holtackers R , Luermans J, Maesen B	Epicardial box lesion using bipolar biparietal radiofrequency and multimodality scar evaluation-a case series	Eur Heart J Case Rep. 2021 Dec 27;6(1):ytab530. doi: 10.1093/ehjcr/ytab530. eCollection 2022 Jan.	CARIM
4	Bijvoet G, Holtackers R , Nies H , Mihl C , Chaldoupi S	The role of interventional cardiac magnetic resonance (ICMR) in a typical atrial flutter ablation: The shortest path may not always be the fastest	Int J Cardiol Heart Vasc. 2022 Jun 28;41:101078. doi: 10.1016/j.ijcha.2022.101078. eCollection 2022 Aug.	CARIM
5	Boswijk E , de Ligt M, Habets M, Mingels A, van Marken Lichtenbelt W, Mottaghy F , Schrauwen P, Wildberger J , Bucerius J	Resveratrol treatment does not reduce arterial inflammation in males at risk of type 2 diabetes: a randomized crossover trial	Nuklearmedizin. 2022 Feb;61(1):33-41. doi: 10.1055/a-1585-7215. Epub 2021 Dec 16.	CARIM
6	Broen M, Beckers R, Willemsen, Huijs S, Pasmans R, Eekers D, Ackermans L, Beckervordersandforth J, van Raak E, Verduin M, Antrn M, Hoeben A, Postma A	Temporal muscle thickness as an independent prognostic imaging marker in newly diagnosed glioblastoma patients: A validation study	Neurooncol Adv. 2022 Mar 30;4(1):vdac038. doi: 10.1093/noonl/vdac038. eCollection 2022 Jan-Dec.	MHeNs
7	Desai P, Rimal R, Florea A , Gumerov R, Santi M, Sorokina A, Sahnoun S, Fischer T, Mottaghy F , Morgenroth A, Mourran A, Potemkin I, Möller M, Singh S	Tuning the elasticity of nanogels improves their circulation time by evading immune cells	Angew Chem Int Ed Engl. 2022 May 9;61(20):e202116653. doi: 10.1002/anie.202116653. Epub 2022 Apr 7.	CARIM/GROW
8	Haast R, De Coo I, Ivanov D, Khan A, Jansen J , Smeets H, Smeets H, Uludag K	Neurodegenerative and functional signatures of the cerebellar cortex in m.3243A > G patients	Brain Commun. 2022 Feb 3;4(1):fcac024. doi: 10.1093/braincomms/fcac024. eCollection 2022.	MHeNs
9	Van der Heijden C, Verheule S, Olsthoorn J, Mihl C , Poulina L, van Kuijk S, Heuts S, Maessen J, Bidar E, Maesen B	Postoperative atrial fibrillation and atrial epicardial fat: Is there a link?	Int J Cardiol Heart Vasc. 2022 Feb 21;39:100976. doi: 10.1016/j.ijcha.2022.100976. eCollection 2022 Apr.	CARIM
10	Hulsen D, Mitea C , Arts J, Loeffen D , Geurts J	Diagnostic value of hybrid FDG-PET/MR imaging of chronic osteomyelitis	Eur J Hybrid Imaging. 2022 Aug 1;6(1):15. doi: 10.1186/s41824-022-00125-6.	CAPHRI
11	Junghans M, Tijssen M	Postmortale MRI van de foetus	NVMBR Magazine 2022 III; 2209	GROW
12	Op den Kamp Y, Gemmink A, de Ligt M, Dautzenberg B, Kornips E, Jorgensen J, Schaart GG, Esterline R, A Pava D, Hoeks J, Schrauwen-Hinderling V , Kersten S, Havekes B, Koves T, Muoio D, Hesselink M, Oscarsson J, Phielix E, Schrauwen P	Effects of SGLT2 inhibitor dapagliflozin in patients with type 2 diabetes on skeletal muscle cellular metabolism	Mol Metab. 2022 Dec;66:101620. doi: 10.1016/j.molmet.2022.101620. Epub 2022 Oct 21.	NUTRIM
13	Kassem M , Nies K , Nederkoorn P, van Oostenbrugge R, Kooi M	Het aantonen van instabiliteit van arteria carotis interna-plaques met MRI	Tijdschrift voor Neurologie en Neurochirurgie (TNN); Nr 1Feb 2022	CARIM

14	Kemper C, Mihl C , Martens B , McDermott M , Hendriks B	Performance of Centargo: A novel piston-based injection system for high throughput in CE CT	Med Devices (Auckl). 2022 Apr 5;15:79-87. doi: 10.2147/MDER.S353221. eCollection 2022.		CARIM
15	Kemps G, Tijssen M , van de Berg R, Waterval J, Kunst D	Facial palsy and Valsalva-induced vertigo in a patient with temporal bone cystic fibrous dysplasia	Interdiscip Neurosurg. 2022 Dec; 30; 10.1016/j.inat.2022.101622		MHeNs
16	Knapen R , Postma A	Endovasculair behandelen van een herseninfarct ten gevolge van een a. basilaris-occlusie	Tijdschrift voor Neurologie en Neurochirurgie (TNN) 2022;123(7):346-7)		MHeNs
17	Van der Meer L , Bayoumy A, Otten J , Waterval J, Kunst H, Postma A	The association between radiological spreading pattern and clinical outcomes in necrotizing external otitis	J Otol. 2022 Jul;17(3):156-163. doi: 10.1016/j.joto.2022.05.002. Epub 2022 Jun 3.		MHeNs
18	Van Nijnatten T	Voorspellen noodzaak ingreep okselklieren bij borstkanker	Topic (Medisch Contact); 2022 Juni; nr 19		GROW
19	Potjewijd J, Tobal R, Silvertand D, Gietema H , Damoiseaux J, van Paassen P	Favorable long term effects of intensified immunosuppression combined with therapeutic plasma exchange in patients with early-onset progressive systemic sclerosis-related interstitial lung disease	J Transl Autoimmun. 2022 Nov 21;5:100174. doi: 10.1016/j.jtauto.2022.100174. eCollection 2022.		GROW
20	Pype L, Holtackers R , Paelinck B, Bekelaar T, Heidbuchel H, Van De Heyning C	Persistent microvascular obstruction-like lesion after ventricular tachycardia ablation detected by novel dark-blood late gadolinium enhancement	BJR Case Rep. 2022 Feb 2;8(3):20210124. doi: 10.1259/bjrcr.20210124. eCollection 2022 Sep.		CARIM
21	Schweitzer D, de Boer S , Bogie R, Keszhelyi D, Schweitzer DH, Bouwense S	Immediate coiling of a gastroduodenal arterial bleeding in a case of haemorrhagic shock without haematemesis, a case report	Ann Med Surg (Lond). 2022 Jul 12;80:104146. doi: 10.1016/j.amsu.2022.104146. eCollection 2022 Aug.		CARIM
22	Slegers R, Beckervordersandforth J, Hoebe A, Hoogland G, Broen M, Anten M, Dings J, van den Ende P, Henneman W , Schijns O	From a dysembryoplastic neuroepithelial tumor to a glioblastoma multiforme: Pitfalls of initial diagnosis on biopsy material, a case report	Surg Neurol Int. 2022 Feb 11;13:43. doi: 10.25259/SNI_1153_2021. eCollection 2022.		MHeNs
23	Slegers R, Bouwens van der Vlis T, Ackermans L, Hoebe A, Postma A , Compter I, Hoelijmakers 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 (Wien). 2022 Feb;164(2):423-427. doi: 10.1007/s00701-021-05035-3. Epub 2021 Oct 29.		MHeNs
24	Smaal J, Postma A , Beckervordersandforth J, Anten M	Primary bone destruction and extracranial metastases in an atypical glioblastoma with sarcomatoid features	BMJ Case Rep. 2022 Aug 18;15(8):e247248. doi: 10.1136/bcr-2021-247248.		MHeNs
25	Tijssen M , Hofman P , Robben S	Postmortem fetal temperature estimation with Magnetic Resonance Imaging: Apparent diffusion coefficient measurements in the vitreous body and cerebrospinal fluid	Top Magn Reson Imaging. 2022 Apr 1;31(2):25-30. doi: 10.1097/RMR.0000000000000295.		GROW

26	Tijssen M, Robben S, Klein W, Hofman P	Postmortem diffusion-weighted Magnetic Resonance Imaging of the brain in perinatal death: An animal control study to detect the influence of postmortem interval	Top Magn Reson Imaging. 2022 Oct 1;31(5):43-50. doi: 10.1097/RMR.0000000000000299.		GROW
27	Vandecaveye V, Dresen R, Pauwels E, van Binnebeek S, Vanslebrouck R, Baete K, Mottaghy F , Clement P, Nackaerts K, Van Cutsem E, Verslype C, De Keyzer F, Deroose C	Early whole-body diffusion-weighted MRI helps predict long-term outcome following peptide receptor radionuclide therapy for metastatic neuroendocrine tumors	Radiol Imaging Cancer. 2022 May;4(3):e210095. doi: 10.1148/rycan.210095.		GROW
28	Vrij C, Bouwens van der Vlis T, Tijssen M , Beckervordersandforth J, van Aalst J	The absence of the neuronal component in limited dorsal myelosis: A case report	Pediatr Neurosurg. 2022;57(2):127-132. doi: 10.1159/000522012. Epub 2022 Jan 17.	1.165	GROW
29	Wang Z, Zhang Z, Feng Y, Hendriks L, Miclea R, Gietema H , Schoenmaekers J, Dekker A, Wee L, Traverso A	Generation of synthetic ground glass nodules using generative adversarial networks (GANs)	Eur Radiol Exp. 2022 Nov 30;6(1):59. doi: 10.1186/s41747-022-00311-y.		GROW
30	Van de Weijer T, Broen M, Moonen R, Hoeben A, Anten M, Hovinga K, Compter I, van der Pol J, Mitea C, Lodewick T, Jacquerie A, Mottaghy F, Wildberger J, Postma A	18F-FET-PET/MRI in de neuro-oncologie: het beste van 2 werelden.	Tijdschrift voor Neurologie en Neurochirurgie (TNN) 2022;123(2):77-85		NUTRIM/ CARIM/MHeNs
31	Ye Z, Qian J, Hosny A, Zeleznik R, Plana D, Likitlersuang J, Zhang Z, Mak R, Aerts H, Kann B	Deep Learning-based detection of intravenous contrast enhancement on CT Scans	Radiol Artif Intell. 2022 May 4;4(3):e210285. doi: 10.1148/ryai.210285. eCollection 2022 May.		CARIM