

Steven Raeymaeckers
Practice assistant, Academic, UZB Physician
Faculty of Medicine and Pharmacy
Research Group on Emergency and Disaster Medicine
Basic (bio-) Medical Sciences
Basic (bio-) Medical Sciences

Radiology

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Jette

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Expertise

MD, Radiology.

Specializes in ultrasound-guided interventions and thyroid pathology.

Research into 4DCT and its role in parathyroid imaging.

President of the Medical Council University Hospital Brussels (UZB).

Employment

PhD, Faculty of Medicine and Pharmacy

Vrije Universiteit Brussel

Jette, Belgium

4 Jan 2021 → present

Research Group on Emergency and Disaster Medicine

Vrije Universiteit Brussel

Jette, Belgium

4 Jan 2021 → present

Practice assistant

Basic (bio-) Medical Sciences

Vrije Universiteit Brussel

Brussels, Belgium

1 Sep 2020 → 30 Sep 2024

Academic

Basic (bio-) Medical Sciences

Vrije Universiteit Brussel

Brussels, Belgium

15 Sep 2018 → 30 Sep 2024

UZB Physician

Radiology

UZBrussel

Jette, Belgium
1 Sep 2010 → present

Research outputs

790 Phase I clinical trial on intratumoral administration of autologous CD1c (BDCA-1)+/CD141 (BDCA-3)+ myeloid dendritic cells plus ipilimumab and AS01B in combination with intravenously administered nivolumab

Tijtgat, J., Schwarze, J. K., Vander Mijnsbrugge, A-S., Raeymaeckers, S., Van Riet, I., Geeraerts, X., Stevens, L., Tuybaerts, S. & Neyns, B., 7 Nov 2022, In: *Journal for immunotherapy of cancer*. 10, Suppl 2

Relative Perfusion Differences between Parathyroid Adenomas and the Thyroid on Multiphase 4DCT

Raeymaeckers, S. P. M. J., De Brucker, Y., Tosi, M., Buls, N. & De Mey, J., 20 May 2022, In: *International journal of biomedical imaging*. 2022, 7 p., 2984789.

High-Frequency Multiphase 4DCT Imaging

Raeymaeckers, S., Tosi, M., De Brucker, Y., Buls, N. & De Mey, J., 28 Jan 2022, *Advances in Medicine and Biology*. Nova Science Publishers, Vol. 195. p. 195-205 20 p.

4DCT for the Detection of Parathyroid Adenomas

Raeymaeckers, S., Tosi, M., Andreescu, C., Jacobs-Tulleneers-Thevissen, D. & De Mey, J., 28 Jan 2022, *Advances in Medicine and Biology*. Nova Science Publishers, Vol. 195. p. 139-169 30 p.

Lymphadenopathy after COVID-19 vaccination in patients with endocrine cancer: two case reports

Dirven, I., Bravenboer, B., Raeymaeckers, S. & Andreescu, C. E., 2022, In: *Endocrinology, diabetes & metabolism case reports*. 2022, 1, 5 p., 22-0258.

Undetectable thyroglobulin makes 123I whole-body scan and stimulated thyroglobulin obsolete in follow-up care of differentiated thyroid cancer: a retrospective study

Sol, B., Bravenboer, B., Velkeniers, B., Raeymaeckers, S., Keyaerts, M. & Andreescu, C. E., 19 Oct 2021, In: *Thyroid research*. 14, 1, 7 p., 23.

Subcutaneous emphysema of the extremities: Be wary of necrotizing fasciitis, but also consider occult rupture or perforation

Tosi, M., Al-Awa, A., Raeymaeckers, S. & De Mey, J., 21 Sep 2021, In: *Clinical Case Reports*. 9, 9, 3 p., e04831.

High frequency multiphase 4DCT for the detection of parathyroid adenomas, a pictorial essay

Raeymaeckers, S., Brucker, Y. D., Tosi, M., Buls, N. & Mey, J. D., 31 Jul 2021, In: *Journal of the Endocrine Society*. 5, 10, 6 p., bvab132.

Value of [11C]-Methionine PET/CT in Preoperative Localization of Parathyroid Adenomas

Saerens, J., Velkeniers, B., Keyaerts, M., Raeymaeckers, S., Vanhoeij, M., Blotwijk, S. & Bravenboer, B., Jul 2021, In: *Hormone and Metabolic Research*. 53, 7, p. 444-452 9 p.

Extensive cerebral venous sinus thrombosis with subarachnoid densities on NECT: subarachnoid versus pseudosubarachnoid haemorrhage

Baetslé, A., Wiels, W., Raeymaeckers, S. & De Mey, J., 22 Jun 2021, In: *European Radiology (Luxembourg)*. 2021, 4 p.

4DCT Scanning Technique for Primary Hyperparathyroidism: A Scoping Review

Raeymaeckers, S., Tosi, M. & De Mey, J., 21 May 2021, In: *Radiology research and practice*. 2021, 12 p.

Detection of parathyroid adenomas with multiphase 4DCT: towards a true four-dimensional technique

Raeymaeckers, S., De Brucker, Y., Vanderhasselt, T., Buls, N. & De Mey, J., 7 Apr 2021, In: *IEEE Transactions on Medical Imaging*. 21, 1, 11 p., 64.

Pneumorrhachis, an underreported sign associated with pneumomediastinum

Abid, W., Raeymaeckers, S. & De Mey, J., 1 Mar 2021, In: European Radiology (Luxembourg). 2021, 4 p.

Immune Checkpoint Inhibitor Therapy for ACTH-Secreting Pituitary Carcinoma: a new emerging treatment?

Sol, B., de Filette, J. M. K., Awada, G., Raeymaeckers, S., Aspeslagh, S., Andreescu, C. E., Neyns, B. & Velkeniers, B., Jan 2021, In: European Journal of Endocrinology. 184, 1, p. K1-K5 5 p.

Greater Trochanteric Pain Syndrome (Gtps) In Geriatric Patients: A Case Report

Gelders, J. M., Lieten, S., Raeymaeckers, S., Bautmans, I., Scheerlinck, T. & Mets, T., 2021, In: Journal of Aging Research and Gerontology Studies. 1, 1, p. 1-6 6 p.

Automated detection of vertebral fractures in CT using 3D convolutional neural networks

Nicolaes, J., Raeymaeckers, S., Robben, D., Wilms, G., Vandermeulen, D., Libanati, C. & DeBois, M., 22 Oct 2020, In: Bone Reports. 13, p. 68-69 2 p., 100539.

Automated detection of vertebral fractures in CT using 3D convolutional neural networks

Nicolaes, J., Raeymaeckers, S., Robben, D., Wilms, G., Vandermeulen, D., Libanati, C. & DeBois, M., 20 Oct 2020.

Ingestion of gelatinous candy, mimicking acute gastric bleeding

Galloo, X., Vander Kuylen, M., Tosi, M., De Mey, J. & Raeymaeckers, S., 1 Aug 2020, In: Clinical Case Reports. 8, 8, p. 1588-1589 2 p.

Synthetic MRI of Preterm Infants at Term-Equivalent Age: Evaluation of Diagnostic Image Quality and Automated Brain Volume Segmentation

Vanderhasselt, T., Naeyaert, M., Watté, N., Allemeersch, G-J., Raeymaeckers, S., Dudink, J., de Mey, J. & Raeymaekers, H., May 2020, In: American Journal of Neuroradiology. 41, 5, p. 882-888 7 p.

Detection of vertebral fractures in CT using 3D Convolutional Neural Networks

Nicolaes, J., Raeymaeckers, S., Robben, D., Wilms, G., Vandermeulen, D., Libanati, C. & Debois, M., 1 Feb 2020, In: Lecture Notes in Computer Science. 11963, p. 3-14 12 p.

Correlation between radiological and cytological preoperative risk stratification in thyroid nodules : a retrospective single center analysis

Jaspers, R., Vanhoeij, M., Verfaillie, G., Luyten, I., Raeymaeckers, S., Andreescu, C. & Jacobs-Tulleneers-Thevissen, D., 2020.

COVID19 Factcheck: Is er een verband tussen 5G straling en de uitbraak van het coronavirus?

Raeymaeckers, S., 2020, De Brandweer(m/v), 574, p. 36-39 4 p.

COVID19 Factcheck: Maskers beschermen niet enkel zorgverleners maar ook de algemene bevolking

Raeymaeckers, S., 2020, De Brandweer(m/v), 573.

Epidural ropivacaine infusion as part of a multimodal postoperative pain treatment following thoracolumbar spinal fusion surgery, a randomised controlled trial

Tosi, M., Bhutia, J. T., Scholliers, A., Raeymaeckers, S., Forget, P., Matic, M., Van Schaik, D., Vanden Eynde, S., Opsomer, T., Antunes da Silva, P. A. & Poelaert, J., 2020, In: Acta Anaesthesiologica Belgica. 71, 1, p. 197-201 5 p.

Intrathyroidal parathyroid carcinoma presenting as an asymptomatic hypercalcemia: a case report

Poortmans, N., Verfaillie, G., Unuane, D., Raeymaeckers, S. & Lamote, J., 21 Jun 2019, In: Acta Chirurgica Belgica. 2019, p. 1-4 4 p.

Risk of Malignancy of the Thyroid Nodule Evaluated by Scintigraphy

De Meyst, E., Bravenboer, B., Keyaerts, M., Raeymaeckers, S., Velkeniers-Hoebanckx, B. & Andreescu, C., 2019, In: Endocrine Abstracts. 64, p. 6-6 1 p.

Value of [11C]-methionine PET/CT in preoperative localization of adenomas in primary hyperparathyroidism

Saerens, J., Velkeniers-Hoebanckx, B., Vanhoeij, M., Keyaerts, M., Raeymaeckers, S. & Bravenboer, B., 2019, In: Endocrine Abstracts. 64, p. 10-10 1 p.

Wanneer de snelst adequate hulp niet adequaat blijkt.

Raeymaeckers, S., 2019, SPOEDmagazine, 2019, 1, p. 22-23.

Radioiodine treatment for euthyroid goiter: The evolution of thyroid volume, tests and occurrence of autoimmunity

Decommer, E., Hendrik, E., Raeymaeckers, S. & Velkeniers, B., 12 Oct 2018, In: Endocrine Abstracts. 57, p. 6-6 1 p., 11.

Exercise in knee osteoarthritis: do treatment outcomes relate to bone marrow lesions? A randomized trial

Beckwée, D., Vaes, P., Raeymaeckers, S., Shahabpour, M., Scheerlinck, T. & Bautmans, I., 28 Aug 2017, In: Disability and Rehabilitation. 39, 18, p. 1847-1855 9 p.

CAN MAGNETIC RESONANCE IMAGING PROVIDE ADDED VALUE TO EXERCISE PROGRAMS FOR KNEE OSTEOARTHRITIS?

Beckwee, D., Vaes, P., Raeymaeckers, S., Shahabpour, M., Scheerlinck, T. & Bautmans, I., Jul 2017, In: Osteoporosis International. 28, p. S242-S242

Splenic rupture, a rare complication following extracorporeal shock-wave lithotripsy

Raeymaeckers, S., De Coninck, V., Willekens, I. & De Mey, J., 1 May 2017, In: Journal of Clinical Urology. 10, 3, p. 186-188 3 p.

Een patiënt met hoog creatinine maar zonder nierfalen: omgekeerde auto-dialyse bij een patiënt met een blaasruptuur

Raeymaeckers, S., Tosi, M., Van Bael, K., Brussaard, C. & De Mey, J., 2016, In: Nederlands Tijdschrift voor Geneeskunde. 160, p. A9424

Progressive quadriplegia resulting from septic facet joint arthritis

Raeymaeckers, S., Nieboer, K. & De Mey, J., 1 Aug 2015, In: Journal Belge de Radiologie - Belgisch Tijdschrift voor Radiologie. 98, 1, p. 58-58 1 p.

Knee osteoarthritis and exercise: do bone marrow lesions relate to treatment outcomes?

Beckwee, D., Vaes, P., Raeymaeckers, S., Shahabpour, M., Scheerlinck, T. & Bautmans, I., Feb 2015, In: Tijdschrift voor Gerontologie en Geriatrie. 46, 1, 1 p.

High resolution imaging of scaphoid fracture with Herbert screw treatment: comparative findings on a cadaveric wrist with digital tomosynthesis, CT, CT with iterative reconstruction and cone beam CT

Buls, N., Scheerlinck, T., Van Gompel, G., Raeymaeckers, S., Scafoglieri, A., Kichouh, M. & De Mey, J., 2015, *High resolution imaging of scaphoid fracture with Herbert screw treatment: comparative findings on a cadaveric wrist with digital tomosynthesis, CT, CT with iterative reconstruction and cone beam CT.* ERC 2015, 10 p.

Splenic Rupture: A Rare Complication of Extracorporeal Shock Wave Lithotripsy

Willekens, I., Brussaard, C., Raeymaeckers, S., De Coninck, V. & De Mey, J., 2015, In: JBR-BTR. 99, 2, p. 58-60

Primaire stenting van de truncus coeliacus: Waardevol alternatief voor patiënten met het syndroom van Dunbar wanneer een chirurgische interventie geen optie is

Raeymaeckers, S., Ilsen, B., Van Tussenbroek, F. & De Mey, J., 1 Dec 2014, In: Tijdschrift voor Geneeskunde. 70, 23, p. 1396-1400 5 p.

Normal Elbow

Döring, S., Shahabpour, M., Raeymaeckers, S., Boulet, C. & Miller, T. (ed.), Nov 2014, *Musculoskeletal Imaging*. 2nd Edition ed. W.B. Saunders Ltd, p. 134-147

Een iatrogeno veroorzaakte pancreaticocutane fistel in de lies

Raeymaeckers, S., Brussaard, C. & De Mey, J., 15 Dec 2013, In: Tijdschrift voor Geneeskunde. 69, 24, p. 1206-1208 3 p.

MRI-findings of nodular lesions in an enlarged spleen, associated with visceral Leishmaniasis

Raeymaeckers, S., Docx, M. & Demeyere, N., Oct 2012, In: EUROPEAN JOURNAL OF RADIOLOGY. 81, 10, p. 2550-2553 4 p.

Prevalence, characteristics, and predictors of pulmonary vein narrowing after isolation using the pulmonary vein ablation catheter

De Greef, Y., Tavernier, R., Raeymaeckers, S., Schwagten, B., Desurgeloose, D., De Keulenaer, G., Stockman, D., De Buyzere, M. & Duytschaever, M., Feb 2012, In: Circulation: Arrhythmia and Electrophysiology. 5, 1, p. 52-60 9 p.

Prevalence, characteristics and predictors of pulmonary vein narrowing after PVAC ablation

De Greef, Y., Tavernier, R., Raeymaeckers, S., Schwagten, B., Desurgeloose, D., De Keulenaer, G., Stockman, D. & Duytschaever, M., Oct 2011, In: Acta Cardiologica. 66, 5, p. 682-683

Image Quality Phantom in Close Compliance with the ICRU-44 Breast Tissue Substitute Standard and Realistic Background Noise Pattern for Digital Breast Tomosynthesis

Raeymaeckers, S., Buls, N., Van Gompel, G., Breucq, C. & de Mey, J., 2010, *DIGITAL MAMMOGRAPHY*. Vol. 6136. p. 556-560 5 p. (Lecture Notes in Computer Science; vol. 6136).

Activities

MOVUB Lentesymposium

Steven Raeymaeckers (Chair), Piet Hoebeke (Visitor), Dirk Devroey (Visitor) & Jozef Van Bellingen (Visitor)
26 Mar 2022

Automated MTA alternative based on icobrain dm for assessment of medial temporal lobe atrophy in clinical routine MRI

Gert-Jan Allemeersch (Speaker), Steven Raeymaeckers (Contributor) & Johan De Mey (Contributor)
2022 → ...

Automated MTA alternative based on icobrain dm for assessment of medial temporal lobe atrophy in clinical routine MRI

Gert-Jan Allemeersch (Speaker), Steven Raeymaeckers (Contributor) & Johan De Mey (Contributor)
2022 → ...

European Radiology (Journal)

Steven Raeymaeckers (Peer reviewer)
2022 → ...

High frequency multiphase 4DCT for the detection of parathyroid adenomas. How we do it.

Steven Raeymaeckers (Speaker), Yannick De Brucker (Contributor) & Johan De Mey (Contributor)
2022 → ...

High frequency multiphase 4DCT for the detection of parathyroid adenomas. How we do it.

Steven Raeymaeckers (Speaker), Yannick De Brucker (Contributor) & Johan De Mey (Contributor)
2022 → ...

LOK

Steven Raeymaeckers (Chair), Inneke Willekens (Organiser), Gert-Jan Simon H Allemeersch (Participant), Dries Belsack (Participant), Ariane De Bondt (Participant), Yannick De Brucker (Participant), Bruno Deboeck (Participant), Alexandre Dumarey (Participant), Caroline Ernst (Participant), Ieva Garkalne (Participant), Tim Vanderhasselt (Participant) & Hannes Devos (Participant)
16 Dec 2021

RSNA

Steven Raeymaeckers (Participant), Johan De Mey (Participant), Hans Nieboer (Participant), Frederik Vandenbroucke (Participant), Hannes Devos (Participant), Gert-Jan Simon H Allemeersch (Participant), Dries Belsack (Participant), Nico Buls (Participant), Gert Van Gompel (Participant) & Filip Verhelle (Participant)
27 Nov 2021 → 2 Dec 2021

LOK

Steven Raeymaeckers (Participant), Inneke Willekens (Organiser), Ieva Garkalne (Chair), Gert-Jan Simon H Allemeersch (Participant), Dries Belsack (Participant), Ariane De Bondt (Participant), Yannick De Brucker (Participant), Bruno Deboeck (Participant), Hannes Devos (Participant), Alexandre Dumarey (Participant), Caroline Ernst (Participant) & Tim Vanderhasselt (Participant)
27 Oct 2021

LOK

Steven Raeymaeckers (Organiser), Inneke Willekens (Chair), Gert-Jan Simon H Allemeersch (Participant), Dries Belsack (Participant), Ariane De Bondt (Participant), Yannick De Brucker (Participant), Bruno Deboeck (Participant), Hannes Devos (Participant), Alexandre Dumarey (Participant), Caroline Ernst (Participant), Ieva Garkalne (Participant) & Tim Vanderhasselt (Participant)
11 Aug 2021

LOK

Steven Raeymaeckers (Chair), Inneke Willekens (Organiser), Lode Goethals (Participant), Marijana Antic (Participant), Cedric Boulet (Participant), Mimoun Kichouh (Participant), Floris De Munck (Participant), Ieva Garkalne (Participant), Caroline Ernst (Participant), Yannick De Brucker (Participant), Hannes Devos (Participant), Alexandre Dumarey (Participant), Dries Belsack (Participant), Gert-Jan Simon H Allemeersch (Participant), Ariane De Bondt (Participant), Bruno Deboeck (Participant) & Tim Vanderhasselt (Participant)
15 Jun 2021

An unusual case of lymphangioliomyomatosis

Alexandre Al-Awa (Speaker) & Steven Raeymaeckers (Contributor)
27 Apr 2021

European radiology (Journal)

Steven Raeymaeckers (Peer reviewer)
2021 → ...

International Journal of Endocrinology (Journal)

Steven Raeymaeckers (Peer reviewer)
2021 → ...

Correlation between radiological and cytological preoperative risk stratification in thyroid nodules: a retrospective single center analysis

Rani Jaspers (Speaker), Marian Vanhoeij (Contributor), Guy Verfaillie (Contributor), Ine Luyten (Contributor), Steven Raeymaeckers (Contributor), Corina Andreescu (Contributor) & Daniel Jacobs-Tulleneers-Thevissen (Contributor)
26 Nov 2020

BMJ Case Reports (Journal)

Steven Raeymaeckers (Peer reviewer)
2020 → ...

Automated detection of vertebral fractures in CT using 3D Convolutional Neural Networks

Joeri Nicolaes (Speaker), David Robben (Contributor), Guido Wilms (Contributor), Dirk Vandermeulen (Contributor), Cesar Libanati (Contributor), Marc DeBois (Contributor) & Steven Raeymaeckers (Contributor)
8 Dec 2019

RSNA 2020

Steven Raeymaeckers (Participant)
2 Dec 2019

Detection of vertebral fractures in CT using 3D Convolutional Neural Networks

Joeri Nicolaes (Speaker), David Robben (Contributor), Guido Wilms (Contributor), Dirk Vandermeulen (Contributor), Cesar Libanati (Contributor), Marc DeBois (Contributor) & Steven Raeymaeckers (Contributor)
17 Oct 2019

Symposium Medische Wereld

Steven Raeymaeckers (Advisor)
11 May 2019

MOVUB Lentesymposium

Steven Raeymaeckers (Organiser)
19 Mar 2019

Reanimatie voor ambulanciers: BLS (en ook een vleugje ALS)

Steven Raeymaeckers (Speaker) & Maurizio Tosi (Speaker)
13 Dec 2018

Detection of Parathyroid Adenomas with Wide-Beam Multiphase CT: Towards a True Four-Dimensional Visualization Technique with Quantitative Analysis of Perfusion Parameters

Steven Raeymaeckers (Speaker), Yannick De Brucker (Contributor) & Tim Vanderhasselt (Contributor)
26 Nov 2018

rsna

Steven Raeymaeckers (Participant)
25 Nov 2018

VUB INTERNATIONAL MEDICAL ALUMNI EVENT

Steven Raeymaeckers (Advisor)
24 Aug 2018

Symposium Medische wereld 2018

Steven Raeymaeckers (Advisor)
28 Apr 2018

MOVUB Lentesymposium

Steven Raeymaeckers (Organiser)
24 Mar 2018

Symposium Medische Wereld 2017

Steven Raeymaeckers (Advisor)
22 Apr 2017

MOVUB Lentesymposium

Steven Raeymaeckers (Organiser)
18 Mar 2017

Symposium Medische Wereld 2016

Steven Raeymaeckers (Advisor)
23 Apr 2016

MOVUB Lentesymposium

Steven Raeymaeckers (Organiser)
19 Mar 2016

symposium medische wereld 2015

Steven Raeymaeckers (Advisor)
25 Apr 2015

MOVUB Lentesymposium

Steven Raeymaeckers (Organiser)
21 Mar 2015

Journal of Clinical Urology (Journal)

Steven Raeymaeckers (Peer reviewer)
2015 → ...

Fine Needle Aspiration of Thyroid Nodules: Why, When and How to Do It

Steven Raeymaeckers (Speaker)
30 Nov 2014 → 5 Dec 2014

rsna 2014

Steven Raeymaeckers (Participant)
30 Nov 2014

The Embryology of the Inferior Vena Cava Explained, Where and How it Can Go Wrong

Steven Raeymaeckers (Speaker)
30 Nov 2014 → 5 Dec 2014

Fijne-naald aspiratie van de schildklier: Waarom, wanneer en hoe?

Steven Raeymaeckers (Speaker)
24 Apr 2014

MOVUB Lentesymposium

Steven Raeymaeckers (Organiser)
22 Mar 2014

An unusual meconium peritonitis with a happy ending.

Steven Raeymaeckers (Speaker), Irene Scheerder (Contributor), Annick Vorrsselmans (Contributor), Caroline Ernst (Contributor) & Toon De Backer (Contributor)
12 Dec 2013

It's not always gynecomastia!

Steven Raeymaeckers (Speaker), Marian Vanhoeij (Contributor), Moustapha Hamdi (Contributor) & Toon De Backer (Contributor)
12 Dec 2013

MOVUB Lentesymposium

Steven Raeymaeckers (Organiser)
23 Mar 2013

MOVUB Lentesymposium

Steven Raeymaeckers (Organiser)
24 Mar 2012

MOVUB Lentesymposium
Steven Raeymaeckers (Organiser)
19 Mar 2011

Image Quality Phantom in Close Compliance with the ICRU-44 Breast Tissue Substitute Standard and Realistic Background Noise Pattern for Digital Breast Tomosynthesis
Steven Raeymaeckers (Speaker)
16 Jun 2010

MOVUB Lentesymposium
Steven Raeymaeckers (Organiser)
20 Mar 2010

Image quality phantom for digital breast tomosynthesis
Steven Raeymaeckers (Speaker)
5 Feb 2010

Image Quality Phantom for Digital Breast Tomosynthesis
Steven Raeymaeckers (Speaker)
29 Nov 2009 → 4 Dec 2009