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## Ansættelse

Klinisk Institut  
SDU  
30. jan. 2025 → present

### Klinisk lektor

KI, OUH, Forskningsenhed for Klinisk fysiologi og nuklearmedicin (Odense)  
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## Publikationer

### Software Discrepancies in Radionuclide-Derived Left Ventricular Ejection Fraction

Kappel, R. H., Precht, H., Christensen, T. Q., Hess, S. & Kusk, M. W., 5. mar. 2025, I: Journal of Nuclear Medicine Technology. 53, 1, s. 36-43

### Role of FDG PET/CT in bacteremia and fever of unknown origin: a pictorial overview of finding the culprit

Nawwar, A. A., Hess, S., Leccisotti, L., Jamar, F., Noriega-Alvarez, E., Albano, D. & Gheysens, O., mar. 2025, I: Quarterly Journal of Nuclear Medicine and Molecular Imaging. 69, 1, s. 4-16

### Minimal dose CT for left ventricular ejection fraction and combination with chest-abdomen-pelvis CT

Kusk, M. W., Hess, S., Gerke, O., Kristensen, L. D., Oxlund, C. S., Ormstrup, T. E., Christiansen, J. M. & Foley, S. J., dec. 2024, I: European Journal of Radiology Open. 13, 12 s., 100583.

### The Diagnostic Yield of [<sup>18</sup>F]FDG-PET/CT in a Heterogeneous In-Patient Population with Suspected Infection or Inflammation Is Comparable to Findings in Patients with Classic Fever of Unknown Origin

Becker, K. K., Søholm, J. & Hess, S., 3. jul. 2024, I: Diagnostics. 14, 13, 13 s., 1420.

### EANM consensus document on the use of [<sup>18</sup>F]FDG PET/CT in fever and inflammation of unknown origin

Hess, S., Noriega-Álvarez, E., Leccisotti, L., Treglia, G., Albano, D., Roivainen, A., Glaudemans, A. W. J. M. & Gheysens, O., jul. 2024, I: European Journal of Nuclear Medicine and Molecular Imaging. 51, 9, s. 2597-2613

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Damkjær, M. W., Hess, S., Gerke, O., Jørgensen, K. J. & Schroll, J. B., 10. jun. 2024, I: Ugeskrift for Læger. 186, 12, 9 s., V06230404.

### The Role of Fibroblast Activation Protein Inhibitor Positron Emission Tomography in Inflammatory and Infectious Diseases: An Updated Systematic Review

Albano, D., Rizzo, A., Slart, R. H. J. A., Hess, S., Noriega-Álvarez, E., Wakfie-Corieh, C. G., Leccisotti, L., Glaudemans, A. W. J. M., Gheysens, O. & Treglia, G., jun. 2024, I: Pharmaceuticals. 17, 6, 716.

### Molecular Imaging Techniques in the Diagnosis and Monitoring of Infectious Diseases

Thorsen, M. E., Singh, S., Rewers, K., Werner, T. J., Alavi, A. & Hess, S., 2. apr. 2024, I: Current Treatment Options in Infectious Diseases. 16, s. 73–88

**Patients from general practice with non-specific cancer symptoms: a retrospective study of symptoms and imaging**  
de Chiffre, J. M. D., Ormstrup, T., Weber Kusk, M. & Hess, S., apr. 2024, I: *BJGP Open*. 8, 1, s. 1-11

**Role of PET/CT in diagnosing and monitoring disease activity in rheumatoid arthritis: a review**

Singh, S. B., Bhandari, S., Bhandari, S., Bhandari, S., Singh, R., Raynor, W. Y., Hess, S., Werner, T. J., Alavi, A. & Revheim, M. E., mar. 2024, I: *Annals of Nuclear Medicine*. 38, 3, s. 165-175

**[18F]FDG PET/CT for identifying the causes of fever of unknown origin (FUO)**

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**Extremely low-dose high-pitch helical CT with tin spectral filtration for planning of functional cardiac CT**

Weber Kusk, M., Gerke, O., Hess, S. & Foley, S., 21. dec. 2023, I: *Insights into Imaging*. 14, Suppl. 4, s. 47 1 s., RPS 414-7.

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Weber Kusk, M., Hess, S., Gerke, O. & Foley, S., 15. nov. 2023, I: *Tomography*. 9, 6, s. 2089-2102 14 s., 9060164.

**A randomised trial of [18F]PSMA-1007-PET/CT versus NaF-PET/CT for staging primary prostate cancer: A trial protocol**

Buch-Olsen, K. M., Poulsen, M. H., Hansen, S., Vilstrup, M. H., Holm, J., Hess, S., Holdgaard, P. C., Zieger, K. E. A., Madsen, S. S., Gerke, O., Pedersen, K. T., Dam, J. H., Langkjær, N., Østergaard, L. D., Asmussen, J. T., Braad, P. E., Nørgaard, B., Eiber, M. & Hildebrandt, M. G., sep. 2023, I: *BJUI Compass*. 4, 5, s. 513-522

**Quality Assessment Assistance of Lateral Knee X-rays: A Hybrid Convolutional Neural Network Approach**

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**Low-cost 3D-printed anthropomorphic cardiac phantom, for computed tomography automatic left ventricle segmentation and volumetry - A pilot study**

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### **A retrospective study of referral quality in suspected pulmonary embolism**

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### **Convolutional neural network performance compared to radiologists in detecting intracranial hemorrhage from brain computed tomography: A systematic review and meta-analysis**

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### **Respiratory Effects of Treatment with a Glucagon-Like Peptide-1 Receptor Agonist in Patients Suffering from Obesity and Chronic Obstructive Pulmonary Disease**

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### **Clinical presentation and treatment response in patients with polymyalgia rheumatica and giant cell arteritis during a 40-week follow-up**

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### **A Multicenter Randomized Controlled Trial comparing [18F]PSMA-1007-PET/CT with Conventional Imaging in Primary Staging of Prostate Cancer: PRISMA-PET**

Buch-Olsen, K. M., Vilstrup, M. H., Hess, S., Sørensen Madsen, S., Holdgaard, P. C., Dam, J. H., Hansen, S., Poulsen, M. H. & Hildebrandt, M. G., 20. okt. 2021.

### **A Multicenter Randomized Controlled Trial comparing [18F]PSMA-1007-PET/CT with Conventional Imaging in Primary Staging of Prostate Cancer (Vinder af posterprisen): PRISMA-PET**

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### **Designing an ultra-low dose protocol for CT Left Ventricular Function (LVEF) measurement, using 3D-printed phantoms and noise simulation in MATLAB.**

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### **Prognostic impacts of glucocorticoid treatment in patients with polymyalgia rheumatica and giant cell arteritis**

Emamifar, A., Ellingsen, T., Hermann, A. P., Hess, S., Gerke, O., Ahangarani Farahani, Z., Syrak Hansen, P., Jensen Hansen, I. M. & Thye-Rønn, P., 18. mar. 2021, I: *Scientific Reports*. 11, 10 s., 6220.

### **Value of regular endosonography and [18F]fluorodeoxyglucose PET-CT after surgery for gastro-oesophageal junction, stomach or pancreatic cancer**

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**NaF-PET/CT has very limited clinical impact as a routine adjunct to FDG-PET/CT in breast cancer staging**

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Hess, S., Scholtens, A. M. & Gormsen, L. C., apr. 2020, I: *PET Clinics*. 15, 2, s. 125-134

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Alavi, A., Hess, S., Werner, T. J. & Høilund-Carlsen, P. F., jan. 2020, I: *European Journal of Nuclear Medicine and Molecular Imaging*. 47, 1, s. 18-27

**A SINGLE-CENTER INVESTIGATION ON THE PREVALENCE OF MALIGNANCIES IN PATIENTS WITH POLYMYALGIA RHEUMATICA AND GIANT CELL ARTERITIS BY WAY OF 18F-FDG PET/CT: A PROSPECTIVE COHORT STUDY**

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**Clinical value of FDG-PET/CT in bacteremia of unknown origin with catalase-negative gram-positive cocci or *Staphylococcus aureus***

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Emamifar, A., Hermann, A. P., Ellingsen, T. J., Hess, S., Jensen Hansen, I. M. & Thye-Rønn, P., 1. maj 2019, I: *Osteoporosis International*. 30, Suppl 1, s. S89 1 s., P089.

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**STEROID TREATMENT MAY IMPROVE ARTERIAL STIFFNESS IN PATIENTSWITH POLYMYALGIA RHEUMATICA AND GIANT CELL ARTERITIS: A PROSPECTIVE COHORT STUDY.**

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**The impact of endoscopic ultrasound-guided fine-needle aspiration of lymph nodes on subsequent positron emission tomography/computed tomography imaging: A prospective study**

Bjerring, O. S., Hess, S., Fristrup, C. W., Høilund-Carlsen, P. F. & Mortensen, M. B., feb. 2019, I: *Endoscopy*. 51, 2, s. 165-168

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Kung, B. T., Seraj, S. M., Zadeh, M. Z., Rojulpote, C., Kotheekar, E., Ayubcha, C., Ng, K. S., Ng, K. K., Au-Yong, T. K., Werner, T. J., Zhuang, H., Hunt, S. J., Hess, S. & Alavi, A., 2019, I: *American Journal of Nuclear Medicine and Molecular Imaging*. 9, 6, s. 255-273

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**FDG-PET/CT Has a High Diagnostic Yield in Suspected Occult Cancer**

Giannoutsou, N., Caspersen, K. B., Gerke, O. & Hess, S., 1. okt. 2018, I: *European Journal of Nuclear Medicine and Molecular Imaging*. 45, Suppl. 1, s. S486-S487

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Høilund-Carlsen, P. F., Hess, S., Werner, T. J. & Alavi, A., jun. 2018, I: *European Journal of Nuclear Medicine and Molecular Imaging*. 45, 6, s. 893-897

**Molecular Imaging of Bacteria in Patients is an Attractive Fata Morgana, Not a Realistic Option**

Hess, S., Alavi, A., Werner, T. & Høilund-Carlsen, P. F., 1. apr. 2018, I: *The Journal of Nuclear Medicine*. 59, 4, s. 716-717

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**High incidence of osteoporosis and cachexia in patients with newly diagnosed polymyalgia rheumatic and giant cell arteritis: A cross-sectional analysis**

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Emamifar, A., Ellingsen, T. J., Hermann, A. P., Hess, S., Jensen Hansen, I. M. & Thye-Rønn, P., 2018.

**Response to "Comment on State-of-the-Art Imaging in Pulmonary Embolism: Ventilation/Perfusion Single-Photon Emission Computed Tomography versus Computed Tomography Angiography—Controversies, Results, and Recommendations from a Systematic Review"**

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**A systematic review and meta-analysis of FDG-PET/CT as a screening tool for occult malignancy in unprovoked venous thromboembolism. A systematic review and meta-analysis of FDG-PET/CT as a screening tool for occult malignancy in unprovoked venous thromboembolism**

Hess, S., Frary, E. C., Høilund-Carlsen, P. F. & Gerke, O., 1. okt. 2017, I: European Journal of Nuclear Medicine and Molecular Imaging. 44, 2 Suppl. , s. 762 1 s., EP-0777.

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**FFR<sub>CT</sub> to predict coronary revascularization - a real-world experience**

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Hess, S., Zhu, H., Salavati, A., Goris, M., Høilund-Carlsen, P. F. & Alavi, A., 2014, I: The Journal of Nuclear Medicine. 55, 1 (Suppl.), 1261.

### **Prognosis in patients with suspected or known ischemic heart disease and normal myocardial perfusion: Long-term outcome and temporal risk variations**

Simonsen, J. A., Gerke, O., Rask, C., Tamadoni, S. M., Thomassen, A., Hess, S., Johansen, A., Mickley, H., Jensen, L. O., Hallas, J., Vach, W. & Høilund-Carlsen, P. F., 1. jun. 2013, I: Journal of Nuclear Cardiology. 20, 3, s. 347-357

### **The effect of aging on aortic atherosclerotic plaque inflammation and molecular calcification: A FDG and NaF PET CT imaging study**

Blomberg, B., Thomassen, A., Hildebrandt, M., Vilstrup, M. H., Nielsen, A. L., Simonsen, J. A., Hess, S., Alavi, A. & Høilund-Carlsen, P. F., jun. 2013.

### **The relation between aging, aortic NaF avidity and coronary artery NaF avidity: A NaF PET CT study**

Blomberg, B., Thomassen, A., Hildebrandt, M., Vilstrup, M. H., Nielsen, A. L., Simonsen, J. A., Hess, S., Alavi, A. & Høilund-Carlsen, P. F., jun. 2013.

### **Bjørn Ibsen**

Hess, S., 2013

### **Clinical value of FDG-PET/CT in suspected occult cancer**

Hess, S., Nielsen, A. L., Thomassen, A., Petersen, H. & Høilund-Carlsen, P. F., 2013, I: European Journal of Nuclear Medicine and Molecular Imaging. Volume 40, Suppl. 2, s. 381 P336.

### **Clinical value of FDG-PET/CT in suspected occult malignancies**

Hess, S., Nielsen, A. L., Thomassen, A., Petersen, H. & Høilund-Carlsen, P. F., 2013.

### **Deep venous thrombosis and pulmonary embolism detected by FDG PET/CT in a patient with bacteremia**

Nielsen, A. L., Thomassen, A., Hess, S., Alavi, A. & Høilund-Carlsen, P. F., 2013, I: Clinical Nuclear Medicine. 38, 4, s. 276-7 2 s.

### **Diagnostic Value of FDG-PET/CT in Laryngeal Nerve Palsy**

Nielsen, A. L., Thomassen, A., Hess, S., Petersen, H., Johansen, A., Rohde, M., Rørbæk Madsen, A., Godballe, C. & Høilund-Carlsen, P. F., 2013, I: European Journal of Nuclear Medicine and Molecular Imaging. 40, Suppl 2, s. 251-251 OP706.

**FDG-PET/CT for venous thromboembolic disorders: Preliminary results**

Hess, S., Madsen, P. H., Iversen, E., Frifelt, J. J., Høilund-Carlsen, P. F. & Alavi, A., 2013.

**FDG-PET/CT for venous thromboembolic disorders: Preliminary results**

Hess, S., Madsen, P. H., Iversen, E., Frifelt, J. J., Høilund-Carlsen, P. F. & Alavi, A., 2013.

**Personen bag navnet: James Paget**

Hess, S., 2013

**Positron emission tomography in chronic obstructive pulmonary disease**

Madsen, P. H., Hess, S., Høilund-Carlsen, P. F. & Alavi, A., 2013, I: Hellenic Journal of Nuclear Medicine. 16, 2, s. 121-124

**The effect of aging on aortic atherosclerotic plaque inflammation and molecular calcification: A FDG and NaF PET CT imaging study**

Blomberg, B., Thomassen, A., Hildebrandt, M., Vilstrup, M. H., Nielsen, A. L., Simonsen, J. A., Hess, S., Alavi, A. & Høilund-Carlsen, P. F., 2013, I: The Journal of Nuclear Medicine. s. 405-406

**The relation between aging, aortic NaF avidity and coronary artery NaF avidity: A NaF PET CT study**

Blomberg, B., Thomassen, A., Hildebrandt, M., Vilstrup, M. H., Nielsen, A. L., Simonsen, J. A., Hess, S., Alavi, A. & Høilund-Carlsen, P. F., 2013, I: The Journal of Nuclear Medicine. 54, Suppl. 2, s. 405

**A case of unexplained hypoxemia**

Madsen, P. H., Hess, S. & Madsen, H. D., 2012, I: Respiratory Care. 57, 11, s. 1963-64 s.

**Antoine Leeuwenhoek**

Hess, S., 2012

**Clinical value of FDG-PET/CT in suspected paraneoplastic syndromes**

Hess, S., Grupe, P., Nielsen, A. L., Thomassen, A., Petersen, H. & Høilund-Carlsen, P. F., 2012.

**Clinical value of FDG-PET/CT in suspected vascular graft infection**

Pedersen, K. T., Hess, S., Vind, S. H., Baudier, F., Gerke, O. & Høilund-Carlsen, P. F., 2012.

**Fra Star Fleet Medical's arkiver – De farlige stråler**

Hess, S., 2012, 6 s. Trekkies.dk - Den danske Star Trek Fanklub.

**Hepatopulmonalt syndrom**

Madsen, P. H., Hess, S., Laursen, S. B., Christiansen, A. & Laursen, C. B., 2012, www.lungemedicin.dk

**Influence of Perfusion Defects on Survival after Coronary Revascularization**

Simonsen, J. A., Gerke, O., Tamadoni, M., Rask, C. K., Thomassen, A., Hess, S., Johansen, A., Mickley, H., Jensen, L. O., Hallas, J. & Høilund-Carlsen, P. F., 2012, I: European Journal of Nuclear Medicine and Molecular Imaging. 39, Suppl 2, s. S180-S181

**Personen bag navnet: Charles H. McBurney**

Hess, S., 2012

**Potential role of FDG PET/CT imaging for assessing venous thromboembolic disorders**

Hess, S., Madsen, P. H., Basu, S., Høilund-Carlsen, P. F. & Alavi, A., 2012, I: Clinical Nuclear Medicine. 37, 12, s. 1170-23 s.

### **Tuberkulose som folkesygdom**

Hess, S., 2012, I: Dansk Medicin-Historisk Årbog.

### **Fra Star Fleet Medical's arkiver - personen bag navnet: Marie Curie: Personen bag navnet: Marie Curie**

Hess, S., 2011, I: Trekkies.dk. 16, 1, 3 s.

### **Nuklearmedicin - en introduktion**

Hess, S. & Hesse, B., 2011, *Klinisk Nuklearmedicin*. Christensen, C. B., Loft, A. & Hesse, B. (red.). 2. udg. Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin, s. 10-15

### **PET/CT without capacity limitations: a Danish experience from a European perspective**

Høilund-Carlsen, P. F., Gerke, O., Vilstrup, M. H., Nielsen, A. L., Thomassen, A., Hess, S., Høilund-Carlsen, M., Vach, W. & Petersen, H., 2011, I: *European Radiology*. 21, 6, s. 1277-1285 9 s.

### **Rene Laënnec: En kort biografi**

Hess, S., 2011

### **Respirationsorganerne**

Mortensen, J., Fischer, M. & Hess, S., 2011, *Klinisk Nuklearmedicin*. Christensen, C. B., Loft, A. & Hesse, B. (red.). 2. udg. Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin, s. 75-91

### **Virginia Apgar. Personen bag navnet**

Hess, S., 2011

### **Christiaan Barnard: En kort biografi**

Hess, S., 2010

### **Clinical value of PET/CT in bacteraemia of unknown origin: Results from an observational pilot study.**

Hess, S., Vind, S. H., Skarphédinsson, S., Pedersen, C., Kolmos, H. J., Gerke, O. & Høilund-Carlsen, P. F., 2010, I: *European Journal of Nuclear Medicine and Molecular Imaging*. 37, supplement 2, s. S468

### **Clinical value of PET/CT in bacteraemia of unknown origin: Results from an observational pilot study**

Hess, S., Vind, S. H., Skarphédinsson, S., Pedersen, C., Kolmos, H. J., Gerke, O. & Høilund-Carlsen, P. F., 2010.

### **Et strålende speciale: Glimt af nuklearmedicinens historie i Danmark**

Hess, S., 2010, I: Dansk Medicin-Historisk Årbog. 2010, s. 93-116 23 s.

### **Fra Star Fleet Medical's arkiver: Lægen i krig og patienten i krise**

Hess, S., 2010, 5 s. København : Trekkies.dk - Den danske Star Trek Fanklub.

### **Fra Star Trek Medical's arkiver: Personen bag navnet: Alexander Fleming**

Hess, S., 2010, 2 s. København : Trekkies.dk - Den danske Star Trek Fanklub.

### **Medicinhistorisk quiz: No. 6**

Hess, S., 2010

### **Personen bag navnet: Vladimir Beckett**

Hess, S., 2010

### **Possible role of PET/CT in infective endocarditis**

Haase Vind, S. & Hess, S., 2010, I: *Journal of Nuclear Cardiology*. 17, 3, s. 516-9 4 s.

**Terapeutiske konsekvenser ved lungeskintigrafi med intermediaer sandsynlighed for lungeemboli**

Marmolin, E. S., Møller, L., Johansen, A., Madsen, P. H. & Hess, S., 4. maj 2009, I: Ugeskrift for Læger. 171, 19, s. 1594-7 3 s.

Fra Star Fleet Medical's arkiver: Fremtidens lægeetik

Hess, S., 2009, 5 s. København : Trekkies.dk - Den danske Star Trek Fanklub.

Fra Star Fleet Medical's arkiver: Akutmedicin og kunstige organer

Hess, S., 2009, 5 s. København : Trekkies.dk - Den danske Star Trek Fanklub.

**Personen bag navnet: Christian Gram: Historisk vignet for Historisk Udvalg under Lægekredsföreningen for Region Syddanmark**

Hess, S., 2009

**Circulating vasomodulators in acute pulmonary embolism**

Madsen, P. H., Hess, S., Gerke, O., Høilund-Carlsen, P. F., Videbæk, L., Gill, S., Andersen, P. E. & Bie, P., 2008.

**Erfaringer med PET/CT-skanning ved infektionsmistanke**

Hess, S., 2008.

**First experience with FDG PET/CT in fever of unknown origin**

Hess, S. & Vind, S. H., 2008.

Fra Star Fleet Medical's arkiver: Medicinsk udstyr

Hess, S., 2008, 5 s. København : Trekkies.dk - Den danske Star Trek Fanklub.

**Kort artikel om aspirins historie og kort biografi om H.C. Hagedorn**

Hess, S., 2008, I: Syddanske Læger. 3, 4, s. 32-33

**Korte biografier om Emil Theodor Kocher og Jacob Winsløw**

Hess, S., 2008, I: Syddanske Læger. 2, s. 34-35

**Korte biografier om William Harvey og Ole Chievitz**

Hess, S., 2008, I: Syddanske Læger. 3, 6, s. 22-23

**Lægekredsföreningen - goddag og farvel**

Sørensen, T., Diernæs, E., Hess, S. & Østergaard, A., 2008, I: Syddanske Læger. 3, 6, s. 6-9

**Medicin-historisk Quiz**

Hess, S., 2008, I: Syddanske Læger. 1, s. 17

**Medicin-historisk Quiz**

Hess, S., 2008, I: Syddanske Læger. 3, 3, s. 34

**Medicin-historisk Quiz**

Hess, S., 2008, I: Syddanske Læger. 3, 5, s. 19

**PET-CT til diagnostik af infektioner**

Hess, S., Vind, S. H. & Høilund-Carlsen, P. F., 2008, I: Ugeskrift for Læger. 170, 43, s. 3404-7

### **The impact of patient positioning on the detection of sentinel nodes in non-palpable breast cancer**

Falch Braas, K., Bøtker-Rasmussen, L., Hess, S., Gerke, O. & Johansen, A., 2008.

### **Circulating vasomodulators in acute pulmonary embolism**

Madsen, P. H., Hess, S., Gerke, O., Høilund-Carlsen, P. F., Videbæk, L., Gill, S., Andersen, P. E. & Bie, P., 2007.

### **Korte biografier om John Snow og Alexander Fleming**

Hess, S., 2007, I: Syddanske Læger. 6, s. 24-25

### **Lung scintigraphy: value of ventilation imaging and single photon emission computed tomography: Results of a pilot study**

Hess, S., Madsen, P. H., Andersen, P. E., Grupe, P. & Lund, J. O., 2007, I: European Journal of Nuclear Medicine and Molecular Imaging. 34, s. 268

### **Lung scintigraphy: value of ventilation imaging and single photon emission computed tomography: Results of a pilot study**

Hess, S., Madsen, P. H., Andersen, P. E., Grupe, P. & Lund, J. O., 2007.

### **Medicin-historisk Quiz**

Hess, S., 2007, I: Syddanske Læger. 5, s. 23

### **The impact of patient positioning on the detection of sentinel nodes in non-palpable breast cancer**

Falch Braas, K., Bøtker-Rasmussen, L., Hess, S., Gerke, O. & Johansen, A., 2007, I: European Journal of Nuclear Medicine and Molecular Imaging. 34, s. 402-403

### **Fra uransalte til positron emissionstomografi: Træk af nuklearmedicinens historie**

Høilund-Carlsen, P. F. & Hess, S., 2006, I: Bibliotek for Læger. 198, s. 332-375

### **Fra uransten til positron emissionstomografi - Træk af nuklearmedicinens historie**

Hess, S. & Høilund-Carlsen, P. F., 2006, I: Bibliotek for Læger. 197, 4, s. 332-375 43 s.

### **Billeddiagnostik ved akut lungeemboli: Om brug af spiralcomputertomografi, lungeskintigrafi og ekkokardiografi**

Hess, S., Madsen, P. H., Jørgensen, H. B. & Høilund-Carlsen, P. F., 2005, I: Ugeskrift for Læger. 167, 41, s. 3870-3875

### **Billeddiagnostisk håndtering af akut lungeemboli i Danmark: En rundspørge**

Madsen, P. H., Hess, S., Jørgensen, H. B. & Høilund-Carlsen, P. F., 2005, I: Ugeskrift for Læger. 167, 41, s. 3875-3877

## **Undervisningsportfolio**

### **FORMEL PÆDAGOGISK UDDANNELSE**

2019 Supervision af forskningsledere (RSD)

2016 Lederaspirantkursus

2007 Vejlederkursus

2005 Læringskursus

### **UDDANNELSESAADMINISTRATIVE OPGAVER**

2019-nu Medlem af lokal styregruppe for implementering af kandidatuddannelsen i medicin ved SVS Esbjerg/Syddansk Universitetshospital Esbjerg 2019-nu Modultovholder, K6 ("Nyresygdomme, onkologi, retsmedicin") ved kandidatuddannelsen i medicin ved SVS Esbjerg/Syddansk Universitetshospital Esbjerg

2018-nu Fagansvarlig, "Radiografi for kiropraktikstuderende", kandidatuddannelsen i klinisk biomekanik, SDU

2016-nu Delkursusleder, "Patofysiologi og billeddiagnostik ved infektions-/inflammationssygdomme og knogledidelser".

Speciallægeuddannelsen i klinisk fysiologi og nuklearmedicin

2014-nu Medlem af Dansk Selskab for Klinisk Fysiologi og Nuklearmedicins Efteruddannelsesudvalg

2013-2016 Daglig leder af Nuklearmedicinsk Afdelings (OUH) enhed for prægraduate forskningsårsstuderende

2010-13 Delkursusleder, "Teknologisk Medicinsk Billeddannelse" og "Funktionel Billeddannelse". Masteruddannelsen i Medicinsk Billeddiagnostik

2009-13 Initiativtager og delkursusleder, "Teoretisk kursus for introlæger". Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin

## ERFARING MED UNDERVISNING, VEJLEDNING OG EKSAMEN

*Undervisning, prægraduat* 2019-nu Radiografstuderende (nuklearmedicinsk linje): Klinik, patofysiologi og diagnostiske metoder "Infektion og inflammation", "Onkologi", "Klassisk nuklearmedicin" (18 lektioner/semester)  
2015-2018 Medicin, bachelor (modul B6: Klinisk Fysiologi): "Introduktion til klinisk fysiologi og nuklearmedicinske metoder" (2 lektioner/semester)  
2015 Civilingeniør i velfærdsteknologi, bachelor: "Videnskabsteori: Etik" (2 lektioner); "Videnskabsteori: Katastrofemedicin" (2 lektioner); "Basal fysiologi: Lungeemboli" (2 lektioner); "Basal fysiologi: Nuklearmedicin" (4 lektioner, inkl. Studiebesøg i afdelingen)  
2013-2018 Radiografstuderende (nuklearmedicinsk linje): "Infektion og inflammation: Patofysiologi og nuklearmedicinsk diagnostik" (3 lektioner/semester); "Prostatacancer: Patofysiologi og nuklearmedicinsk diagnostik" (2 lektioner/semester); "Neuroendokrine tumorer: Patofysiologi og nuklearmedicinsk diagnostik" (2 lektioner/semester)  
2008-09 Fysioterapeutstuderende: "Reumatologi" (4x4 lektioner/semester)  
2006-12 Stud. scient. (biomedicinsk linje): "Patofysiologiske begivenheder ved akut lungeemboli" (2 lektioner/semester)

### *Undervisning, postgraduat*

2017 Hoveduddannelsesforløbet i karkirurgi: "Billeddiagnostik ved karproteseinfektion" (1 lektion)  
2016-nu Hoveduddannelsesforløbet i klinisk fysiologi og nuklearmedicin: "Knogleskintigrafi" (2 lektioner/kursus); "PET/CT til infektion/inflammation" (3 lektioner/kursus)  
2012-nu Hoveduddannelsesforløbet i klinisk onkologi: "Kemoterapiens historie" (1 lektion/kursus); "Nuklearmedicinske metoder" (1 lektion/kursus)  
2010-2013 Masteruddannelse i Medicinsk Billeddiagnostik: "Introforelæsning – hvad kan billeder bruges til?" (1 lektion/semester); "Diagnostik af akut lungeemboli" (4 lektioner/semester); "Billeddiagnostik – et historisk overblik" (1 lektion/semester); "Knogleskintigrafi" (2 lektioner/semester); "Nuklearmedicinsk infektionsdiagnostik" (2 lektioner/semester); "Klinisk PET/CT" (2 lektioner/semester); "Medicinske stråleskader i historien" (1 lektion/semester)  
2009-2012 Teoretisk kursus for introduktionslæger i klinisk fysiologi og nuklearmedicin: "Nuklearmedicinsk infektionsdiagnostik" (1 lektion/kursus); "Klinisk PET/CT – en oversigt" (1 lektion/kursus); "Knogleskintigrafi" (1 lektion/kursus); "Lungeskintigrafi" (1 lektion/kursus)  
2005-nu Talrige foredrag/forelæsninger internt i diverse afdelinger for lægeligt og paralægeligt personale

### *Vejledning, medicinstuderende*

2018 Kandidatspeciale: "FDG-PET/CT as a Diagnostic Tool in Vascular Graft Infection – a Systematic Review and Meta-Analysis. Synnøve Klyve Sunde og Therese Beske.  
2017 Kandidatspeciale: "Value of FDG-PET/CT for treatment response in Tuberculosis - a systematic review and meta-analysis". Hannes Sjölander og Torbjørn Strømsnes.  
2016-2018 Kandidatspeciale (forskningsårsstuderende): "Clinical value of PET/CT in suspected serious disease/occult cancer – a retrospective study". Kamilla B. Caspersen  
2016 Kandidatspeciale: "Role of PET/CT in metastases of unknown primary - A systematic review and meta-analysis". Synne A. Berglin  
2015 Kandidatspeciale (forskningsårsstuderende): "Spondylitis and Spondylodiscitis Treatment and Recurrence Imaging". Jens Guldborg (forløbet afbrudt)  
2015 Kandidatspeciale (forskningsårsstuderende): "Prognostic evaluation of 18F-FDG-PET/CT in endometrial cancer - a retrospective study". Annette A. Lund  
2015 Kandidatspeciale (forskningsårsstuderende): "The Role of FDG-PET/CT in Preoperative Staging of Sentinel Lymph Node Biopsy Positive Melanoma Patients". Evan C. Frary  
2015 Kandidatspeciale (forskningsårsstuderende): "[18F]Fluoro-D-Mannose (FDM) is a potential new tracer for inflammatory bowel disease". Sofus Rønne Soltau  
2014 Kandidatspeciale (forskningsårsstuderende): "Clinical value of FDG-PET/CT in bacteremia of unknown origin". Mette B. Brøndserud  
2014 Kandidatspeciale (forskningsårsstuderende): "Recurrence detection in pancreatic and gastric cancer: The value of semi-quantitative FDG-PET/CT". Jacob T. Friis  
2014 Kandidatspeciale (forskningsårsstuderende): "Quantification of diaschisis in gliomas: Potential prognostic implications". Eivind A. Segtnan  
2014 Kandidatspeciale: "A retrospective assessment of the impact of FDGPET/CT on the staging and treatment strategy of colorectal cancer". Rasmus K. Petersen  
2013 Kandidatspeciale: "Cost effectiveness of PET/CT: A systematic review". Ronnie Hermansson.  
2012 Kandidatspeciale: "Clinical value of PET/CT in fever of unknown origin". Rikke Andersen.  
2011 Kandidatspeciale: "Den supplerende værdi af SPECT/CT ved planar knogleskintigrafi hos patienter med malign sygdom". Anna Sörsjö og Rikke B. Andreasen.  
2009 Kandidatspeciale: "Førstelinje konsolideringsbehandling med 90Y-Ibritumomab Tiuxetan (Zevalin®) til follikulære non-Hodgkins lymfomer". Christian J. Lerche og Thomas Olsen  
2007 Kandidatspeciale: "Lungeskintigrafi: Terapeutiske konsekvenser". Louise Møller og Ea S. Marmolin

### *Vejledning, masterstuderende og PhD-studerende*

2017-nu "Effects of GLP-1 receptor agonist treatment on pulmonary function and quality of life in obese patients with chronic obstructive pulmonary disease. A prospective, randomized, placebo-controlled, double-blinded, parallel group, two-center trial for the evaluation of the effect of Liraglutide 3 mg daily on chronic obstructive pulmonary disease". Læge, PhD-stud. Ayse Dudu Altintas Dogan

2017-nu "Polymyalgia Rheumatica and Giant cell arteritis-three challenges- consequences of the vasculitis process, osteoporosis and malignancy". Læge, PhD-stud. Amir Emamifar  
2016 Masterprojekt (Master i Medicinsk Billeddiagnostik): "Agreement and Reliability of Lesion Detection in the Equine Metacarpo(tarso)phalangeal Joint Using Standing Low-field MRI and Arthroscopy". Dyrlæge, masterstuderende Lynette Ramsey  
2016 Masterprojekt (Master i Medicinsk Billeddiagnostik): "Can NaF PET/CT replace Bone scintigraphy when diagnosing prosthetic loosening? – a prospective comparative pilot study". Bioanalytiker, masterstuderende Susanne D. P. Lind  
2012 Masterprojekt (Master i Medicinsk Billeddiagnostik): "Den kliniske værdi af SPECT/CT hos patienter med knæsmærter efter indsættelse af total knæalloplastik". Bioanalytiker, masterstuderende Lasse K. Nielsen

#### *Censoropgaver*

2014-nu > 20 bachelor-/kandidatspecialer, medicin (fysiologi/billeddiagnostik)  
2014-nu Bachelorprojekter og diverse kliniske eksamener for radiografer og bioanalytikere inden for det nuklearmedicinske speciale

#### **METODER, MATERIALER OG REDSKABER**

2019 Auletta S, Christensen TQ, Hess S. "Hybrid SPECT/CT and PET/CT Imaging in Infectious Diseases. I: Signore A, Glaudemans AWJM (eds.). Nuclear Medicine in Infectious Diseases. Springer. [Lærebogskapitel]  
2017 Hess S, Madsen PH. "Radionuclide diagnostics for venous thromboembolism". I: Islam S (ed). Thrombosis and embolism. Elsevier. [Lærebogskapitel]  
2017 Madsen PH, Hess S. "Symptomatology, clinical presentation and basic work up in patients with suspected pulmonary embolism". I: Islam S (ed). Thrombosis and embolism. Elsevier. [Lærebogskapitel]  
2015 El-Haddad G, Hess S, Worsley D, Alavi A. "Chapter 32: Physiologic and Metabolic Study of Pulmonary Disorders Using Conventional Imaging Techniques and Positron Emission Tomography". I: Fishman AP (ed.). Fishman's Pulmonary Diseases and Disorders, 5th ed. McGraw Hill. [Lærebogskapitel]  
2012 "Kompendium i nuklearmedicin". Kitebog for yngre læger (tidl. udgaver 2004/2006)  
2011 Hess S, Hesse B. "Klinisk nuklearmedicin – en introduktion". I: Christensen CB, Jacobsen AL, Hesse B (red.). Klinisk Nuklearmedicin. DSKFNM. [Lærebogskapitel]  
2011 Mortensen J, Fischer BMB, Hess S. "Respirationsorganerne". I: Christensen CB, Jacobsen AL, Hesse B (red.). Klinisk Nuklearmedicin. DSKFNM. [Lærebogskapitel]  
2009 "Ledalloplastikker – et knogleskintigrafisk miniatlas". Kompendium for læger  
2005 Hess S, Madsen PH. "Om den akutte lungeemboli". Kompendium for læger

#### **UDDANNELSESUDVIKLING OG UNIVERSITETSPÆDAGOGISK (FØLGE)FORSKNING, HERUNDER PÆDAGOGISKE PRISER**

2016 Arbejdsgruppe vedr. nyt valgfrit praktikspor (paraklinik) på medicinstudiet  
2014 Arbejdsgruppe vedr. øget undervisning i nuklearmedicin på medicinstudiet  
2012 Tildelt "Årets Skintillator" – uddannelsespris indstiftet af yngre læger under Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin for at hædre en særlig indsats for videreuddannelsen inden for specialet. Tildelt for arbejdet med at oprette det første teoretiske kursus for introduktionslæger