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## Employment

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## Publications

### **An update on the unparalleled impact of FDG-PET imaging on the day-to-day practice of medicine with emphasis on management of infectious/inflammatory disorders**

Alavi, A., Hess, S., Werner, T. J. & Høilund-Carlsen, P. F., 4. Sep 2019, In : European Journal of Nuclear Medicine and Molecular Imaging. 7, 4, p. 255-265

### **FDG-PET/CT as a diagnostic tool in vascular graft infection: a systematic review and meta-analysis**

Sunde, S. K., Beske, T., Gerke, O., Langhoff Clausen, L. & Hess, S., Aug 2019, In : Clinical and Translational Imaging. 7, 4, p. 255-265

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

Brøndserud, M. B., Pedersen, C., Rosenvinge, F. S., Høilund-Carlsen, P. F. & Hess, S., Jun 2019, In : European Journal of Nuclear Medicine and Molecular Imaging. 46, 6, p. 1351-1358

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

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

### **High level of adherence to osteoporosis prophylaxis medications in steroid-treated polymyalgia rheumatica (pmr)/giant cell arteritis (gca) patients: A prospective cohort study**

Emamifar, A., Ellingsen, T. J., Hermann, A. P., Hess, S., Jensen Hansen, I. M. & Thye-Rønn, P., 1. May 2019, In : Osteoporosis International. 30, Supplement 1, p. S93 1 p., P099.

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

Emamifar, A., Ellingsen, T. J., Hess, S., Hansen, P. S. & Thye-Rønn, P., May 2019, In : Annals of the Rheumatic Diseases. 78, Suppl. 2, p. 427-428 THU0297.

### **Clinical value of 18F-FDG-PET/CT in suspected serious disease with special emphasis on occult cancer**

Caspersen, K. B., Giannoutsou, N., Gerke, O., Alavi, A., Høilund-Carlsen, P. F. & Hess, S., 25. Mar 2019, In : Annals of Nuclear Medicine. 33, 3, p. 184-192

### **PET Radiopharmaceuticals for Specific Bacteria Imaging: A Systematic Review**

Auletta, S., Varani, M., Horvat, R., Galli, F., Signore, A. & Hess, S., 6. Feb 2019, In : Journal of Clinical Medicine. 8, 2, 26 p., 197.

### **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., Frstrup, C. W., Hoilund-Carlsen, P. F. & Mortensen, M. B., Feb 2019, In : Endoscopy. 51, 2, p. 165-168

**Prospective Comparison of FFR Derived From Coronary CT Angiography With SPECT Perfusion Imaging in Stable Coronary Artery Disease: The ReASSESS Study**

Sand, N. P. R., Veien, K. T., Nielsen, S. S., Nørgaard, B. L., Larsen, P., Johansen, A., Hess, S., Deibjerg, L., Husain, M., Junker, A., Thomsen, K. K., Rohold, A. & Jensen, L. O., Nov 2018, In : JACC: Cardiovascular Imaging. 11, 11, p. 1640-1650

**FDG-PET/CT in venous thromboembolism: a systematic review**

Hess, S., Frary, E. C., Gerke, O., Werner, T., Alavi, A. & Høilund-Carlsen, P. F., Oct 2018, In : Clinical and Translational Imaging. 6, 5, p. 369-378

**[18F]Sodium fluoride positron emission tomography/computed tomography: a predictor of early rheumatoid arthritis? A case report**

Gram, S. B., Hess, S., Ahlquist, P., Høilund-Carlsen, P. F. & Ellingsen, T., Sep 2018, In : Scandinavian Journal of Rheumatology. 47, 5, p. 425-426

**Bone Marrow and NOT Bone Metastases is What 21st Century Diagnostic Imaging Must Focus upon when Looking for Skeletal Metastases**

Høilund-Carlsen, P. F., Hess, S. & Alavi, A., Jul 2018, In : Journal of Nuclear Medicine. 59, 7, 2 p., 1165.

**Cancer metastasizes to the bone marrow and not to the bone: time for a paradigm shift!**

Høilund-Carlsen, P. F., Hess, S., Werner, T. J. & Alavi, A., Jun 2018, In : European Journal of Nuclear Medicine and Molecular Imaging. 45, 6, p. 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, In : Journal of Nuclear Medicine. 59, 4, p. 716-717

**Regarding "18F-GP1, a Novel PET Tracer Designed for High-Sensitivity, Low-Background Detection of Thrombi"**

Alavi, A., Werner, T. J., Hess, S. & Høilund-Carlsen, P. F., 1. Feb 2018, In : Journal of Nuclear Medicine. 59, 2, p. 350-351

**Value of FDG-PET/CT for treatment response in tuberculosis: a systematic review and meta-analysis**

Sjölander, H., Strømsnes, T., Gerke, O. & Hess, S., 1. Feb 2018, In : Clinical and Translational Imaging. 6, 1, p. 19-29

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

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

**High level of adherence to osteoporosis prophylaxis medications in steroid-treated polymyalgia rheumatica (pmr)/giant cell arteritis (gca) patients: A prospective cohort study**

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

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

Akkan, D., Deibjerg Kristensen, L., Husain, M., Veien, K. T., Jensen, L. O., Junker, A., Korsgaard Thomsen, K., Roholt, A., Hess, S., Nørgaard, B. L., Larsen, P. V. & Rønnow Sand, N. P., 26. Aug 2017. 1 p.

**Polymyalgia rheumatica and giant cell arteritis-three challenges-consequences of the vasculitis process, osteoporosis, and malignancy: A prospective cohort study protocol**

Emamifar, A., Hess, S., Gerke, O., Hermann, A. P., Lastrup, H., Hansen, P. S., Thye-Rønn, P., Marcussen, N., Svendstrup, F., Gildberg-Mortensen, R., Bang, J. C., Farahani, Z. A., Chrysidis, S., Toftegaard, P., Andreasen, R. A., le Greves, S., Andersen, H. R., Olsen, R. N. & Hansen, I. M. J., Jun 2017, In : Medicine. 96, 26, 10 p., e7297.

**18F-FDG PET/CT for detection of the primary tumor in adults with extracervical metastases from cancer of unknown primary: A systematic review and meta-analysis**

Burglin, S. A., Hess, S., Høilund-Carlsen, P. F. & Gerke, O., Apr 2017, In : Medicine. 96, 16, 8 p., e6713.

**Cancer of unknown primary: Registered procedures compared with national integrated cancer pathway for illuminating external validity**

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**<sup>18</sup>F-fluoro-deoxy-glucose positron emission tomography combined with computed tomography can reliably rule-out infection and cancer in patients with anti-neutrophil cytoplasmic antibody-associated vasculitis suspected of disease relapse**

Frary, E. C., Hess, S., Gerke, O. & Lastrup, H., 2017, In : *Medicine*. 96, 30, 7 p., e7613.

**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., 2017, In : *European Journal of Nuclear Medicine and Molecular Imaging*. 44, 2 Suppl. , p. 762 1 p., EP-0777.

**Can semiquantitative measurements of SUVmax and cut-off values differentiate colorectal malignant from benign lesions?**

Nguyen, T., Hess, S., Petersen, H., Alavi, A. & Høilund-Carlsen, P. F., 2017, In : *Hellenic Journal of Nuclear Medicine*. 20, 2, p. 113-121

**Outcome of revascularisation in stable coronary artery disease without ischaemia: a Danish registry-based follow-up study**

Simonsen, J. A., Mickley, H., Johansen, A., Hess, S., Thomassen, A., Gerke, O., Jensen, L. O., Hallas, J., Vach, W. & Høilund-Carlsen, P. F., 2017, In : *BMJ Open*. 7, 8, 15 p., e016169.

**Positron emission tomography/computer tomography in gastrointestinal malignancies: current potential and challenges**

Tind, S., Vestergaard, S., Farahani, Z. A. & Hess, S., 2017, In : *Minerva Chirurgica*. 72, 5, p. 397-415

**Prognostic Evaluation of <sup>18</sup>F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography in Endometrial Cancer: A Retrospective Study**

Vilstrup, M. H., Jochumsen, K. M. & Hess, S., 2017, In : *International Journal of Gynecological Cancer*. 27, 8, p. 1675–1684

**Prognostic implications of total hemispheric glucose metabolism ratio in cerebro-cerebellar diaschisis**

Segtnan, E. A., Grupe, P., Jarden, J. O., Gerke, O., Ivanidze, J., Christlieb, S. B., Constantinescu, C. M., Pedersen, J. E., Houshmand, S., Hess, S., Zarei, M., Gjedde, A., Alavi, A. & Høilund-Carlsen, P. F., 2017, In : *Journal of Nuclear Medicine*. 58, p. 768-773

**Radionuclide Diagnosis of Pulmonary Embolism**

Hess, S. & Madsen, P. H., 2017, *Thrombosis and Embolism: from Research to Clinical Practice*. Islam, S. (ed.). Springer, Vol. 1. p. 49-65 (Advances in Experimental Medicine and Biology, Vol. 906).

**Reference values for fluorine-18-fluorodeoxyglucose and fluorine-18-sodium fluoride uptake in human arteries: a prospective evaluation of 89 healthy adults**

Blomberg, B. A., Thomassen, A., de Jong, P. A., Lam, M. G. E. H., Hess, S., Olsen, M. H., Mali, W. P. T. M., Alavi, A. & Høilund-Carlsen, P. F., 2017, In : *Nuclear Medicine Communications*. 38, 11, p. 998–1006

**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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**Symptomatology, Clinical Presentation and Basic Work up in Patients with Suspected Pulmonary Embolism**

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**FDG-PET/CT Findings in a Patient with Polymyalgia Rheumatica and Accompanying Remitting Seronegative Symmetrical Synovitis with Pitting Edema**

Emamifar, A., Hess, S., Jørgensen, E. Ø. & Jensen Hansen, I. M., Dec 2016, In : Razavi International Journal of Medicine. 4, 4, e40406.

**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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**Outcome with invasive versus medical treatment of stable coronary artery disease: influence of perfusion defect size, ischaemia, and ejection fraction**

Simonsen, J. A., Johansen, A., Gerke, O., Mickley, H., Thomassen, A., Hess, S., Rask, C. K., Tamadoni, S. M., Jensen, L. O., Hallas, J., Vach, W. & Høilund-Carlsen, P. F., 20. Feb 2016, In : EuroIntervention. 11, 10, p. 1118-24 7 p.

**<sup>18</sup>F-fluorodeoxy mannose (FDM) is a potential new tracer for inflammatory bowel disease**

Soltau, S. R., Hess, S., Olsen, B. B., Baun, C., Langkjær, N. & Høilund-Carlsen, P. F., 2016, In : European Journal of Nuclear Medicine and Molecular Imaging. 43, suppl. 1, p. S449 1 p., EP585.

**<sup>18</sup>F-Fluorodeoxy mannose (FDM) is a Potential New Tracer for Inflammatory Bowel Disease**

Christiansen, S. R., Hess, S., Olsen, B. B., Baun, C., Langkjær, N. & Høilund-Carlsen, P. F., 2016.

**Association of Remitting Seronegative Symmetrical Synovitis with Pitting Edema, Polymyalgia Rheumatica, and Adenocarcinoma of the Prostate**

Emamifar, A., Hess, S., Gildberg-Mortensen, R. & Jensen Hansen, I. M., 2016, In : American Journal of Case Reports. 17, p. 60-64

**Clinical significance of incidental focal bowel uptake on <sup>18</sup>F-FDG PET/CT as related to colorectal cancer**

Soltau, S. R., Hess, S., Nguyen, T., Gerke, O., Petersen, H., Alavi, A. & Høilund-Carlsen, P. F., 2016, In : Hellenic Journal of Nuclear Medicine. 19, 3, p. 245-249

**Emerging role of FDG-PET/CT as a diagnostic tool in detecting systemic and vascular inflammation in Psoriasis**

Fardin, S., Gholami, S., Hess, S. & Alavi, A., 2016, In : The Journal of Nuclear Medicine. 57, suppl 2, p. 1251

**FDG-PET/CT in Preoperative Staging of Sentinel Node Biopsy Positive Melanoma Patients: A One-Year Evaluation of a Novel Diagnostic Strategy**

Frary, C., Gad, D., Bastholt, L., Høilund-Carlsen, P. F. & Hess, S., 2016, In : European Journal of Nuclear Medicine and Molecular Imaging. 43, 1 Suppl., p. 321 1 p., EP201.

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Frary, E. C., Gad, D., Bastholt, L., Høilund-Carlsen, P. F. & Hess, S., 2016.

**Personalized Clinical Decision Making in Gastrointestinal Malignancies: The Role of PET**

Hess, S., Bjerring, O. S., Pfeiffer, P. & Høilund-Carlsen, P. F., 2016, In : P E T Clinics. 11, 3, p. 273-283

**PET-Based Personalized Management of Infectious and Inflammatory Disorders**

Hess, S., Alavi, A. & Basu, S., 2016, In : P E T Clinics. 11, 3, p. 351-361 4809.

**Polymyalgia Rheumatica (PMR) and Giant Cell Arteritis (GCA)-three challenges- Consequences of the Vasculitis process, Osteoporosis and Malignancy: A Study Protocol.**

Emamifar, A., Hørslev-Petersen, K., Hess, S. & Jensen Hansen, I. M., 2016.

### **Prognostic evaluation of <sup>18</sup>F-FDG-PET/CT in endometrial cancer**

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### **Reply to: "Comments on Kristensen et al.: Clinical value of FDG-PET/CT in suspected paraneoplastic syndromes: a retrospective analysis of 137 patients": By Betül Vatankulu, Sabire Yilmaz Aksoy, Sait Sager, Metin Halaç**

Kristensen, S. B., Hess, S., Petersen, H. & Høilund-Carlsen, P. F., 2016, In : European Journal of Nuclear Medicine and Molecular Imaging. 43, 3, p. 582 1 p.

### **The role of FDG-PET/CT in preoperative staging of sentinel lymph node biopsy-positive melanoma patients**

Frary, C., Gad, D., Bastholt, L. & Hess, S., 2016, In : EJNMMI Research. 6, 9 p., 73.

### **The strong but nonspecific relationship between <sup>18</sup>F-FDG uptake in the lower-extremity veins and venous thromboembolism**

Zhu, H. J., Hess, S., Rubello, D., Goris, M. L. & Alavi, A., 2016, In : Nuclear Medicine Communications. 37, 3, p. 322-328 7 p.

### **Total hemispheric glycolysis ratio by FDG-PET/CT in gliomas: Evaluating diaschisis and potential prognostic information**

Segtnan, E. A., Grupe, P., Gerke, O., Jarden, J. O., Christlieb, S. B., Constantinescu, C., Pedersen, JE., Houshmand, S., Hess, S., Zarei, M., Gjedde, A., Alavi, A. & Høilund-Carlsen, P. F., 2016, In : European Journal of Nuclear Medicine and Molecular Imaging. 43, 1 Suppl. 1, p. S266 1 p., EP037.

### **Total hemispheric glycolysis ratio by FDG-PET/CT in gliomas; Evaluating diaschisis and potential prognostic information**

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### **Nazistisk terror mod lægestanden: Lægemordene i Odense 20. februar 1945**

Jeune, B., Hess, S., Skytthe, A. & Stræde, T., 31. Dec 2015, In : Dansk Medicinhistorisk Aarbog. 2015, p. 153-186

### **Recurrence Detection in Pancreatic Cancer: The Value of Quantitative FDG-PET/CT**

Friis, J. T., Bjerring, O. S., Hildebrandt, M., Hess, S. & Høilund-Carlsen, P. F., 12. Mar 2015.

### **(<sup>18</sup>F)-Fluorodeoxyglucose PET/Computed Tomography for Primary Brain Tumors**

Antonsen Segtnan, E., Hess, S., Grupe, P. & Høilund-Carlsen, P. F., Jan 2015, In : P E T Clinics. 10, 1, p. 59-73

### **Cost-effectiveness of PET and PET/Computed Tomography: A Systematic Review**

Gerke, O., Hermansson, R., Hess, S., Schifter, S., Vach, W. & Høilund-Carlsen, P. F., Jan 2015, In : P E T Clinics. 10, 1, p. 105-124

### **An update on novel quantitative techniques in the context of evolving whole-body PET imaging**

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### **Assessment of the diagnostic performance of quantitative FDG-PET/CT parameters in the detection of vascular graft infection**

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### **Clinical value of FDG-PET/CT in suspected paraneoplastic syndromes: a retrospective analysis of 137 patients**

Kristensen, S. B., Hess, S., Petersen, H. & Høilund-Carlsen, P. F., 2015, In : European Journal of Nuclear Medicine and Molecular Imaging. 42, 13, p. 2056-2063

### **Contribution of FDG to Modern Medicine, Part II**

Hess, S. (ed.) & Høilund-Carlsen, P. F. (ed.), 2015, Elsevier. 124 p. (P E T Clinics; No. 1, Vol. 10).

### **Detection of deep vein thrombosis using FDG-PET/CT volumetric parameters: a diagnostic performance study**

Houshmand, S., Salavati, A., Hess, S., Høilund-Carlsen, P. F. & Alavi, A., 2015, In : Journal of Nuclear Medicine. 56, 3 (Supplement), p. 1724 1 p.

### **Disease Mapping in Anca Associated Vasculitis (AAV). Yield of FDG-PET/CT Imaging Versus a Conventional Clinico-Pathological Approach**

Lastrup, H., Velander, M. J., Junker, P. & Hess, S., 2015, In : Annals of the Rheumatic Diseases. 74, 2. Supplement, p. 1115 1 p., AB0648.

### **Efficacy of FDG PET/CT Imaging for Venous Thromboembolic Disorders: Preliminary Results From a Prospective, Observational Pilot Study**

Hess, S., Madsen, P. H., Iversen, E. D., Frifelt, J. J., Høilund-Carlsen, P. F. & Alavi, A., 2015, In : Clinical Nuclear Medicine. 40, 1, p. e23-e26

### **Evaluating Quantitative Measures in Incidental Colorectal PET Findings**

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### **FDG-PET/CT: Whither I go, thou canst not follow me now; but thou shalt follow me afterwards**

Hess, S. & Høilund-Carlsen, P. F., 2015, *Contribution of FDG to Modern Medicine*. Subramaniam, R. M. (ed.). Elsevier, Vol. II. p. xi-xiii (P E T Clinics; No. 2, Vol. 10).

### **FDG-PET/CT in ANCA associated vasculitis: an exploratory pilot study**

Hess, S., Velander, M. J., Høilund-Carlsen, P. F. & Lastrup, H., 2015, In : European Journal of Nuclear Medicine and Molecular Imaging. 42, 1 Supplement, p. 793-794 1 p., P951.

### **FDG-PET/CT in ANCA associated vasculitis: an exploratory pilot study**

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### **Feasibility of FDG PET in inflammatory bowel disease**

Christlieb, S. B., Hess, S. & Høilund-Carlsen, P. F., 2015, In : Current Molecular Imaging. 3, 3, p. 195-205

### **Inter-observer Variability Using ROVER® Software for Processing of Cerebral FDG-PET Studies**

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### **Physiologic and Metabolic Study of Pulmonary Disorders Using Conventional Imaging Techniques and Positron Emission Tomography**

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### **Primary brain tumor imaging biomarkers: a review of currently available PET and MR techniques**

Houshmand, S., Antonsen Segtnan, E., Hess, S., Werner, T. & Alavi, A., 2015, In : Journal of Nuclear Medicine. 56, Suppl. 1, 1894.

### **Recurrence detection in pancreatic cancer: The value of quantitative FDG-PET/CT**

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**The clinical value of FDG-PET/CT in bacteraemia of unknown origin: A retrospective study**

Brøndserud, M. B., Hess, S., Johansen, A., Pedersen, C. & Høilund-Carlsen, P. F., 2015, In : European Journal of Nuclear Medicine and Molecular Imaging. 42, 1 Supplement, p. 789 1 p., P942.

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**The FDG-PET revolution of medical imaging: four decades and beyond**

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**The role of volumetric <sup>18</sup>F-NaF PET/CT parameters in assessment of treatment response in patients with spinal stenosis undergoing spinal fusion surgery**

Houshmand, S., Salavati, A., Hess, S., Petersen, H., Kjær Jacobsen, M., Werner, T., Andersen, M. Ø., Alavi, A. & Høilund-Carlsen, P. F., 2015, In : Journal of Nuclear Medicine. 56, S3, 546.

**Thematic Issue: From Nuisance to State-of-the-Art: FDG-PET/CT Imaging of Infection and Inflammation [editorial]**

Høilund-Carlsen, P. F. & Hess, S., 2015, In : Current Molecular Imaging. 3, 3, p. 180-1

**Total metabolic Index; Inter-rater variability in quantifying cerebral hemispheric glucose metabolism in the course of treatment of glioma**

Antonsen Segtnan, E., Grupe, P., Jarden, J. O., Christlieb, S. B., Pedersen, J. E., Constantinescu, C., Gerke, O., Houshmand, S., Hess, S., Alavi, A. & Høilund-Carlsen, P. F., 2015, In : European Journal of Nuclear Medicine and Molecular Imaging. 42, 1 Supplement, p. 575-576 1 p., P491.

**Total metabolic Index; Inter-rater variability in quantifying cerebral hemispheric glucose metabolism in the course of treatment of glioma**

Antonsen Segtnan, E., Grupe, P., Jarden, J. O., Christlieb, S. B., Pedersen, J., Constantinescu, C., Gerke, O., Houshmand, S., Hess, S., Alavi, A. & Høilund-Carlsen, P. F., 2015.

**Carcinoma of the prostate, RS3PE and polymyalgia rheumatica: a case study**

Gildberg-Mortensen, R., Nielsen, L. K., Jørgensen, E. Ø., Hess, S. & Jensen Hansen, I. M., 20. Sep 2014, In : Scandinavian Journal of Rheumatology. 43, S127, p. 47 1 p., PP160.

**The diagnostic performance of FDG PET-CT in patients with polymyalgia rheumatica and giant cell arteritis**

Gildberg-Mortensen, R., Jørgensen, E. Ø., Hess, S. & Jensen Hansen, I. M., 20. Sep 2014, In : Scandinavian Journal of Rheumatology. 43, S127, p. 52 1 p., PP167.

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Ravina, M., Hess, S., Chauhan, M. S., Jacob, M. J. & Alavi, A., Sep 2014, In : Clinical Nuclear Medicine. 39, 9, p. 767-71

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**Historic images in nuclear medicine: 1976: the first issue of clinical nuclear medicine and the first human FDG study**

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**PET/CT - ej blot til kræft**

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**The pivotal role of FDG-PET/CT in modern medicine**

Hess, S., Blomberg, B. A., Zhu, H. J., Høilund-Carlsen, P. F. & Alavi, A., Feb 2014, In : Academic Radiology. 21, 2, p. 232-49

#### **18F-FDG PET/CT in Rheumatoid Arthritis: A Review**

Kristensen, S. B. & Hess, S., 2014, In : Current Molecular Imaging. 3, 3, p. 206-210

#### **18F-FDG-PET/CT in fever of unknown origin: clinical value**

Middelbo Buch-Olsen, K., Andersen, R. V., Hess, S., Braad, P-E. & Schifter, S., 2014, In : Nuclear Medicine Communications. 35, 9, p. 955-960

#### **A brief overview of novel approaches to FDG PET imaging and quantification**

Hess, S., Blomberg, B., Rakheja, R., Friedman, K., Kwee, T., Zhu, H., Høilund-Carsen, P. F. & Alavi, A., 2014, In : Clinical and Translational Imaging. 2, p. 187-198

#### **Applications of FDG-PET/CT in Assessment of Vascular Infection and Inflammation**

Gholami, S., Fardin, S., Houshmand, S., Hansson, S. H., Alavi, A. & Hess, S., 2014, In : Current Molecular Imaging. 3, 3, p. 230-9

#### **Clinical impact of FDG-PET/CT on colorectal cancer staging and treatment strategy**

Petersen, R. K., Hess, S., Alavi, A. & Høilund-Carsen, P. F., 2014, In : American Journal of Nuclear Medicine and Molecular Imaging. 4, 5, p. 471-82

#### **Clinical significance of incidental focal bowel uptake on FDG-PET/CT**

Hess, S., Nielsen, A. L., Thomassen, A., Petersen, H. & Høilund-Carsen, P. F., 2014.

#### **Contribution of FDG to Modern Medicine, Part I**

Hess, S. (ed.) & Høilund-Carsen, P. F. (ed.), 2014, 4. ed. (P E T Clinics; No. 4, Vol. 9).

#### **Delayed sodium (18)F-fluoride PET/CT imaging does not improve quantification of vascular calcification metabolism: Results from the CAMONA study**

Blomberg, B. A., Thomassen, A., Takx, R. A. P., Vilstrup, M. H., Hess, S., Nielsen, A. L., Diederichsen, A. C. P., Mickley, H., Alavi, A. & Høilund-Carsen, P. F., 2014, In : Journal of Nuclear Cardiology. 21, 2, p. 293-304

#### **Diagnostic performance of volumetric FDG-PET/CT parameters in the detection of deep vein thrombosis.**

Salavati, A., Hess, S., Demir, Y., Høilund-Carsen, P. F. & Alavi, A., 2014.

#### **FDG PET/CT methodology for evaluation of treatment response in lymphoma: from "graded visual analysis" and "semiquantitative SUVmax" to global disease burden assessment**

Basu, S., Zaidi, H., Salavati, A., Hess, S., Carlsen, P. F. H. & Alavi, A., 2014, In : European Journal of Nuclear Medicine and Molecular Imaging. 41, 11, p. 2158-2160

#### **FDG-PET/CT can rule out malignancy in patients with vocal cord palsy**

Thomassen, A., Nielsen, A. L., Lauridsen, J. K., Blomberg, B. A., Hess, S., Petersen, H., Johansen, A., Asmussen, J. T., Sørensen, J. R., Johansen, J., Godballe, C. & Høilund-Carsen, P. F., 2014, In : American Journal of Nuclear Medicine and Molecular Imaging. 4, 2, p. 193-201

#### **FDG-PET/CT for initial staging of colorectal cancer**

Petersen, R., Hess, S., Alavi, A. & Høilund-Carsen, P. F., 2014, In : Journal of Nuclear Medicine. 55, 1. Supplement, p. 1556 1 p.

#### **FDG-PET/CT for systemic infections**

Hess, S., Møldrup Jakobsen, N., Brøndserud, M. B., Antonsen Segtnan, E. & Schifter, S., 2014, In : Current Molecular Imaging. 3, 3, p. 182-190

#### **FDG-PET/CT Imaging of Infected Bones and Prosthetic Joints**

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### **FDG-PET/CT in Gastrointestinal Malignancies**

Donswijk, M., Hess, S., Mulder, T. & MGEH, L., 2014, In : P E T Clinics. 9, 4, p. 421-441

### **FDG-PET/CT in infectious and inflammatory diseases**

Hess, S., Hansson, S. H., Pedersen, K. T., Basu, S. & Høilund-Carlsen, P. F., 2014, In : P E T Clinics. 9, p. 497-519

### **Inflammatory thinking: A new imaging paradigm**

Hess, S., Blomberg, B. A. & Høilund-Carlsen, P. F., 2014, In : International Innovation. 147, p. 85-87

### **New observation of early detection of venous thromboembolism by 18F-FDG PET/CT scans in patients with multiple myeloma**

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### **Nuclear Medicine in Denmark**

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### **PET/CT in the diagnosis of inflammatory bowel disease in pediatric patients: a review**

Malham, M., Hess, S., Nielsen, R. G., Husby, S. & Høilund-Carlsen, P. F., 2014, In : American Journal of Nuclear Medicine and Molecular Imaging. 4, 3, p. 225-30

### **Potential Applications of FDG-PET/CT in COPD: A Review of the Literature**

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### **Preface: PET/CT: Quo vadis?**

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### **The basic principles of FDG-PET/CT imaging**

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### **The Role of 18F-FDG-PET/CT in Infective Endocarditis and Cardiac Device Infection**

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### **The role of molecular imaging in diagnosis of deep vein thrombosis**

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### **Usefulness of FDG-PET/CT for tumour thrombosis**

Ravina, M., Hess, S., Chauhan, M., Jacob, M. & Alavi, A., 2014.

### **Venous thromboembolism: A novel application for 18F-FDG-PET/CT**

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

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**Bjørn Ibsen**  
Hess, S., 2013

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

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

**Personen bag navnet: James Paget**

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

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

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

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**Antoine Leeuwenhoek**

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**Hepatopulmonalt syndrom**

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**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, In : Clinical Nuclear Medicine. 37, 12, p. 1170-2 3 p.

**Tuberkulose som folkesygdom**

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

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**Nuklearmedicin - en introduktion**

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

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**Rene Laënnec: En kort biografi**

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**Respirationsorganerne**

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**Virginia Apgar. Personen bag navnet**

Hess, S., 2011

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

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

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

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

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

Hess, S., 2010, 2 p. 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, In : Journal of Nuclear Cardiology. 17, 3, p. 516-9 4 p.

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

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**Fra Star Fleet Medical's arkiver: Fremtidens lægeetik**

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

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

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

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

Hess, S., 2008, In : Syddanske Læger. 3, 4, p. 32-33

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

Hess, S., 2008, In : Syddanske Læger. 2, p. 34-35

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

Hess, S., 2008, In : Syddanske Læger. 3, 6, p. 22-23

**Lægekredsföreningen - goddag og farvel**

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

**Medicin-historisk Quiz**

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**PET-CT til diagnostik af infektioner**

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**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, In : Syddanske Læger. 6, p. 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, In : European Journal of Nuclear Medicine and Molecular Imaging. 34, p. 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, In : Syddanske Læger. 5, p. 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, In : European Journal of Nuclear Medicine and Molecular Imaging. 34, p. 402-403

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

Hess, S. & Høilund-Carlsen, P. F., 2006, In : Bibliotek for læger. 197, 4, p. 332-375 43 p.

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

Hess, S., Madsen, P. H., Jørgensen, H. B. & Høilund-Carlsen, P. F., 2005, In : Ugeskrift for læger. 167, 41, p. 3870-3875

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

Madsen, P. H., Hess, S., Jørgensen, H. B. & Højlund-Carlson, P. F., 2005, In : Ugeskrift for læger. 167, 41, p. 3875-3877

## Undervisningsportfolio

### FORMEL PÆDAGOGISK UDDANNELSE

2019 Supervision af forskningsledere (RSD)  
2016 Lederaspirantkursus  
2007 Vejlederkursus  
2005 Læringskursus

### UDDANNELSESDADMINISTRATIVE 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 knoglelidelser". 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 Billedannelse" og "Funktionel Billedannelse". 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 Metacarpophalangeal 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". Kitlebog 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 valgfrat 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