

## Per Skaane - Curriculum Vitae



### Formal Education:

- \* Medical studies at University Tuebingen, Germany 1963-1970.
- \* Examination in Medicine (German "Staatsexamen") at University Tubingen August 1970.
- \* American «Educational Council for Foreign Medical Graduates» (ECFMG) Sept. 1970.
- \* Examination in Medicine at University Oslo, Norway November 1970.
- \* Authorization as "doctor in medicine" Norway August 1972.
- \* Specialist in Diagnostic Radiology Germany December 1981.
- \* Specialist in Diagnostic Radiology Norway January 1984.

Medical thesis at University Oslo September 1999: «Ultrasonography as adjunct to mammography in the evaluation of breast tumors», based on seven papers (Munksgaard International Publishers Ltd 1999, Acta Radiologica, ISBN 82-995170-0-1):

- \* Skaane P, Engedal K, Skjennald A: Interobserver variation in the interpretation of breast imaging. Comparison of mammography, ultrasonography, and both combined in the interpretation of palpable noncalcified breast masses. Acta Radiol 1997; 38: 497-502.
- \* Skaane P, Engedal K: Analysis of sonographic features in the differentiation of fibroadenoma and invasive ductal carcinoma. AJR Am J Roentgenol 1998; 170: 109-114.
- \* Skaane P, Sager EM, Olsen JB, Abdelnoor M, Berger A, Wolff PA, Kullmann G: Diagnostic value of ultrasonography in patients with palpable mammographically noncalcified breast tumors. Acta Radiol 1999; 40: 163-168.
- \* Skaane P, Olsen JB, Sager EM, Abdelnoor M, Berger A, Kullmann G, Wolff PA: Variability in the interpretation of ultrasonography in patients with palpable noncalcified breast tumors. Acta Radiol 1999; 40: 169-175.
- \* Skaane P, Skjorten F: Ultrasonographic evaluation of invasive lobular carcinoma. Acta Radiol 1999; 40: 369-375.
- \* Skaane P, Sauer T: Ultrasonography of malignant breast neoplasms. Analysis of carcinomas missed as tumor. Acta Radiol 1999; 40: 376-382.
- \* Skaane P: The additional value of US to mammography in the diagnosis of breast cancer. A prospective study. Acta Radiol 1999; 40: 486-490.

**Practice:**

- \* Training in Pathology at University Tuebingen, Germany 1972 – 1974.
- \* Training in Psychiatry at Roenvik Hospital, Bodø, Norway.
- \* Training in Surgery and Gyneology/Obstetrics Harstad Hospital, Norway 1975 – 1977.
- \* Training in Diagnostic Radiology at University Tuebingen, Germany 1977 – 1981.
- \* Since 1982 working in Diagnostic Radiology, Ullevaal University Hospital, Oslo, Norway.
- \* From 1996 leader of the Mammography Screening Program in Oslo, Norway.
- \* From 2001 Professor at the Department of Radiology, Ullevaal University Hospital, Oslo

**LIST OF PUBLICATIONS ( past 15 years: 1995 – 2009 )**

**Refereed (peer-reviewed) publications:**

**Skaane P**, Kåresen R, Jacobsen U, Amlie E, Sauer T, Skjorten F: Evaluation of palpable tumor mammae. Flow chart and quality assessment of the triple diagnostic procedure. Tidsskr Nor Lægeforen 1995; 115: 1965-1969 (in Norwegian).

**Skaane P**, Schistad O, Amland PF, Solheim K: Routine ultrasonography in the diagnosis of acute appendicitis: A valuable tool in daily practice? Am Surg 1997; 63: 937-942.

**Skaane P**, Engedal K, Skjennald A: Interobserver variation in the interpretation of breast imaging. Comparison of mammography, ultrasonography, and both combined in the interpretation of palpable noncalcified breast masses. Acta Radiol 1997; 38: 497-502.

**Skaane P**: Magnetic resonance imaging of the breast. Tidsskr Nor Lægeforen 1998; 118: 2486-2490. (In Norwegian).

**Skaane P**, Engedal K: Analysis of sonographic features in the differentiation of fibroadenoma and invasive ductal carcinoma. Am J Roentgenol 1998; 170: 109-114.

**Skaane P**, Sager EM, Olsen JB, Abdelnoor M, Berger A, Wolff PA, Kullmann G: Diagnostic value of ultrasonography in patients with palpable mammographically noncalcified breast tumors. Acta Radiol 1999; 40: 163-168.

**Skaane P**, Olsen JB, Sager EM, Abdelnoor M, Berger A, Kullmann G, Wolff PA: Variability in the interpretation of ultrasonography in patients with palpable noncalcified breast tumors. Acta Radiol 1999; 40: 169-175.

**Skaane P**, Skjorten F: Ultrasonographic evaluation of invasive lobular carcinoma. Acta Radiol 1999; 40: 369-375.

**Skaane P**, Sauer T: Ultrasonography of malignant breast neoplasms. Analysis of carcinomas missed as tumor. Acta Radiol 1999; 40: 376-382.

**Skaane P**: The additional value of US to mammography in the diagnosis of breast cancer. A prospective study. Acta Radiol 1999; 40: 486-490.

Kåresen R, Jacobsen U, Sauer T, **Skaane P**: A prospective registration of prescreening diagnostic procedures and treatment of breast cancer. *Tidsskr Nor Lægeforen* 1999; 119: 3562-3566 (in Norwegian).

Jacobsen U, **Skaane P**, Sauer T, Kåresen R: Diagnostic and therapeutic mammographic localized biopsy in the female breast. *Tidsskr Nor Lægeforen* 2000; 120: 595-597 (in Norwegian).

Wang H, Bjurstam N, Bjørndal H, Braaten L, **Skaane P**, Vitak B, Hofvind S, Thoresen SØ: Interval cancers in the Norwegian Breast Cancer Screening Program: Frequency, characteristics and use of HRT. *Int J Cancer* 2001; 94: 594-598.

Kåresen R, Jensen HH, Sauer T, Schlichting E, **Skaane P**, Wang H: Logistics of referral, diagnostic assessment and treatment of patients with breast symptoms and signs. *Scand J Surg* 2002; 91: 232-238

Sauer T, Myrvold K, Lømo J, Andersen KY, **Skaane P**: Fine-needle aspiration cytology in nonpalpable mammographic abnormalities in breast cancer screening: results from the breast cancer screening programme in Oslo 1996-2001. *The Breast* 2003; 12: 314-319.

**Skaane P**, Young K, Skjennald A: Population-based mammography screening: Comparison of screen-film and full-field digital mammography with soft-copy reading – Oslo I study. *Radiology* 2003; 229: 877-884.

Obenauer S, Hermann K-P, Marten K, Luftner-Nagel S, von Heyden D, **Skaane P**, Grabbe E: Soft copy versus hard copy reading in digital mammography. *J Digital Imaging* 2003; 16: 341-344.

**Skaane P**, Skjennald A: Screen-film mammography versus full-field digital mammography with soft-copy reading: Randomized trial in a population-based screening program – The Oslo II study. *Radiology* 2004; 232: 197-204.

Banitalebi H, **Skaane P**: Migration of the breast biopsy localization wire to the pulmonary hilus. *Acta Radiol* 2005; 46: 28-31.

Sharma P, Sahni NS, Tibshirani R, **Skaane P**, Urdal P, Berghagen H, Jensen M, Kristiansen L, Moen C, Sharma P, Zaka A, Arnes J, Sauer T, Akslen LA, Schlichting E, Børresen-Dale AL, Loenneborg A: Early detection of breast cancer based on gene-expression patterns in peripheral blood cells. *Breast Cancer Research* 2005; 7: R634-R644.

**Skaane P**, Balleyguier C, Diekmann F, Diekmann S, Piguët JC, Young K, Niklason LT: Breast lesion detection and classification: Comparison of screen-film mammography and full-field digital mammography with soft-copy reading – Observer performance study. *Radiology* 2005; 237: 37-44.

**Skaane P**, Skjennald A, Young K, Egge E, Jebsen I, Sager EM, Scheel B, Søvik E, Ertzaas AK, Hofvind S, Abdelnoor M: Follow-up and final results of the Oslo I study comparing screen-film mammography and full-field digital mammography with soft-copy reading. *Acta Radiol* 2005; 46: 679-689.

Hofvind S, **Skaane P**, Vitak B, Wang H, Thoresen S, Eriksen L, Bjørndal H, Braaten A, Bjurstam N : Influence of review design on percentages of missed interval breast cancers: Retrospective study of interval cancers in a population-based screening program. *Radiology* 2005; 237: 437-443.

Hofvind S, Bjurstam N, Sørum R, Bjørndal H, Thoresen S, **Skaane P**: Number and characteristics of breast cancer cases diagnosed in four periods in the screening interval of a biennial population-based screening programme. *J Med Screen* 2006; 13: 192-196.

Hagen AI, Kvistad KA, Maehle L, Holmen MM, Aase H, Styr B, Vabø A, Apold J, **Skaane P**, Møller P: Sensitivity of MRI versus conventional screening in the diagnosis of BRCA-associated breast cancer in a national prospective series. *The Breast* 2007; 16: 367-374.

**Skaane P**, Kshirsagar A, Stapleton S, Young K, Castellino RA: Effect of computer-aided detection on independent double reading of paired screen-film and full-field digital screening mammograms. *Am J Roentgenol AJR* 2007; 188: 377-384.

Hofvind S, Geller B, Vacek PM, Thoresen S, **Skaane P**: Using the European guidelines to evaluate the Norwegian Breast Cancer Screening Program. *Eur J Epidemiol* 2007; 22: 447-455.

**Skaane P**, Hofvind S, Skjennald A: Randomized trial of screen-film versus full-field digital mammography with soft-copy reading in population-based screening program: Follow-up and final results of Oslo II study. *Radiology* 2007; 244: 708-717.

Vigeland E, Klaasen H, Klingen TA, Hofvind S, **Skaane P**: Full-field digital mammography compared to screen film mammography in the prevalent round of a population-based screening programme: the Vestfold County study. *Eur Radiol* 2008; 18: 183-191.

Martinsen ACT, Sæther HK, Olsen DR, **Skaane P**, Olerud HM: Reduction in dose from CT examinations of liver lesions with a new postprocessing filter: A ROC phantom study. *Acta Radiol* 2008; 49: 303-309.

**Skaane P**, Diekmann F, Balleyguier C, Diekmann S, Piguat JC, Young K, Abdelnoor M, Niklason L: Observer variability in screen-film mammography versus full-field digital mammography with soft-copy reading. *Eur Radiol* 2008; 18: 1134-1143.

Eilertsen AL, Karssemeijer N, **Skaane P**, Qvigstad E, Sandset PM: Differential impact of conventional and low-dose oral hormone therapy, tibolone and raloxifene on mammographic breast density, assessed by an automated quantitative method. *Br J Obstet Gynecol BJOG* 2008; 115: 773-779.

Hofvind S, Geller B, **Skaane P**: Mammographic features and histopathological findings of interval breast cancers. *Acta Radiol* 2008; 49: 975-981.

**Skaane P**: Studies comparing screen-film mammography and full-field digital mammography in breast cancer screening: Updated review. *Acta Radiol* 2009; 50: 3-14.

Sagen Å, Kåresen R, **Skaane P**, Risberg MA: Validity for the simplified water displacement instrument to measure arm lymphedema as a result of breast cancer surgery. *Arch Phys Med Rehabil* 2009; 90: 803-809.

Hofvind S, Geller BM, Rosenberg R, **Skaane P**: Screening-detected breast cancers: Discordant independent double reading in a population-based screening program. *Radiology* 2009; 253: 652-660.

**Skaane P**: Molecular imaging: A potential new tool for early detection and monitoring of targeted breast cancer therapy. *Acta Radiol* 2009; 50: 1092-1093.

Kurz KD, Roy S, Modder U, **Skaane P**, Saleh A: Typical atypical findings on dynamic MRI of the breast. *Eur J Radiol* 2010; 76: 195-210.

Aarøe J, Lindahl T, Dumeaux V, Sæbø S, Tobin D, Hagen N, **Skaane P**, Lonneborg A, Sharma P, Børresen-Dale AL: Gene expression profiling of peripheral blood cells for early detection of breast cancer. *Breast Cancer Research* 2010; 12: R7.

Sørum R, Hofvind S, **Skaane P**, Haldorsen T: Trends in incidence of ductal carcinoma in situ: The effect of a population-based screening program. *The Breast* 2010; 19: 499-505.

Juel IM, **Skaane P**, Hoff SR, Johannessen G, Hofvind S: Screen-film mammography versus full-field digital mammography in a population-based screening program: The Sogn and Fjordane study. *Acta Radiol* 2010; 51: 962-968.

**Skaane P**: Nationwide mammography screening registers: the best way to go for mortality evaluation – but there is no free lunch. *Acta Radiol* 2011; 52: 235.

Kurz KD, Roy S, Saleh A, Diallo-Danebrock R, **Skaane P**: MRI features of intraductal papilloma of the breast: sheep in wolf's clothing. *Acta Radiol* 2011; 52: 264-272.

Falk RS, Hofvind S, **Skaane P**, Haldorsen T: Second events following ductal carcinoma in situ of the breast: a register-based cohort study. *Breast Cancer Res Treat* (DOI10.1007/s)