

PUBLICATION ACTIVITIES AMONG THE RADIOGRAPHY SECTOR IN NORWAY

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Abstract

Aim

To give an overview over journals chosen for publication by the radiography field.

Background

Traditionally, the professional development of radiography was dominated by other disciplines, e.g. radiology, physics, sociology and nursing. The move into the higher education sector led radiographers be additionally encouraged in research activities. Evidence based practice is an approach to clinical problem solving and health care provision based on "good evidence". Research papers are an important part. Till date, the publication activities and choose of journals among Norwegian radiography staffs have been unknown.

Conclusions

The wide list of journals chosen illustrates a broad underpinning of radiography. Radiography science in Norway has already shown considerable development and achieved many substantial and structural criteria set for independent academic disciplines.

Keywords: Bibliometrics, Publication, Radiography

Background

The publication activity is one of the characteristics of development of radiography as a profession.

In 1981, the program of radiography was included in higher-level education (Frøysnes 2013), which also implied that staffs should have a scientific background. The very first master thesis published by a radiographer in Norway was in 1984. (Grindstad 1984) At the beginning, master programs had been chosen among what was possible to attend into; as from the beginning was

pedagogy and leadership.

The following years, a number of radiography specific programs overing a range of disciplines appeared, and so led to a widening up of focus on theirs thesis. Parallel, it was an increase in the interest for master programs abroad, mainly the part-time ones from United Kingdom. Radiographers started involve in research groups for specific interest for collaborating with other professionals, which led to an increased attention of to publish articles. First doctoral dissertation by a radiographer was in 1999(Gulden 1999), and since then a range of PhD dissertations.

The professional development of radiography was dominated by documentary evidence provided by other disciplines – radiology, physics, sociology and nursing. The move into the higher education sector led to, that radiographers became additionally encouraged to engage in research activities.

Evidence-based practice (EBP) is essential in today's health care work.(Ahonen

Table 1: List of journals professionals of radiography science Norwegians has published in.

1. Acta Oncologica	48. Journal of Computer Assisted Tomography
2. Acta Radiologica	49. Journal of Magnetic Resonance Imaging
3. Annals of Internal Medicine	50. Journal of Medical Ethics
4. Asian Pacific Journal of Cancer Prevention	51. Journal of Medical Imaging and Health Informatics
5. Bioingeniøren	52. Journal of Medical Imaging and Radiation Oncology
6. Biomedical Imaging and Intervention Journal	53. Journal of Medical Radiation Sciences
7. BMC Health Services Research	54. Journal of medical Screening
8. BMJ Quality and Safety	55. Journal of Nuclear Medicine Technology
9. Breast	56. Journal of Physiology
10. Breast Cancer Research	57. Journal of Radiotherapy in Practice
11. Breast Cancer Research and Treatment	58. Journal of Speech, Language and Hearing Research
12. Breast Cancer: Basic and Clinical Research	59. Journal of the American Society of Echocardiography
13. British Journal of Cancer	60. Journal of the National Cancer Institute
14. British Journal of Radiology	61. Journal of Urology
15. Cancer	62. Kathmandu University Medical Journal
16. Cancer Epidemiology, Biomarkers and Prevention	63. Klininen radiografiatede: Journal of Clinical Radiography and Radiotherapy
17. Cancer Nursing	64. Magnetic Resonance Imaging
18. Cardiovascular and Interventional Radiology	65. NeuroImage
19. Clinical Cancer Research	66. New England Journal of Medicine
20. Clinical imaging	67. NMR in Biomedicine
21. Contrast Media & Molecular Imaging	68. Noroforum : tidsskrift for radiologi
22. Computer Supported Cooperative Work	69. Nordisk tidsskrift for helseforskning
23. Computerized Medical Images and Graphics	70. OncoTarget
24. Computerized Medical Images and Graphics (Web of Science)	71. PLoS ONE
25. Contrast Media & Molecular Imaging	72. Psychology and Health
26. European Heart Journal – Cardiovascular Imaging	73. Radiation and Environmental Biophysics
27. European Journal of Cancer	74. Radiation Medicine
28. European Journal of Cancer Care	75. Radiation Oncology
29. European Journal of Echocardiography	76. Radiation Protection Dosimetry
30. European Journal of Oncology Nursing	77. Radiation Research
31. European Journal of Radiography	78. Radiography
32. European Journal of Radiology	79. Radiologic Technology
33. European Radiology	80. Radiological Physics and Technology
34. Health	81. Radiology
35. HMT - Helsetjenesten Medisinsk Teknikk	82. Radiotherapy and Oncology
36. Hold Pusten	83. RöFo. Fortschritte auf dem Gebiete der Röntgenstrahlen und der Nuklearmedizin
37. Hospital Oncology & Haematology Europe	84. Scandinavian Journal of Caring Sciences
38. HPE. Hospital Pharmacy Europe	85. Scandinavian Journal of Rheumatology
39. IEEE Transactions on Biomedical Engineering	86. Scandinavian Journal of Urology and Nephrology
40. Insight into Imaging	87. Springer Plus
41. International Journal of Cancer	88. Strahlentherapie und Onkologie
42. International Journal of Circumpolar Health	89. Studies in Health Technology and Informatics
43. International Journal of Computer Assisted Radiology and Surgery	90. Supportive Care in Cancer
44. International Journal of Medical Informatics	91. The Lancet Oncology
45. International Journal of Radiation Oncology, Biology, Physics	92. The Radiographer
46. Journal of Clinical Nursing	93. Ultrasound in Medicine and Biology
47. Journal of Clinical Oncology	

2008) Despite the radiographers' positive attitude towards EBR in Challen's study (Challen, et al. 1996) previous studies report many barriers to the use of research evidence in everyday clinical practice. (Hafslund 2000) Knowledge of radiographic practice as a profession has traditionally, been based on what is written or learnt from other professions both within and beyond the field of health care. The profession has experienced substantial technological and sociological changes both in training and in practice over the past, few decades and these look set to continue into the immediate.

Results

The list of journals, in which professionals of radiography has published into, is shown in Table 1.

Discussion

The journal list, in which radiography scientific manuscripts are published into, consists per date of 93 different journals; whereas 20 journals are on level 2 and 73 on level 1 in the performance-based funding system of research institutions in Norway. (Schneider 2009) Radiographers hold the first authorships in a number of manuscripts, however merely published as a part of a publication group. The latter years, radiographers more often take part as the last-mentioned author, as the main supervisor.

Nowadays, the radiography profession consists of scientific posts accredited for institutions under certain conditions of academia; as professorship, associated professors, assistant professors and others. This implies a prerequisite to publish. Highest level in health care so far, is radiographers having masters, wherefrom some has produced not only articles, but also been eager to present at conferences. Not so surprised, the national mammography program was the number one sector to be published into, for radiographers, as the leader, a radiographer, Solveig Hofvind now soon is to publish her article number 100, and lots are on the level 2.

Conclusions

The wide list of journals chosen illustrates a broad underpinning of radiography. Radiography science in Norway has already shown considerable development and achieved many substantial and structural criteria set for independent academic disciplines.

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