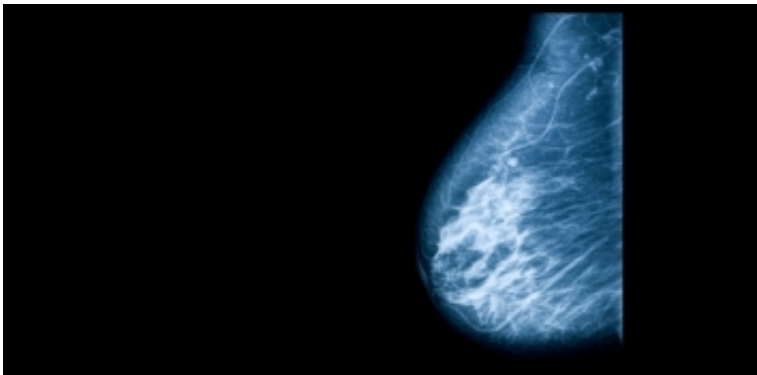


# Breast conserving treatment with radiotherapy reduces risk of local recurrence

September 18 2013

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Results of EORTC trial 10853 appearing in the *Journal of Clinical Oncology* show that breast conserving treatment combined with radiotherapy reduces the risk of local recurrence in women with ductal carcinoma in situ (DCIS). The incidence of DCIS has been increasing in the past decades, and this has been attributed to increased detection through breast cancer screening using mammograms. In the EORTC study, adjuvant radiotherapy after local excision reduced the incidence of both in situ and invasive local recurrences by a factor of two and resulted in an overall lower risk of mastectomy.

Following the introduction of [radiotherapy](#) combined with breast-conserving surgery for operable [invasive breast cancer](#) in the 1980's, several trials were launched to investigate the addition of radiotherapy to

local excision of DCIS. These trials showed that radiotherapy reduced both the risk of DCIS and invasive local recurrences. Now the long-term outcomes of local recurrences and survival in women receiving radiotherapy in combination with breast conserving surgery for DCIS have been investigated at a median follow-up of 15.8 years.

Dr. Mila Donker of The Netherlands Cancer Institute, Amsterdam, and lead author of this paper says, "Survival after treatment for DCIS is excellent. Therefore, the question rises whether the current treatment for DCIS (local excision and adjuvant radiotherapy of the breast) is overtreatment. To answer this question, not only long-term data about local disease recurrences and prognosis are important, but also information about the prognosis and treatment in case of [recurrence](#)."

Between 1986 and 1996, the phase III EORTC trial 10853 randomized 1010 women with complete local excision of DCIS to no further treatment (503 patients) or radiotherapy (507 patients). The risk of any local recurrence was found to be reduced by 48% (HR: 0.52, 95%CI 0.40-0.68, P

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