

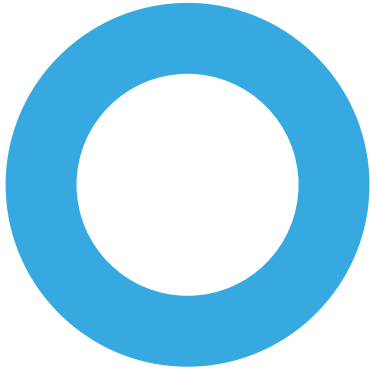
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PAXMAN  
**NORWEGIAN CLINICAL**  
STUDY OF EFFICACY

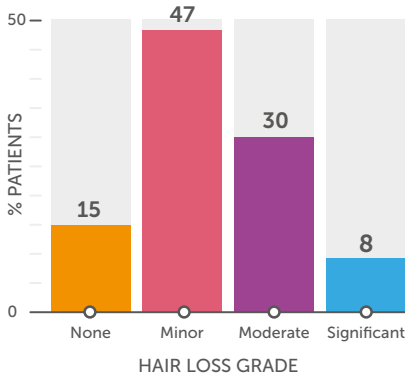
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Norwegian observational study reports a 92% success rate following use of the Paxman system in 54 breast cancer patients treated with FEC/FAC or paclitaxel.

### EVALUATION OF HAIR LOSS (ALL PATIENTS)



## Results

### Alopecia prevention.

Authors concluded that scalp cooling is an effective method for avoiding alopecia in patients receiving FEC or weekly paclitaxel. Only 8% of patients experienced significant hair loss.

## Patients

89% of patients described scalp cooling as acceptable, with minimal discomfort caused by the longer treatment period.

- Only 15% of patients considered coldness to be a major problem.
- Only 2% of patients considered headaches to be a major problem.
- One patient discontinued treatment because of discomfort.

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# 92%

success rate in breast cancer patients.

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## Methods

- 54 breast cancer patients being treated with chemotherapy in the neo-adjuvant, adjuvant or palliative settings in single Norwegian centre between 2000-2001<sup>2</sup>.

### Chemotherapy regimens:

- FEC\*/FAC - epirubicin (60 mg/m<sup>2</sup>).
- Weekly paclitaxel (P) (90 mg/m<sup>2</sup>).

### Scalp cooling times:

#### Pre-infusion cooling time

- FEC/FAC: median 20 minutes (range 15-150 minutes).
- P: median 20 minutes (range 15-120 minutes).
- Cooling was maintained during the infusion period.

#### Post-infusion cooling time

- FEC/FAC: median 120 minutes (range 120-150 minutes).
- P: median 60 minutes (range 60-120 minutes).

#### Patient age range 28-61 years, mean age 44

- Patients views related to comfort and acceptability of scalp cooling were collated by contact nurse.

\*FEC - 5-fluorouracil, epirubicin and cyclophosphamide

\*FAC - 5-fluorouracil, adriamycin and cyclophosphamide

\*\* CMF - Cyclophosphamide, methotrexate, 5-fluorouracil

P - Paclitaxel

De Vries NF and Andersen OK. Scalp cooling as a method of avoiding alopecia in cancer patients receiving chemotherapy. Presented at ECCO 11 Lisbon 2011.

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**PAXMAN<sup>o</sup>**  
PIONEERS IN SCALP COOLING