

# Lupus confirmed as risk factor for cervical cancer

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The results of a study presented today at the European League Against Rheumatism Annual Congress (EULAR 2016) found a doubled risk of pre-malignant cervical changes, and potentially also an increased risk of cervical cancer, among women with Systemic Lupus Erythematosus (SLE) compared to the general female population. The highest risks were found in women with SLE who were treated with immunosuppressant drugs. These findings highlight the importance of regular cervical screening in all women with SLE, regardless of whether the increased risk is due to disease severity or treatment.

"Previous evidence that SLE or its treatment might increase the risk of cervical neoplasia has been inconclusive," said lead investigator Dr Hjalmar Wadström from the Department of Medicine Solna, Karolinska Institutet, Stockholm. "Our findings have confirmed that SLE is a risk factor for cervical malignancies, even after adjusting for important risk determinants such as previous cervical screening."

SLE is a chronic inflammatory disease that can affect any organ and system, but mainly involves the joints, kidneys and skin. SLE predominately affects women, occurring 10 times more often than in men, and often starting when they are in their 20s and 30s.

Between 2006 and 2012, the rate of [cervical dysplasia](#) or [invasive cervical cancer](#) among a cohort of women with SLE was twice the rate in a matched general population (adjusted for age, sex, education level, healthcare utilisation, number of children, marital status, family history of [cervical cancer](#), and prior [cervical screening](#)). The rate was higher among those women treated with a systemic immunosuppressive drug, compared to those treated with only an antimalarial without additional immunosuppressive treatment.

Results were similar for the risk of cervical

dysplasia at different stages of severity, however, this comparison was less significant due to limited numbers of events and follow-up time.

Provided by European League Against Rheumatism

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