18th Annual Conference of the British HIV Association (BHIVA)



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London

18-20 April 2012, The International Convention Centre, Birmingham

Treatment of anal intraepithelial neoplasia and prevention of anal carcinoma

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Background

- The anal cancer rates are much higher in HIV positive men and these have increased over time.1,2,3,4
- Progression to anal cancer from high-grade anal intraepithelial neoplasia (AIN 2/3) has been noted in a number of small observational studies at a rate of 8.6% to 14.3% over 5 years.6,7,8,9
- An opportunity to prevent anal cancer may exist through treatment of AIN 2/3 lesions.

Homerton University Hospital MIS



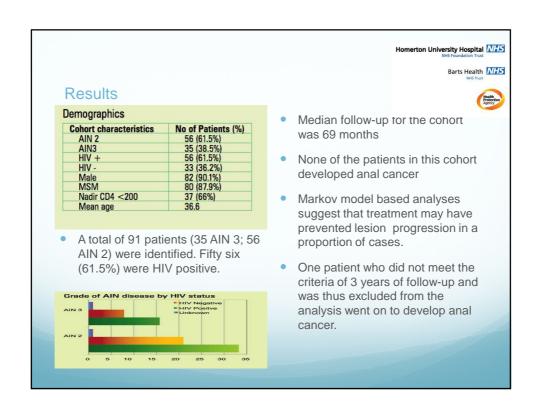
Barts Health NHS



- Data on 91 cases of high grade AIN (2/3) was retrospectively reviewed.
- Inclusion:

Methods

Patients who had a minimum of 3 year follow-up after AIN 2/3 diagnosis and who underwent laser ablative treatment.









Interpretation

- Although no large natural history studies exist, available data suggest that AIN 2/3 in some instances can progress to anal cancer
- Previously we established 36 months as an adequate period to assess outcome of treatment.10
- In our cohort of 91 patients treated with laser ablative therapy for high grade disease, no one developed anal cancer after a median follow up of 69 months.
- Based on the break-through cancer rates from published data, we would have expected between 8 and 13 patients to develop cancer in our cohort
- We now need prospective data on treatments employed to prevent anal cancer

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Thanks to

The patients at Homerton and Barts

Dr Mayura Nathan

Mark Jit

Kerstin Klein , Nicky Hicky, Damilola Awosika

N Singh & M Sheaff