

POSTER PRESENTATION

Open Access

# Histopathological review of prostate cancer in Lokoja, Nigeria

Olabode Peter Oluwole<sup>1\*</sup>, Jones Olaoluwa Taiwo<sup>2</sup>, Kinsley U Awani<sup>2</sup>, Emmanuelle O Adugba<sup>3</sup>

From The Science of Global Prostate Cancer Disparities in Black Men  
Jacksonville, FL, USA. 27-29 August 2010

## Background

Prostate cancer is a major health problem among middle aged and elderly men, though its incidence and mortality varies Worldwide. Although, earlier reports within Africa Continent suggested prostate cancer to be rare among African men, it is now reported to be a surprisingly common disease.

## Objective

The objective of this review is to characterize and determine the pattern of distribution of prostate cancer in our environment.

## Materials and methods

This is a 2-year retrospective histopathological review of prostate cancer diagnosed during August 2007 to July 2009, in the Department of Histopathology of Federal Medical Centre, Lokoja. After histological assessment, the tumours were classified according to WHO recommendation. Histological grading and scoring of adenocarcinoma was done using Gleason system.

## Results

Eight (8) cases of prostate cancer were analyzed. The age range was between 45-80 years, with a mean of 60 years. All the surgical biopsies were trucut needle biopsy. Six (75%) cases were poorly differentiated and two (25%) were moderately differentiated adenocarcinomas, while neither well differentiated adenocarcinoma nor other histological types was seen.

## Conclusion

Though the number of patients in this review was small, it showed that most of the patients presented with advanced disease. The factors may be that the histopathology services is new in the Hospital and its environs, lack of health education, absence of routine screening programmes including PSA estimation, inadequate diagnostic facilities and abject poverty.

## Author details

<sup>1</sup>Department of Pathology, College of Health Sciences, University of Abuja, Nigeria. <sup>2</sup>Department of Surgery, Federal Medical Centre, Lokoja, Nigeria. <sup>3</sup>Department of Surgery, Kogi Specialist Hospital, Lokoja, Nigeria.

Published: 11 August 2011

## Acknowledgements

Publication of this article was funded in part by the University of Florida Open-Access Publishing Fund.

doi:10.1186/1750-9378-6-S1-A2

Cite this article as: Oluwole *et al.*: Histopathological review of prostate cancer in Lokoja, Nigeria. *Infectious Agents and Cancer* 2011 **6**(Suppl 1):A2.

Submit your next manuscript to BioMed Central  
and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at  
[www.biomedcentral.com/submit](http://www.biomedcentral.com/submit)



\* Correspondence: [olabodeoluwole@yahoo.com](mailto:olabodeoluwole@yahoo.com)

<sup>1</sup>Department of Pathology, College of Health Sciences, University of Abuja, Nigeria

Full list of author information is available at the end of the article