

## Book report

# The WHO, and what of the breast and female genital organs: part IV in the WHO classification of tumours series

Andrew M Hanby<sup>1</sup> and Clare Walker<sup>2</sup>

<sup>1</sup>Department of Academic Pathology, Leeds University, Leeds, UK

<sup>2</sup>Department of Histopathology, St James's University Hospital, Leeds, UK

Corresponding author: Andrew M Hanby (e-mail: [Andrew.hanby@ntlworld.com](mailto:Andrew.hanby@ntlworld.com))

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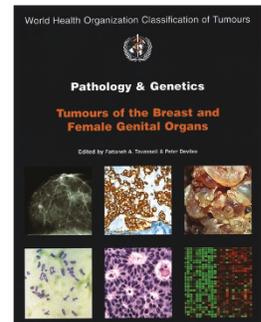
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As with all members of the WHO Classification of Tumours series, this book is well presented and represents exceedingly good value for money. In general the quality of production is good, with the photography of high to very high quality with good illustrations and colour balance. Plentiful micro and macroscopic pictures are presented, the latter being particularly helpful in the sections dealing with gynaecological lesions. Unfortunately, in some cases the illustrations are poor, for example *fig 1.105c* is out of focus or too small, *fig 184*, which is stated to show ADH, is of too low power to serve any useful purpose.

The text offers a well-organised and comprehensive review of breast and gynaecological tumours. In particular, this volume deserves a lot of praise for its synthesis of taxonomy with molecular pathology and probably gives to date the best ready reckoner for molecular and cytogenetic alterations in breast and gynaecological cancer within a pathology textbook. This synthesis could have been taken further, for example in the breast section no reference to the work relating HER2 amplification with epidermotropism and Paget's disease is given [1,2]. Some of the gynaecological text also deserves particular praise; the section on inherited tumour syndromes gives a masterly overview of a complicated subject.

Like all such books there was clear evidence that this text had been written by a committee and in several places the opportunity for reaching a consensus view on some important issues was lost. Most notably, with regards to micro-invasion, many different definitions were given, and one would have thought that the WHO were just the body that would provide some unification with regards to this sort of contentious area. On the other hand I am glad to see that a cautious approach to the premature concept of lobular

intraepithelial neoplasia (LIN) and ductal intralobular neoplasia (DIN) was adopted. The concept is, in theory, attractive but until the various and probably multiple lines of breast cancer evolution are more clearly identified, this concept must remain in cold storage.

In other areas apparent consensus in the book is not matched by reality; the section on mucinous cystic lesions associated with pseudomyxoma peritonei rather oversimplifies what remains a still contentious area of pathology.

The pattern of referencing in the text was to a certain extent patchy and didn't include some of the original descriptions of many lesions, for example the co-incidence of mammary hamartoma and pseudoangiomatous stromal hyperplasia [3]. These oversights no doubt relate to the idiosyncratic knowledge of the literature, which many specialist histopathologists have. Occasionally the selectivity is misleading; in the section on lobular carcinoma it is stated that loss of E-cadherin occurs and that this loss is associated with poor prognosis. The implication given was that this related to lobular carcinoma but the references related to breast cancers in general. Even that view has been challenged, because loss of E-cadherin in ductal carcinomas is not independent of grade [4].

With regards to particular diagnostic aspects of the text, there are perhaps several areas that might have been further explored, although I appreciate that space is of a premium in a book such as this. For example, ductal adenoma of the breast is dealt with very briefly but in fact these lesions have a hugely diverse morphology that may lead to diagnostic difficulty.

Despite some criticism then, this book represents a job well done and provides an extremely good, though at

times selective, overview of current breast and gynaecological pathology in a compact and easy to use volume.

### Competing interests

None declared.

### References

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### Correspondence

Andrew Hanby, Academic Unit of Pathology, Leeds University, Dept of Histopathology, St James's University Hospital, Beckett Street, Leeds, LS9 7TF, UK. Tel: +44 (0)1223 336800; fax: +44 (0)113 2065553; e-mail: Andrew.hanby@ntlworld.com