

Contents

List of participants	ix
Preface	xi
1. Cervical cancer and screening	1
Cervical cancer incidence and mortality worldwide	1
Pathology of cervical neoplasia	9
Diagnosis and treatment of cervical preinvasive and invasive disease	18
The etiology of cervical cancer	26
Principles of screening	45
Natural history of cervical cancer	46
Considerations for screening programmes	57
2. Screening tests	59
Cervical cytology	59
Visual inspection	76
Colposcopy	85
Cervicography	90
HPV DNA testing	93
Combinations of different modalities	109
3. Use of screening for cervical cancer	117
Delivery and uptake of screening	117
Behavioural considerations in screening	147
4. Efficacy of screening	163
Methodology and analytical issues in assessment of efficacy	163
Cytological screening	168
Visual inspection	183
Human papillomavirus testing	186
Other screening methods	191
Efficacy of screening among HIV-positive women	196
5. Effectiveness of screening in populations ..	201
Incidence and mortality trends in relation to screening	201
Issues in the implementation of screening	212
Hazards of screening programmes	214
Performance evaluation	217
Economic evaluation and cost-effectiveness of cervical cancer screening	223
6. Summary of data	227
7. Evaluation	237
8. Recommendations for public health implementation and further research	239
References	243
Glossary	293
Working procedures	299