Drug Dosage
The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

All rights reserved.
No part of this publication may be translated into other languages, reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, microcopying, or by any information storage and retrieval system, without permission in writing from the publisher.

Copyright 1984 by S. Karger AG, P.O. Box, CH-4009 Basel (Switzerland)
Printed in Switzerland by Thr AG Offsetdruck, Pratteln
ISBN 3-8055-3701-8

Contents

Carcinoma of the Larynx. Growth, p-Classification and Grading of Squamous Cell Carcinoma of the Vocal Cords
Hiltrud K. Glanz, Marburg ................................................................. 1

Preface ................................................................. 2
Introduction: Aims of the Study .................................................. 3
Material and Methods .............................................................. 4
Clinical Data .............................................................................. 4
Laboratory Techniques ............................................................. 5
Results Concerning Spread and Growth of Vocal Cord Carcinomas .................................................................
Carcinomas in situ

Small Carcinomas of the Vocal Cords (Microinvasive Carcinomas)

Larger Carcinomas of the Vocal Cord Region

Carcinomas Confined to the Glottic Region

Vocal Cord Carcinoma with Limited Extension in Dorsocranial Direction

Vocal Cord Carcinoma with Predominantly Subglottic Extension ('Subglottic Carcinomas')

Vocal Cord Carcinoma with Predominantly Supraglottic Extension ('Ventricle Carcinomas')

Vocal Cord Carcinoma with Supra- and Subglottic Extension ('Transglottic Carcinomas, Multiregional Carcinomas')

Growth of Vocal Cord Carcinomas in the Larynx and Effect of Its Tissues on Growth

Submucous Spaces ('Compartments')

Muscles and Soft Tissue Spaces

Blood Vessels, Lymph Vessels and Nerves

Ligaments and Laryngeal Framework

Mucous Glands

Summary and Discussion of Findings

Literature

Site of Origin and Early Growth
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Different Types with Similar Patterns of Growth: Subglottic, Ventricle and Transglottic Carcinomas</td>
<td>80</td>
</tr>
<tr>
<td>TNM and p-Classification</td>
<td>84</td>
</tr>
<tr>
<td>Pathohistological Grade of Malignancy in Vocal Cord Carcinomas</td>
<td>88</td>
</tr>
<tr>
<td>Review of Literature</td>
<td>88</td>
</tr>
<tr>
<td>Histologic Evaluation of Malignancy (Malignancy Index, Grading)</td>
<td>90</td>
</tr>
<tr>
<td>Malignancy Index of Vocal Cord Carcinomas</td>
<td>102</td>
</tr>
<tr>
<td>Final Evaluation of pT-Classification and Malignancy Index (Histomorphological Grading)</td>
<td>108</td>
</tr>
<tr>
<td>Summary</td>
<td>111</td>
</tr>
<tr>
<td>Acknowledgements</td>
<td>113</td>
</tr>
<tr>
<td>References</td>
<td>113</td>
</tr>
</tbody>
</table>

Facial Nerve Disorders: Anatomical, Histological and Clinical Aspects
Mihael Podvinec, Basel

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>125</td>
</tr>
<tr>
<td>Intraneural Anatomy of the Facial Nerve</td>
<td>126</td>
</tr>
<tr>
<td>Review of the Literature</td>
<td>126</td>
</tr>
<tr>
<td>Our Own Findings</td>
<td>128</td>
</tr>
<tr>
<td>Materials and Methods</td>
<td>128</td>
</tr>
<tr>
<td>Results</td>
<td>129</td>
</tr>
<tr>
<td>Discussion</td>
<td>136</td>
</tr>
</tbody>
</table>
Surgical Treatment of Hyperkinetic Disorders ................................................................. 138
Clinical Observations ...................................................................................................... 138
  Aetiology of Hemifacial Spasm .................................................................................. 139
  Aetiology of Blepharospasm ..................................................................................... 139
Review of Therapeutic Methods .................................................................................... 140
Our Method of Selective Funicular Neurolysis (Pfaltz-Podvinec) .................................... 142
Surgical Technique .......................................................................................................... 142
  Long-Term Results. ..................................................................................................... 144
Discussion ....................................................................................................................... 146
  Conclusions .................................................................................................................. 148
Morphological, Experimental and Clinical Observations on the Normal Facial Nerve and in Facial Pathology ................................................................. 149
  Anatomical and Morphological Observations ............................................................ 149
  Observations in Animal Experiments and in Humans .................................................. 150
  Autoptic Material ........................................................................................................ 153

Contents VII

  Neurometric Studies of the Normal Facial Nerve ........................................................... 156
  Our Own Findings ........................................................................................................ 156
  Material and Methods ................................................................................................. 157
  Review of Cases. ......................................................................................................... 158
  Results .......................................................................................................................... 159