

Pearls and Pitfalls in Head and Neck Pathology

Pearls and Pitfalls in Head and Neck Pathology

Edited by
Alessandro Franchi
University of Pisa



CAMBRIDGE
UNIVERSITY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom
One Liberty Plaza, 20th Floor, New York, NY 10006, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
314–321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre,
New Delhi – 110025, India
79 Anson Road, #06–04/06, Singapore 079906

Cambridge University Press is part of the University of Cambridge.
It furthers the University’s mission by disseminating knowledge in the pursuit of
education, learning, and research at the highest international levels of excellence.

www.cambridge.org
Information on this title: www.cambridge.org/9781107123496
DOI: 10.1017/9781107123496

© Cambridge University Press 2019

This publication is in copyright. Subject to statutory exception
and to the provisions of relevant collective licensing agreements,
no reproduction of any part may take place without the written permission of
Cambridge University Press.

First published 2019

Printed and bound in Great Britain by Clays Ltd, Elcograf S.p.A.

A catalogue record for this publication is available from the British Library.

Library of Congress Cataloging-in-Publication Data
Names: Franchi, Alessandro.
Title: Pearls and pitfalls in head and neck pathology / edited by Alessandro
Franchi, University of Florence, Italy.
Description: New York : Cambridge University Press, 2019. | Includes
bibliographical references and index.
Identifiers: LCCN 2019017888 | ISBN 9781107123496 (hardback : alk. paper)
Subjects: LCSH: Head–Diseases–Diagnosis. | Neck–Diseases–Diagnosis. |
Diagnosis, Differential.
Classification: LCC RC936 .P43 2019 | DDC 617.5/1075–dc23
LC record available at <https://lcn.loc.gov/2019017888>

ISBN 978-1-107-12349-6 Hardback

Cambridge University Press has no responsibility for the persistence or
accuracy of URLs for external or third-party internet websites referred to in
this publication and does not guarantee that any content on such websites is, or
will remain, accurate or appropriate.

.....

Every effort has been made in preparing this book to provide accurate and up-
to-date information that is in accord with accepted standards and practice at
the time of publication. Although case histories are drawn from actual cases,
every effort has been made to disguise the identities of the individuals involved.
Nevertheless, the authors, editors, and publishers can make no warranties that
the information contained herein is totally free from error, not least because
clinical standards are constantly changing through research and regulation.
The authors, editors, and publishers therefore disclaim all liability for direct or
consequential damages resulting from the use of material contained in this
book. Readers are strongly advised to pay careful attention to information
provided by the manufacturer of any drugs or equipment that they plan to use.

Contents

List of Contributorsviii

1

Case 1: Ulcerative Stomatitis1

Nina Zidar and Katarina Dimnik

2

Case 2: Mucosal Leishmaniasis4

Llucia Alos and Paola Castillo

3

Case 3: Oral Lichen Planus8

Llucia Alos and Paola Castillo

4

Case 4: Proliferative Verrucous Hyperplasia10

Alessandro Franchi

5

Case 5: Granular Cell Tumor12

Alessandro Franchi

6

Case 6: Congenital Epulis14

Alessandro Franchi

7

Case 7: Oral Syphilis16

Nina Zidar and Grega Kragelj

8

Case 8: Necrotizing Sialometaplasia19

Alessandro Franchi

9

Case 9: Papillary Squamous Cell Carcinoma21

Cecilia Taverna, Annarita Palomba, and Oreste Gallo

10

Case 10: Adenosquamous Carcinoma23

Llucia Alos and Paola Castillo

11

Case 11: Acantholytic Squamous Cell Carcinoma25

Alessandro Franchi

12

Case 12: Metastatic Oropharyngeal Angiosarcoma27

Alessandro Franchi and Raffaella Santi

13

Case 13: Mature Lipoma with Cartilaginous Metaplasia29

Alessandro Franchi and Cecilia Taverna

14

Case 14: Osteochondroma of the Tongue31

Alessandro Franchi

15

Case 15: Grade 2 Chondrosarcoma of the Hyoid Bone32

Alessandro Franchi

16

Case 16: Ectomesenchymal Chondromyxoid Tumor34

Alessandro Franchi

17

Case 17: Oncocytic Metaplasia of the Nasopharynx36

Cecilia Taverna

18

Case 18: Laryngeal Squamous Cell Carcinoma and Synchronous Oropharyngeal HPV-Related Carcinoma with Nodal Metastases38

Alessandro Franchi, Oreste Gallo, Luca Giovanni Locatello, and Cecilia Taverna

19

Case 19: Cylindroma41

Alessandro Franchi

20

Case 20: Epithelial–Myoepithelial Carcinoma with Sebaceous Differentiation43

Alessandro Franchi

21

Case 21: Intraductal Carcinoma of the Parotid Gland45

Llucia Alos and Paola Castillo

22

Case 22: Mammary Analog Secretory Carcinoma of the Parotid Gland47

Alessandro Franchi

23

Case 23: Clear-Cell Myoepithelial Carcinoma of the Parotid Gland49

Llucia Alos and Paola Castillo

24

Case 24: Nodal Mucoepidermoid Carcinoma52

Alessandro Franchi

25

Case 25: Metaplastic Warthin’s Tumor of the Parotid Gland54

Alessandro Franchi

26

Case 26: Metastasizing Pleomorphic Adenoma56

Alessandro Franchi

27

Case 27: Carcinoma Ex-Pleomorphic Adenoma of the Parotid Gland58

Alessandro Franchi

28

Case 28: Atypical Pleomorphic Adenoma60

Alessandro Franchi

Contents

29	Case 29: Small-Cell Neuroendocrine Carcinoma of the Parotid Gland	62	
	Llucia Alos and Paola Castillo		
30	Case 30: Lymphoepithelial-Like Carcinoma of the Parotid Gland	65	
	Alessandro Franchi		
31	Case 31: Multifocal Nodular Oncocytic Hyperplasia of the Parotid Gland with Clear Cell Change	67	
	Alessandro Franchi		
32	Case 32: Metastatic Renal Cell Carcinoma of the Parotid Gland	69	
	Alessandro Franchi, Luca Novelli, Cecilia Taverna, Michele Pietragalla, and Giuseppe Spinelli		
33	Case 33: Merkel Cell Carcinoma of the Lymph Node	72	
	Alessandro Franchi		
34	Case 34: Rhabdomyoma Adult Type	74	
	Alessandro Franchi		
35	Case 35: Embryonal Rhabdomyosarcoma of the Oral Cavity	76	
	Alessandro Franchi		
36	Case 36: Oral Myofibroma	78	
	Alessandro Franchi		
37	Case 37: Oropharyngeal Synovial Sarcoma	81	
	Alessandro Franchi		
38	Case 38: Pharyngeal Plasmacytoma	84	
	Alessandro Franchi, Giandomenico Maggiore, and Oreste Gallo		
39	Case 39: Plasmablastic Lymphoma of the Maxillary Sinus	86	
	Giulio Fraternali Orcioni		
40	Case 40: Natural Killer T-Cell Lymphoma	89	
	Alessandro Franchi		
41	Case 41: Sinonasal Melanoma	91	
	Alessandro Franchi		
42	Case 42: SMARCB1 (INI-1)-Deficient Sinonasal Carcinoma	93	
	Alessandro Franchi		
43	Case 43: Malignant Myoepithelioma	95	
	Alessandro Franchi		
44	Case 44: Olfactory Neuroblastoma	97	
	Alessandro Franchi		
45	Case 45: Sinonasal Neuroendocrine Carcinoma	99	
	Alessandro Franchi		
46	Case 46: Teratocarcinosarcoma	101	
	Alessandro Franchi		
47	Case 47: Sinonasal Alveolar Rhabdomyosarcoma	103	
	Alessandro Franchi and Cecilia Taverna		
48	Case 48: Inflammatory Polyp with Stromal Atypia	106	
	Alessandro Franchi		
49	Case 49: Sinonasal Undifferentiated Carcinoma	108	
	Alessandro Franchi		
50	Case 50: Human Papilloma Virus-Related Carcinoma with Adenoid Cystic-Like Features	110	
	Alessandro Franchi and Giandomenico Maggiore		
51	Case 51: Pleomorphic Adenoma of the Nasal Septum	112	
	Alessandro Franchi, Annarita Palomba, Cecilia Taverna, and Oreste Gallo		
52	Case 52: Sinonasal Ameloblastoma	114	
	Alessandro Franchi		
53	Case 53: Ameloblastic Fibrosarcoma	116	
	Alessandro Franchi and Adele Rosaria Tognetti		
54	Case 54: Low-Grade Sinonasal Adenocarcinoma, Non-Intestinal Type	118	
	Alessandro Franchi		
55	Case 55: Respiratory Epithelial Adenomatoid Hamartoma	119	
	Alessandro Franchi		
56	Case 56: Seromucinous Hamartoma	120	
	Alessandro Franchi		
57	Case 57: Sclerosing Polycystic Adenosis of the Nasal Cavity	121	
	Alessandro Franchi		
58	Case 58: Salivary Gland Anlage Tumor	123	
	Alessandro Franchi		
59	Case 59: Sinonasal Intestinal-Type Adenocarcinoma	125	
	Alessandro Franchi		
60	Case 60: Colorectal Carcinoma Metastatic to the Sphenoid	127	
	Alessandro Franchi and Iacopo Dallan		
61	Case 61: Nodular Fasciitis of the Nasal Cavity	128	
	Alessandro Franchi		
62	Case 62: Sinonasal Fibromyxoma	130	
	Alessandro Franchi and Adele Rosaria Tognetti		

Contributors

- Llucia Alos**
Department of Pathology, Hospital Clinic, University of Barcelona, Barcelona, Spain
- Roberto Barone**
Private Practitioner
- Paola Castillo**
Department of Pathology, Hospital Clinic, University of Barcelona, Barcelona, Spain
- Iacopo Dallan**
Unit of Otorhinolaryngology, Audiology and Phoniatics, Azienda Ospedaliera Universitaria Pisana, Pisa, Italy
- Alessandro Franchi**
Department of Translational Research University of Pisa, School of Medicine, Pisa, Italy
- Giulio Fraternali Orcioni**
Department of Pathology, “S. Croce e Carle” Hospital, Cuneo, Italy
- Oreste Gallo**
Section of Otolaryngology Head and Neck Surgery, Department of Surgery and Translational Medicine, University of Florence, Florence, Italy
- Aleš Grošelj**
Department of Otorhinolaryngology and Cervicofacial Surgery, University Clinical Centre, Ljubljana, Slovenia
- Grega Kragelj**
Department of Otorhinolaryngology and Cervicofacial Surgery, University Clinical Centre, Ljubljana, Slovenia
- Luca Giovanni Locatello**
Department of Otorhinolaryngology, AOUC Florence University Hospital, Florence, Italy

- Giandomenico Maggiore**
Otolaryngology Head and Neck Surgery, Careggi University Hospital, Florence, Italy
- Luca Novelli**
Section of Histopathology and Molecular Diagnostics, Azienda Ospedaliera Universitaria «Careggi», Florence, Italy
- Katarina Dimnik**
Institute of Pathology, Faculty of Medicine, University of Ljubljana, Slovenia
- Annarita Palomba**
Section of Histopathology and Molecular Diagnostics, Azienda Ospedaliera Universitaria «Careggi», Florence, Italy
- Michele Pietragalla**
Radiology Section, University of Florence, Florence, Italy
- Raffaella Santi**
Section of Histopathology and Molecular Diagnostics, Azienda Ospedaliera Universitaria «Careggi», Florence, Italy
- Giuseppe Spinelli**
Unit of Maxillofacial Surgery, Azienda Ospedaliera Universitaria «Careggi», Florence, Italy
- Cecilia Taverna**
Section of Anatomic Pathology, Department of Surgery and Translational Medicine, University of Florence, Florence, Italy
- Adele Renza Tognetti**
Second Division of Pathology, Azienda Ospedaliera Universitaria Pisana, Pisa, Italy
- Nina Zidar**
Institute of Pathology, Faculty of Medicine, University of Ljubljana, Slovenia