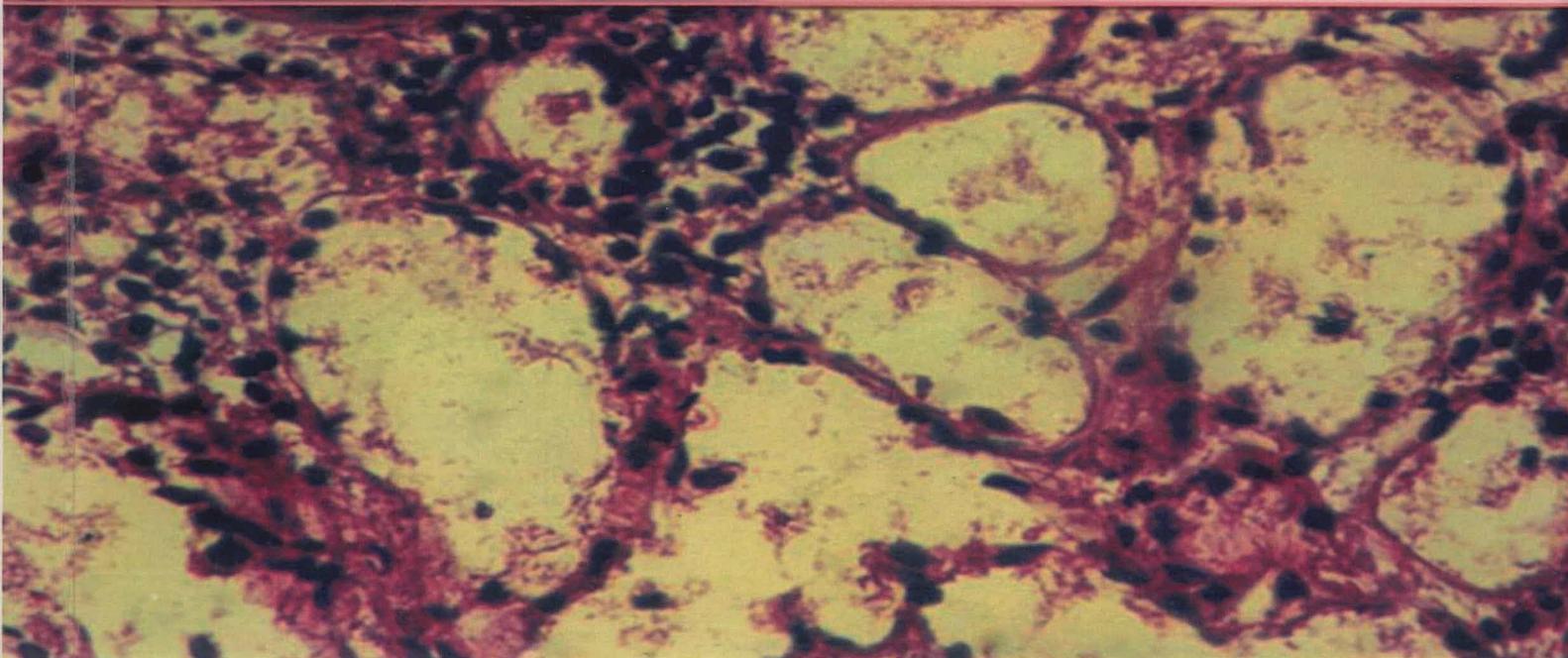




APPLICATION OF BASIC MEDICAL SCIENCES IN CLINICAL DENTISTRY



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IIUM Press

Published by:
IIUM Press
International Islamic University Malaysia

First Edition, 2011
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Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Nazih Shaaban Mustafa & Htar Htar Aung: Applications of Basic Medical Sciences in Clinical Dentistry

ISBN: 978-967-0225-84-5

Member of Majlis Penerbitan Ilmiah Malaysia – MAPIM
(Malaysian Scholarly Publishing Council)

Printed by :
IIUM PRINTING SDN. BHD.
No. 1, Jalan Industri Batu Caves 1/3
Taman Perindustrian Batu Caves
Batu Caves Centre Point
68100 Batu Caves
Selangor Darul Ehsan

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CHAPTER 5 Dr. Htar Htar Aung

Blood Vessels of the Head and Neck

5.1 Description on Common Carotid Artery

The right common carotid artery arises at the bifurcation of the brachiocephalic trunk behind the right sternoclavicular joint. The left common carotid artery directly begins from the arch of aorta. Both common carotid arteries ascend within the carotid sheath to the level of superior border of thyroid cartilage (upper border of C4 vertebra) where they divide into external and internal carotid arteries. The terminal portion of the common carotid artery is often dilated into the carotid sinus, which includes the commencement of the internal carotid artery.

Clinical Importance

The pulsation of the common carotid artery can be felt by pressing it against the anterior tubercle of the transverse process of C6 vertebra.