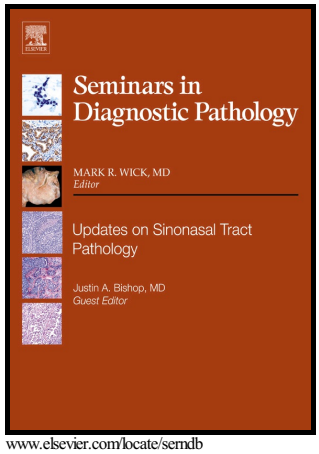
Author's Accepted Manuscript

A pattern-based approach to reactive lymphadenopathies

Alexandar Tzankov, Stephan Dirnhofer



www.elsevier.com/locate/semdb

PII: S0740-2570(17)30060-6
DOI: http://dx.doi.org/10.1053/j.semdp.2017.05.002
Reference: YSDIA50514

To appear in: *Seminars in Diagnostic Pathology*

Cite this article as: Alexandar Tzankov and Stephan Dirnhofer, A pattern-based approach to reactive lymphadenopathies, *Seminars in Diagnostic Pathology*, http://dx.doi.org/10.1053/j.semdp.2017.05.002

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

ACCEPTED MANUSCRIPT

A pattern-based approach to reactive lymphadenopathies

Alexandar Tzankov, MD, Stephan Dirnhofer, MD

Institute of Pathology, University Hospital Basel, Basel, Switzerland

Correspondence to: Head Histopathology and Autopsy, Institute of Pathology, University Hospital Basel, Schoenbeinstr. 40, 4031 Basel, Switzerland. Tel.: +41612653229. alexandar.tzankov@usb.ch

Accepted manuscript

Abstract

A crucial task in histopathological examination of enlarged lymph nodes is to discriminate malignant form benign processes. The central importance of this issue is reflected by the fact that benign lymphadenopathies mistaken for lymphomas belong to the most commonly misdiagnosed cancers. In addition, recognition of distinct histopathological patterns of reactive lymph node changes narrow down the potential number of causative agents, especially of those that can be specifically identified by means of often very resource consuming ancillary techniques; thus, the more precise the differential diagnosis established upon histopathological examination is, the more targetable and efficient the application of these techniques will be. This review provides a synopsis on a histopathological pattern-based approach towards reactive lymphadenopathies.

Key words

lymphadenopathy, reactive lymph node changes, histopathology, patterns

Introduction

Histopathological examination of enlarged lymph nodes is the gold standard to discriminate benign from malignant conditions causing lymphadenopathy (LA). This procedure is challenging to patients, their physicians, including those obtaining tissue for examination, and the surgical pathologist. The latter must be aware of the spectrum of non-neoplastic conditions, especially those mimicking lymphomas, that can affect lymph nodes as well as of those that are specific for a distinct cause (e.g. specific infection) to guide proper clinical decisions. The crucial importance of this is impressively illustrated by the fact that lymphomas, including benign LA mistaken for lymphomas, are thought to be the most common misdiagnosed cancers (1).

Download English Version:

https://daneshyari.com/en/article/8808048

Download Persian Version:

https://daneshyari.com/article/8808048

Daneshyari.com