

Dermatopathology Content Specifications 2010

New Validated and Practical Knowledge

1. Molecular classification/progression of melanoma
2. Transverse sections of scalp for specific diagnosis of alopecia
3. Molecular methods for identification and/or diagnosis of
 - high risk HPV types
 - leukemias/lymphomas
 - sarcomas
 - ambiguous melanocytic proliferations.
 - small blue cell tumors (e.g. melanoma vs PNET)
 - syndromes, such as Muir-Torre.
4. 2009 AJCC melanoma staging system
5. 2005 WHO-EORTC classification of cutaneous lymphomas
6. Role of polyoma virus in Merkel cell carcinoma.
7. PEComa of skin and soft tissue
8. Podoplanin as a marker of lymphatic vessels.
9. Application of new immunohistochemical markers to cutaneous pathology i.e.
 - CK5/6
 - TTF-1
 - p63 – adnexal carcinoma
 - MITF
 - Ber-Ep4
10. Nephrogenic systemic fibrosis and gadolinium contrast material
11. Necrolytic acral erythema and hepatitis C
12. Targeted therapy
 - ckit over expression-mutations in melanoma and imantib therapy

References

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Fundamental Knowledge

1. Inflammatory skin disease
2. Immunohistochemistry profiles of cancers and inflammatory disorders
3. Importance of clinicopathologic correlation for correct diagnosis
4. Pathogenesis of infectious disease, especially HPV.
5. Melanocytic neoplasms
6. Keratinocytic and adnexal neoplasms
7. Distinction between dermatofibroma and dermatofibrosarcoma protuberans.
8. Evolving variations on drug eruptions, especially those related to new chemotherapeutic agents.