Spitz nevus

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Spitz nevus

Reed nevus

BAP-1 inactivated nevus
9 y.o. boy
Right scapula
DD granuloma pyogenicum
Spitz nevus

- Spitz nevi are composed of large oval (epitheloid) or spindled melanocytes
- They may closely simulate several forms of melanoma (spitzoid and spindle cell melanoma)
- The main histological clues are:
  - Symmetry
  - Sharp lateral borders
  - Scarcity of mitoses in the deep part
  - Large Kamino bodies
  - Evenly distributed epidermal hyperplasia
  - Young age of patient
- Variants: desmoplastic, recurrent, halo nevus
- Adjunctive molecular techniques if doubt
Initially described by Spitz as Melanoma Of Childhood, but benign clinical course than adult melanoma.
Spitz nevus
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Atypical Spitz nevus
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- DD melanoma / prognosis not sure

**MELTUMP:**
- melanocytic
- tumor with
- uncertain
- malignant
- potential
Reed nevus

male, 15 y.o.
left medial malleolus
Reed nevus

- Small strong pigmented lesion, usually lower part of the body in young patients
- Considered it a distinctive variant of the Spitz nevus
- In early stages: distinct nested pattern. Nests are composed of dendritic melanocytes and numerous melanophages. Dermal melanophages and inflammatory infiltrates.
- In its mature form: ribbonlike architecture with closely apposed nests composed of small elongated spindle cells. Monomorphous melanocytes devoid of nuclear atypia.
- Most important DD: spindle cell melanoma, the most distinctive clues:
  - Lack of nuclear pleomorphism
  - Lack of solar damage in surrounding skin
  - Maturation of the melanocytes toward the base of the lesion
  - Uniform pigment distribution and prevalence of nests, rather than single cells
female, 47 y.o.
mid back
dl wart, fibroma, bcc
BAP-1 inactivated nevus

- Large oval melanocytes with ground glass cytoplasm
- Large oval vesicular nuclei
- Germline mutation BAP-1 gene: familial occurrence and increased risk of ocular melanoma and mesothelioma
- CGH and IHC show loss of BAP-1
- Unlike Spitz nevi, initiating b-raf mutation
BAP-1 inactivated nevus
Thank you for your attention