

PEDIATRIC PATHOLOGY CONTENT SPECIFICATIONS

New Validated Practical Knowledge

1. Classification of pediatric interstitial lung disease
2. Eosinophilic esophagitis
3. Risk stratification in pediatric leukemias (especially ALL based on cytogenetic findings) and correlation with immunophenotyping
4. Brain stem serotonergic abnormalities associated with sudden death syndrome
5. Placental pathology in cerebral palsy
6. Villitis of unknown etiology
7. Fetal thrombotic vasculopathy
8. Use of p57kip2 in differentiating complete from partial mole
9. C4d in acute and chronic humoral rejection
10. Diagnosis and classification of pediatric vascular lesions using GLUT-1 and D2-40 immunohistochemical staining
11. Diagnosis and classification of pediatric renal carcinoma
Use of cytogenetics and TFE3/TFEB immunohistochemical staining
12. Diagnosis of malignant rhabdoid tumor
Use of cytogenetics and INI-1/BAF47 immunohistochemical staining
13. Use of calretinin staining in the diagnosis of Hirschsprung disease

References

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- Kapur RP, Reed RC, Finn LS, Patterson K, et al. Calretinin immunohistochemistry versus acetylcholinesterase histochemistry in the evaluation of suction rectal biopsies for Hirschsprung disease. *Pediatr Dev Pathol* 2009; 12:6-15

Fundamental Knowledge

1. Perinatal/placental pathology
2. Pediatric leukemias and lymphomas
3. Hirschsprung disease, diagnostic criteria
4. Complications of prematurity (chronic lung disease, necrotizing enterocolitis)
5. Neonatal cholestasis, diagnostic criteria
6. Pediatric transfusion medicine
7. Approach to the congenitally abnormal fetus
8. Pediatric solid tumors (Wilms tumor, neuroblastoma, Ewing sarcoma, rhabdomyosarcoma)
9. Melanocytic skin lesions in children

General References

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