

**Distribution of Questions (110)**  
**Oral Pathology 2006 Final Examination (IV)**

Clinicopathologic Conferences (Dr. Rose)	(5)
Dermatologic Diseases (Chapter 16)	(28)
2x Autoimmune disorders (e.g., pemphigus, pemphigoid, etc)	11
3x Erythema multiforme & related conditions	3
4 Dermatoses/mucositis (miscellaneous, e.g., lichen planus, erythema migrans, etc)	8
1 Genodermatoses (genetic disorders e.g., white sponge nevus)	6
Diseases of Bone (Chapter 14)	(26)
Inherited diseases of bone	4
Non-inherited non-neoplastic diseases, focal or generalized developmental disorders, cysts-like lesions (e.g., simple cyst, Paget disease, osteopetrosis, etc.)	12
Benign neoplasms of bone	1
Primary malignant neoplasms of bone (e.g. osteosarcoma)	5
Fibro-osseous (cemento-osseous) lesions (e.g., fibrous dysplasia)	3
Metastatic tumors to bone	1
Facial Pain and Neuromuscular Diseases (Chapter 18)	(10)
Bell's palsy	2
TMD, arthritis and other TMJ disorders	4
Neuralgias (typical & atypical)	3
Burning mouth, referred oral pain/misc	1
Comprehensive Component	(36)
Periapical disease <i>Granuloma/cyst identical Radiographically</i>	1
Pathology of the teeth	4
Definitions	3
Differential diagnosis of oral lesions <i>PL #3 reverse = Erythroplakia</i>	1
Squamous cell carcinoma and precancerous conditions <i>Leukoplakia, Erythroplakia, SCC</i>	4
Benign oral tumors (including benign neoplasms)	4
Odontogenic cysts and tumors <i>Dentigerous cyst &gt;4 mm / OKC Histo / Nevroid Basal cell / Ameloblastoma / Odontoma</i>	4
Miscellaneous oral conditions or oral manifestations of systemic disease (e.g., Langerhans cell, leukemia, pyogenic granuloma)	7
Infectious oral diseases (e.g. herpes)	2
Periodontal diseases	3
Salivary gland diseases <i>Mucocele/Kanula / Lithiasis / Sjogren / Pleomorphic Adenoma / MUCO Ep / Adenoid Cystic</i>	4
<i>xerostomia/sicca → 2° has sicca + autoimmune ↓</i>	
<i>↑ Salivary Neoplasm    ↓ malignant</i>	
<i>↑ Perineural Invasive</i>	
Caries and Pulp Disease (4 questions are accompanied by photomicrographs)	(5)

*Langerhans cell - Severe bone loss (teeth floating in air), eosinophils, Birbeck bodies in Langerhans cell*  
*Leukemia - chloroma (tissue swelling from leukemic cell infiltration), ulcers, petechiae,*  
*Pyogenic granuloma - Not a true granuloma. Tissue response to Trauma, hormones (pregnancy)*

Congenital Dysplasias (6a)

— Ectodermal Dysplasia - 2 or more ectodermal structures fail to develop (ex. skin, hair, nails, teeth, sweat & salivary glands)  
 X linked (male predominant) signs include anostomia, alopecia, fine hair, hypodontia, oligodontia, crown may be tapered, pointed, and smaller than normal

— White sponge Nevus also called Carrion's Dx & Familial White Folded Dysplasia present @ birth  
appears: symmetric, thick white, corrugated/velvety plaque affects: buccal mucosa also may involve tongue, alveolar ridge, floor, nasal, esophageal, anogenital normally asymptomatic  
 histo - hyperparakeratosis & acanthosis w/ eosinophilic condensations of keratin tonofilaments

— Hereditary Benign Intraepithelial Dyskeratosis (HBID) also called Wittkop-Von Sallmann Syndrome  
 Rare seen mainly in triracial isolates (inbred Idahoans, Canadian immigrants, and yuppie private school br)  
appears childhood signs oral & conjunctival lesions (similar to white sponge) this, opaque, gelatinous plaque in conjunctiva & sometimes cornea. Eyes may itch tear/pt. can have photophobia  
 more dominant in spring regress in fall, blindness from vascularity Histo cell w/in a cell

— Darier's Dx also called Keratosis Follicularis, Dyskeratosis Follicularis, Darier-White Dx.  
 auto dom. problem between surface squamous epithelial cells / numerous erythematous, pruritic papules on trunk & scalp (2nd decade) lesions are rough & degradation keratin gives a foul odor  
palm & heel pits / nails have lines, ridges, or painful splits, 15-50% have oral lesions which are white, flat topped (like Gibb) papules, & if clustered then coldestoneish on hard palate & alveolar parotid swelling in some pt. Hist rete pegs are long, narrow, & test tube shaped.

— Peutz-Jeghers Syndrome  
 Auto Dom w/ 35% new mutation. Treacle-like lesions of hands, perioral, & perinasal skin & oral mucosa Pt.s have Intestinal Polyposis, starts in early childhood 85% have extremities involved color not effected by sun / are hamartomas in ileum & jejunum also can get intussusception (telescoping) or bowel obstruction 2-3% get GI adenocarcinoma although polyps are not considered premalignant / oral lesions 1-4 mm blue-gray macules on labial/buccal mucosa and tongue in 90% of pts

— Hereditary Hemorrhagic Telangiectasia (HHT) also call Osler-Weber-Rendu syndrome or KWC hypowinkysm  
 Auto Dom mucocutaneous disorder, numerous vascular problems like vascular hamartomas  
 Initially Diagnosed because epistaxis on exam many red papules (1-2mm) are seen on nasal/oropharyngeal mucosa  
 The papules are small collections of capillaries (telangiectasias) that bleach seen commonly on lips tongue & buccal m.  
 Also seen on hands, feet, GI & UG & conjunctiva. GI telangiectasias have a tendency to rupture and bleed / A-V fistulas develop in liver, lungs, brain. Crest similar but has autoantibodies  
 Tx electro or cryo surgery, dermoplasty, Estrogen, Iron replacement for GI bleeders

— Ehlers-Danlos Synd.  
 10 disorders of collagen formation - hyper mobility of joints, easily bruised, elastic skin  
 80% type I (severe) or type II (mild) both auto dom & have hyperelastic & skin fragility & scarring  
 type III same but no scarring / type IV & VII less type III collagen / \*50% have gdm sign (touch nose w/ tongue)

— Tuberous Sclerosis  
Seizures, retardation, angiofibroma of skin / Due to Auto Dom. w/ 50% new mutation  
angiofibromas - smooth papules mainly in nasiolabial fold / (ungual fibromas) around nails, shagreen patches (CT hamartoma) on trunk, ash-leaf (hypopigmented area) seen w/ woody lamp



## - Epidermolysis Bullosa

blistering mucocutaneous disease (detachment of epithelial cells) 3 main types  
① Simple = mild form → ② Junctional = skin sloughs off during birth through vagina baby dies → ③ **Dystrophic** = oral lesions, dental abnormalities (anodontia, enamel hypoplasia neonatal teeth, & carries) / Atro dom. dystrophic form not life threatening but disfiguring = vesicles in low grade trauma areas (knees knuckles) they pop leaving ulcers then scars  
Resistive dystrophic form more debilitating, vesicle in minor trauma w/ infection scars can fuse Pt's fingers Immunohistochemistry helps diagnose  
Dystrophic form predispose Pts to squamous cell carcinoma (Be gentle to these Pt.s)

## Autoimmune (IIg's)

**Pemphigus** P. vulgaris <sup>most common</sup>, P. vegetans, P. erythematosus, & P. foliaceus <sup>T\* oral lesions more common</sup>  
P. vulgaris if untreated can kill, \*oral lesions 1st sign "1st to show & last to go" results from autoantibody against epidermal cells glycoproteins part of DESMOSOMES  
Age 50 / Pt.s have pain in palate, labial/buccal mucosa, ventral tongue & gingiva are involved can get thin walled oral vesicles that rupture quickly - Positive Nikolsky Sign  
Take biopsy from perilesional tissue / epithelium sloughs off leaving basals cell described as "Rows of Tombstones" / Acantholysis = separation of epithelial cells  
Intraepithelial Separation just above basal cell layer  
Tx Tank cells loose rounded cells epi. cells (seen in Herpes also)  
Tx Immunofluorescents helps diagnose / Steroid therapy \*s to morbidity

**Cicatricial Pemphigoid** also called Benign mucous membran pemphigoid  
chronic blistering mucocutaneous disease autoimmune looks like pemphigus  
Tx Cicatricial means scar it attacks basement membranes age 60 Primarily Oral <sup>Mucosal lesions</sup>  
start as vesicle then rupture & leave large ulcers can last for wks/mos.  
Tx Pericalls this Desquamative Gingivitis Eyes can be involved you get  
Tx Symblepharons (adhesions), entropion (scarring turns eyelids in), trichiasis (eyelash rubs cornea)  
eye are dry cause closed lacrimal ducts  
Perilesion tissue shows subepithelial clefting / immunofluorescence shows linear band @ basement membran differs from linear IgA disease cause IgG & C3 are primary immune deposit  
send to ophthalmologist can use steroids

## → Erythema Multiform (3q)

vesiculobullous, ulcerative disease w/ unknow cause 50% ~~other~~ <sup>preceded by</sup>  
infections like Herpes simplex or Mycoplasma pneumoniae  
acute onset ranging from ulceration of mouth to sloughing off of all skin (toxic necrosis)  
Age 20-30 sex Male you get fever, headache, cough, & malaise (prodromal)

• many forms of skin lesions. Early - Flat, round, dark red → evolve into bullae w/ necrotic center

"TARGET LESIONS" concentric erythematous Rings

• oral lesions - start as erythematous patches, become necrotic, form ulcer

**E.M. MAJOR** (Stevens-Johnson Syndrome) - more severe, Drug-Triggered

↳ Has to have ocular + Genital lesions w/ oral + skin lesions

Toxic Epidermal Necrolysis - most severe form. Triggered by drug. diffuse sloughing of skin + mucosa  
- skin heals in 2-4 wks if they survive, may have permanent ocular damage



- Histo of E.M - SUBEPITHELIAL Vesiculation w/ Necrotic Basal cells  
- Inflammatory infiltrate w/ perivascular orientation
  - Tx: corticosteroids
- psoriasis also

## ERYTHEMA MIGRANS (geographic Tongue)

- Common benign condition. F 2:1.
- A type of hypersensitivity rxn or hormonal factors.
- White lesions w/ atrophic Red centers. Red from Atrophy of Filiform Papillae.
- Histo: Collections of neutrophils (MUNRO ABSCESSES) seen in Epithelium  
- Resembles Psoriasis

## REITER'S SYNDROME - urethritis, arthritis, conjunctivitis (can't pee, see or climb a tree)

- Young Males. Get it after dysentery or venereal disease
- Oral lesions = painless erythematous papules or ulcers, geographic tongue
- Skin lesions - erythematous erosions w/ scalloped whitish boundary.
- Histo: Similar to psoriasis. Microabscesses in superficial epith., hyperparakeratosis + elongation of Rete

## LICHEN PLANUS: Immune-mediated, related to stress?

- Some drugs can produce similar lesions (lichenoid mucositis)
- Pruritic Purple POLYGONAL PAPULES w/ WICKHAM'S STRIAE (fine white network of lines)
- 2 oral forms: RETICULAR: Buccal mucosa. INTERLACING STRIAE. Asymptomatic.  
EROSIVE: Gingiva. RADIATING STRIAE. SYMPTOMATIC. erythematous w/ central areas of ulceration. Produces desquamative Gingivitis.
- Histo: ortho/parakeratosis. SAW-TOOTH Rete Ridges. Band of T-lymphocytes adjacent to epith.
- Can diagnose on just clinical findings

## PSORIASIS: proliferation of cutaneous keratinocytes. Well-demarcated erythematous plaques with Silvery Scale.

- Erythema Migrans is possibly intraoral psoriasis (both have Munro Abscesses)
  - Histo: Surface has thick Parakeratin. MUNRO ABSCESSES seen - perivascular inflammatory cell infiltrate.
  - Tx - steroids, keratolytic agents, UV light.
- Erythema Multiform also

## LUPUS ERYTHEMATOSUS: SLE + CLL

- ① SLE: Multisystem disease related to B-cell activity + abnormal T-cell function Cause: unknown
    - ~~Early~~ Early stages - vague symptoms - fever, malaise, wt. loss. Common finding: Butterfly Rash, Kidney Problems, Libman-Sacks endocarditis (vegetation deposition of immune complex)
    - ORAL: Lichenoid appearance but varies. Ulceration, pain, hyperkeratosis.
  - ② Chronic Cutaneous L.E. → Primarily affects skin + oral mucosa.
    - few signs of SLE, skin lesions called discoid Lupus Erythematosus. Early red patches - worse in Sun  
atrophy, scarring + hyperpigmentation.
- Histo of L.E.: oral lesions: hyperkeratosis, atrophy + thickening of spinous layer. basal layer degeneration
  - Pt's should avoid UV light. Give immunosuppressive drugs
  - Renal failure common cause of death.

## SYSTEMIC SCLEROSIS (scleroderma). Dense Collagen deposits

- 1st Sign: Raynaud's Phenomenon. Also get resorption of finger tips. This w/ flexion contractions produces short CLAW-LIKE fingers.
- Skin = hard w/ smooth texture. MASK face, Mouse Face (microstomia)
- Fibrosis of organs = organ failure
- <sup>ORAL</sup> Microstomia - purse string appearance. gingival recession, ~~loss of tongue mobility~~ loss of tongue mobility widening of PDL.
- Localized scleroderma - "Coup de Sabre" on a patch of skin.
- Histo: diffuse collagen deposition - replacing + destroying normal tissue.
- Microstomia can cause severe oral health problems.

## CREST Syndrome - mild variant of Systemic Sclerosis

Calcinosis Cutis - calcifications in skin

Raynaud Phenomenon

Esophageal dysfunction

Sclerodactyly - stiff claw-like flexure of fingers.

Telangiectasus - on facial skin + lips

Diagnosis: anti-centromere antibodies.



# BONE PATHOLOGY



## OSTEOGENESIS IMPERFECTA - Impaired Collagen Maturation

- Most Common Heritable bone disease.
- Bone fragility, Blue Sclera, altered teeth, hearing loss, bone + spine deformity, Joint hyperextensibility.
- ORAL: Dentinogenesis Imperfecta, Maxillary Hypoplasia w/ Class III. Radiograph similar to Florid cemento-osseous dysplasia
- Type I - common + mild form. Type II - Most severe form (90% stillborn) Type III - Mod. - severe bone fragility 2/3 die in childhood Type IV - mild - mod. bone fragility

## OSTEOPETROSIS - Increased Bone Density from non-functioning osteoclasts = ~~no~~ no remodelling.

- Bone growth without resorption → Thickened Bone.

### INFANTILE FORM (malignant form): Marrow failure, Fracture, Cranial Nerve Compressions (with fracture).

- Kidney, Liver Growth, Infections, osteomyelitis
- Delayed tooth eruption, extraction osteomyelitis

### Adult (Benign) Form → limited to Axial Skeleton, rare marrow failure, sometimes Bone Pain → Cranial Nerve Compression (w/ or w/out Fracture)

- Tx -

## CLEIDOCRANIAL DYSPLASIA → defect in osteoblast differentiation + Bone Formation.

- Malformed / absent clavicles, Short, large head w/ Bossing, Hypertelorism, depressed Bridge of nose.
- Persistent open Fontanels + Cranial Sutures
- Dental: high palate (no cleft), deciduous retention / delayed perm. eruption, numerous unerupted teeth.  
- Narrow Ramus, pointed coronoid Processes, thin zygomatic arch, prognathism.

## FOCAL OSTEOPOROTIC MARROW DEFECT - Non-Pathologic area of marrow big enough to be a radiolucency.

- Ill defined lucency a few cm in size. 75% are Adult Females, Post. Mandible

## IDIOPATHIC OSTEOSCLEROSIS - Focal increased Radiodensity <sup>usually</sup> around roots of teeth.

- ~~AKA Jansen's Osteitis~~ - Age: 20's - well defined Rounded mass 3-20 mm.
- Mandibular Molar/PM area. Must rule out Condensing Osteitis (pulp disease).
- No treatment, biopsy if expansion present.

## MASSIVE OSTEOLYSIS - Rare Spontaneous destruction of bone. Vanishing bone disease

- Young. Pelvis, humerus, Axial skeleton. Maxillofacial ~~bone~~ involvement
- mobile teeth, pain, malocclusion, Midline deviation, pathologic Fracture, sleep apnea.
- loss of Lamina dura

## PAGET'S DISEASE (OSTEITIS DEFORMANS)

- Abnormal anarchic Resorption + Deposition.
- Common age 40 Male white.
- usually Polyostotic. Leg Bowing, Fracture, bone + joint pain, pressure neuropathy.
- progressive alveolar ridge expansion → Teeth spacing, dentures don't fit.
- Patchy sclerotic areas w/ Cotton wool Appearance. MOSAIC Pattern (microscopic), Marrow is replaced by vascular Fibrous CT (radiographic)
- elevated Alkaline Phosphatase, elevated urinary hydroxyproline levels
- Risk of osteosarcoma



## CENTRAL GIANT CELL GRANULOMA - Not a real granuloma, non-neoplastic, UNIQUE TO JAW

- Anterior Mandible
- Painless expansion
- Aggressive ones = pain, rapid growth, cortical perforation, root resorption.
- Uni locular or M.L. 5mm - 10cm<sup>+</sup>
- Indistinguishable from Hyperparathyroid, Cherubism, aneurysmal bone cyst - must do differential diagnosis.
- Many multinucleated Giant cells in stroma of spindle-shaped mesenchymal cells.
- usually non-aggressive.
- w/ lots of vessels + hemorrhage.

## GIANT CELL Tumor - a true neoplasm, found in long Bones

- can't distinguish from CGCG histologically but behavior is diff - 10% metastasis and higher recurrence.

## CHERUBISM - Happens in kids, stabilizes at puberty then slowly regresses. This is a developmental Jaw disease.

- Rounded face, Eyes pointed upwards
- posterior Mandible = symmetrical Multilocular expansion
- Maxillary - in tuberosity areas.
- The bone widens + distorts alveolar ridges = Tooth displacement, altered eruption
- Almost always in jaws but sometimes in clavicle, ribs + humerus
- Microscopically similar to CGCG. Longstanding lesions become more fibrous w/ less Giant Cells.

## SIMPLE BONE CYST - a benign cavity in bone w/ NO epithelial lining = (a pseudocyst)

- Mostly long bones, sometimes Mandible - PM/Molar Region - well delineated RL, scalloped upward between roots of Teeth (UL)
- Do a Pulp Test, can be associated w/ cemento-osseous dysplasia.  
↳ The tooth is vital.

## ANEURYSMAL BONE CYST - Non-Neoplastic but mimics neoplasm, NOT A TRUE CYST

- Cause: Trauma, Vascular malformation - disrupts the bone hemodynamics.
- Tons of blood filled spaces surrounded by fibrous CT and reactive Bone. Blood-soaked sponge.
- Usually in long bone 2% in Jaw - post. Mand.
- Rapid swelling/pain. UL or ML RL w/ cortical expansion, Ballooning Bone contour (blow-out) Sometimes has R.O. foci or small trabeculae.

## FIBRO-OSSEOUS LESIONS - have Fibrous Tissue + Osseous (bone/cementum) tissue.

① FIBROUS DYSPLASIA → Normal bone replaced by excessive fibrous CT intermixed w/ irregular bone trabeculae. (The normal bone is regressing back to woven bone stage)

- MONOSTOTIC, Jaws common (MAXILLA > mand)
- Ground Glass appearance w/ expansion, Long bones are RL (microscopically the same though).
- Narrow PDL, Lamina dura indistinct, I.A. Nerve displaced superiorly.

POLYOSTOTIC (PFD) → Jaffe-Lichtenstein = PFD w/ cafe-o-lait  
→ McCune Albright = PFD, Cafe-o-lait, and Endocrinopathies

- Histo: CHINESE CHARACTERS - woven trabeculae in fibrous stroma

• Can get Osteosarcoma

② CEMENTO-OSSEOUS DYSPLASIA → Focal Periapical - only in jaw (cemento), non-neoplastic  
→ Florid. - ↑ in R.O. over time

- has Histo of: Woven Bone, Lamellar bone + cementum-like particles mixed in cellular CT.

③ FOCAL - only one lesion. young white Females. Less than 1.5cm. Post Mand.

- if R.O. - has a thin R.L. rim.
- gritty tissue not easily separated from bone.



b) Periapical - Black middle aged Females, anterior Mand. \* Vital teeth (pulp test). < 1cm  
- PDL Intact - opacity not fused to tooth.

c) FLORID - Black mid-age Females - MULTIFOCAL but not limited to ant. mand.  
- RL or RO. Sometimes assoc. w/ Simple Bone Cyst

③ OSSIFYING FIBROMA - True Neoplasm - Mix of Fibrous Tissue + bony trabeculae, or cementum spherules  
• Female 30 PM/M region Mand. usually single lesions  
• Large lesions produce painless swelling. + downward bow of inferior mandible.  
• Well defined RL w/ sclerotic border that has varying amounts of radiopacity.

Juvenile Ossifying Fibroma - more aggressive, found in Maxilla

- Maxilla impinges on sinuses, orbit, nose + cranium.
- Cellular fibrous tissue w/ strands of osteoid.
- Growth variable - faster in younger kids

OSTEOMA - Benign tumor of mature bone restricted to Craniofacial skeleton.

- Periosteal = slow growing mass Endosteal = asymptomatic or slow enlargement.
- on condyle - deviates midline - lobular mass
- Radiograph: Circumscribed Sclerotic Mass

GARDNER SYNDROME - Osteomas, supernumerary teeth, epidermoid cysts, Colon Polyps / colon cancer.

OSTEOBLASTOMA + OSTEIOD OSTEOMA - microscopically identical bone neoplasms

Osteoblastoma - in vertebrae, Sacrum, calvarium, long bones, digits, - no pain

Osteoid osteoma - Femur, tibia + Phalanges. - opaque center RL edge, Pain.

CEMENTOBLASTOMA → Same as osteoblastoma but attached to tooth.

- Post. Mand - 1st Molar 50%. Children / Young Adults.
- opaque mass fused to Root w/ RL Rim
- Extract mass, Root amputation + endo

CHONDROMA - Benign Neoplasm of hyaline cartilage. Uncommon in Jaw - usually in fingers + toes

- Multiple chondromas in Ollier dx or Maffucci Syndrome
- RL w/ central opacity.

CHONDROMYXOID FIBROMA - Benign Neoplasm at metaphysis of long bones - Jaw lesions Rare.

- Circumscribed RL w/ sclerotic margin 1-6 cm. Can confuse w/ chondrosarcoma histologically.

SYNOVIAL CHONDROMATOSIS - non-neoplastic arthropathy - cartilaginous nodules form within synovial membrane

- usually in one large joint - knee elbo hip shoulder. (condyle is rare)
- Radiographically - Loose Bodies in joint - Round + irregular radiopacities, widened joint space.

Desmoplastic FIBROMA - Bone tumor of fibroblast tissue.

- Metaphyseal region of humerus most common. Molar - ramus region of mandible. at age 14.
- Painless swelling w/ RL in bone
- composed of bland collagenous CT, sometimes locally destructive



## OSTEO SARCOMA - Most common 1° Malignancy of Bone (non-hematopoietic).

- Young - distal femur / proximal tibia Old - assoc. w/ Paget's dx in axial skeleton.
- 6-8% in jaws. Swelling/pain, loose teeth, paresthesia, nasal obstruction
- 3 subtypes: Osteoblastic, chondroblastic, Fibroblastic histologically.
- RL or RO, ill defined. Widening of PDL. Osteophytic Rxn (Sun Ray) in 25%.
- 

## CHONDROSARCOMA - malignant neoplasm forming cartilage. Rare in Jaws (maxilla)

- painless mass. loosening of teeth, epistaxis, nasal obstruction, visual disturbances.

## EWING'S SARCOMA: 1° bone malignancy - Neuroendocrine origin

- 90% show Reciprocal translocation. Jaw lesions Rare.
- Peak is 2nd Decade ~~for~~ 80% less than 20 yrs Rare in Broth's
- Pain, Paresthesia, loose teeth
- ONION SKIN periosteal Reaction (in long bones)
- Histo: ROUND cells, \*angiotropism (congregate around Blood vessels), Necrosis

## Metastatic Jaw Tumors - Uncommon for met's - but can commonly involve the mandible Microscopically.

- Most Jaw Met's in Mandible.
- Pain, loose teeth, paresthesia
- Lucent lesion well or ill defined (moth eaten)
- Can mimic Periapical dx - occasional widened PDL space.
- Some carcinoma met's can stimulate bone growth - (usually osteolytic but can be osteosclerotic)
- Stage IV - less than 1 yr survival

## Neuroblastoma - most common solid tumor of Childhood