



Hematopatoloji slayt semineri

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KTÜ Tıp Fakültesi

Tıbbi Patoloji Anabilim Dalı



25. Ulusal Patoloji Kongresi
6. Sitopatoloji Kongresi

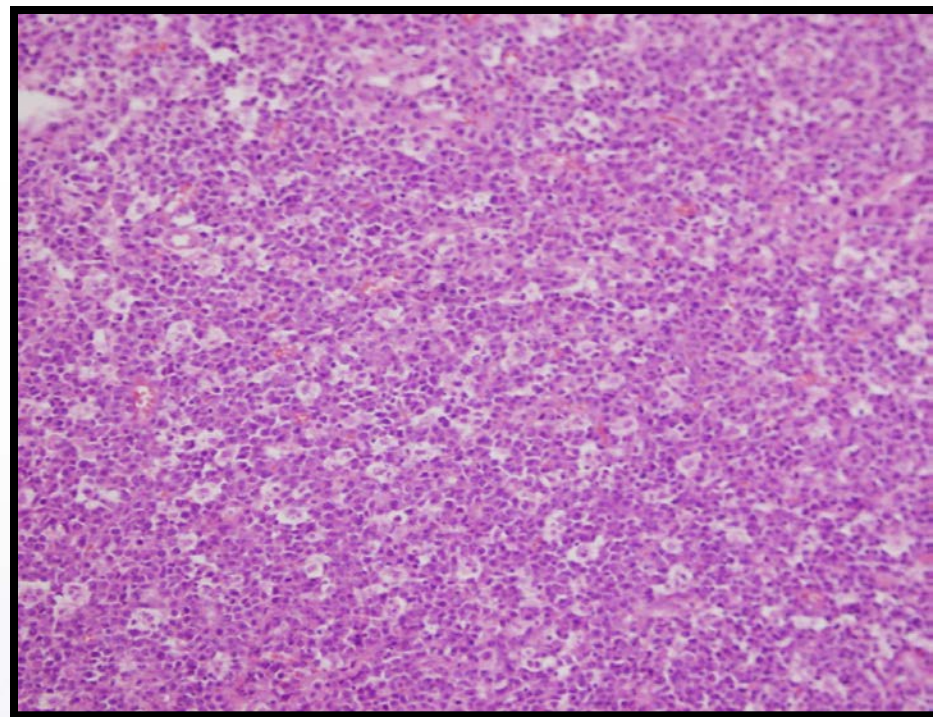
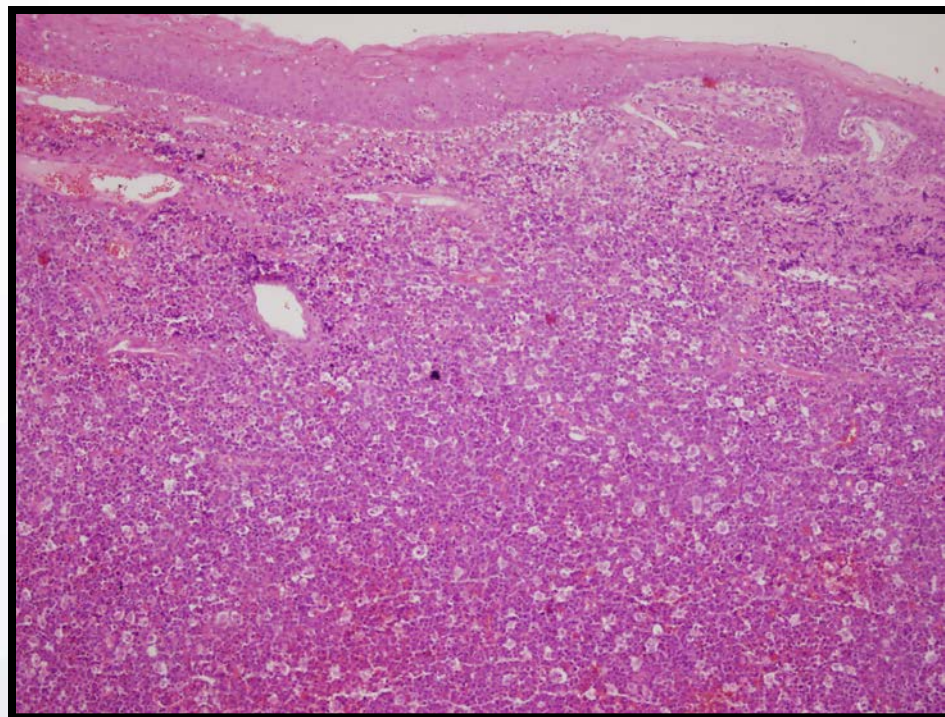
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Olgu Sunumu

- 54y, E
- Tek taraflı tonsil hipertrofisi → tonsillektomi
- HIV (+)
- CD4: 39/mm³ (N: 500-1200/mm³)
- HIV RNA: 10.000.000 c/mL
- Konsültasyon parafin blok
- K.İ biyopsi: Normoselüler



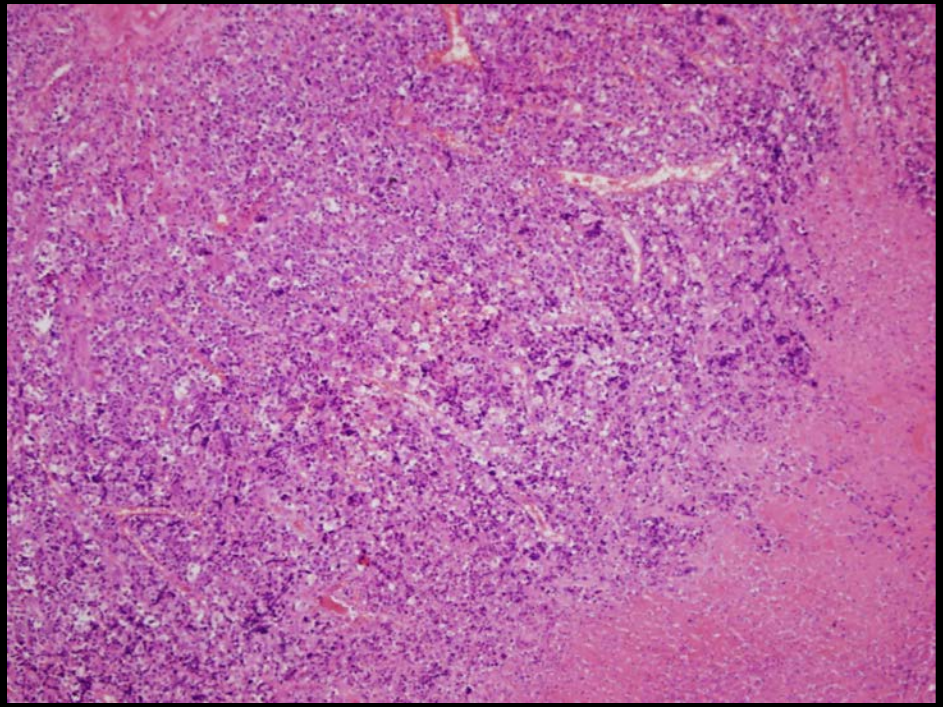
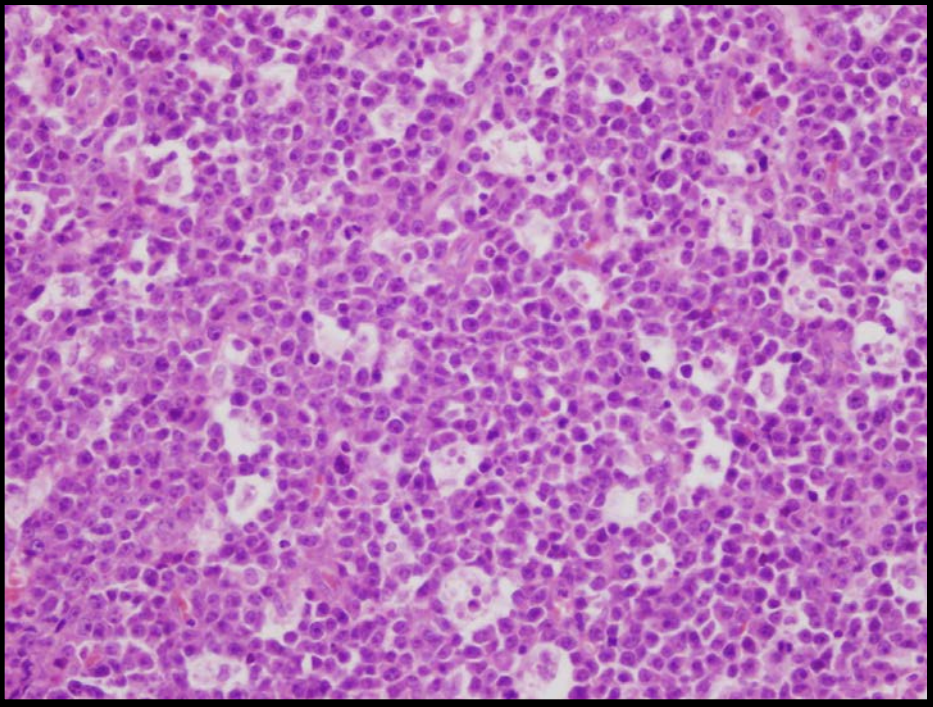


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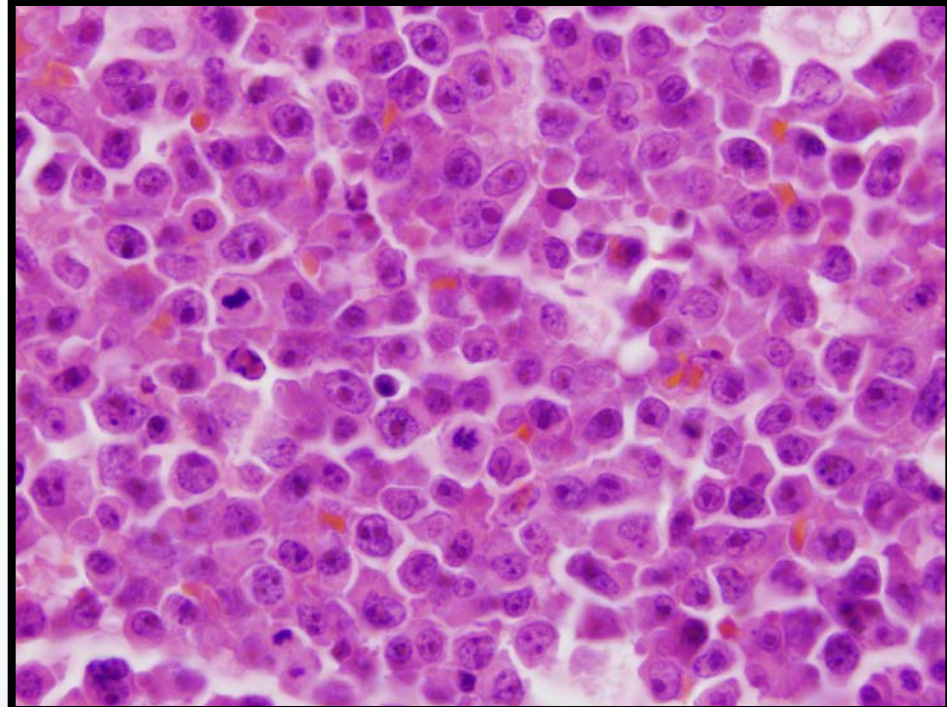
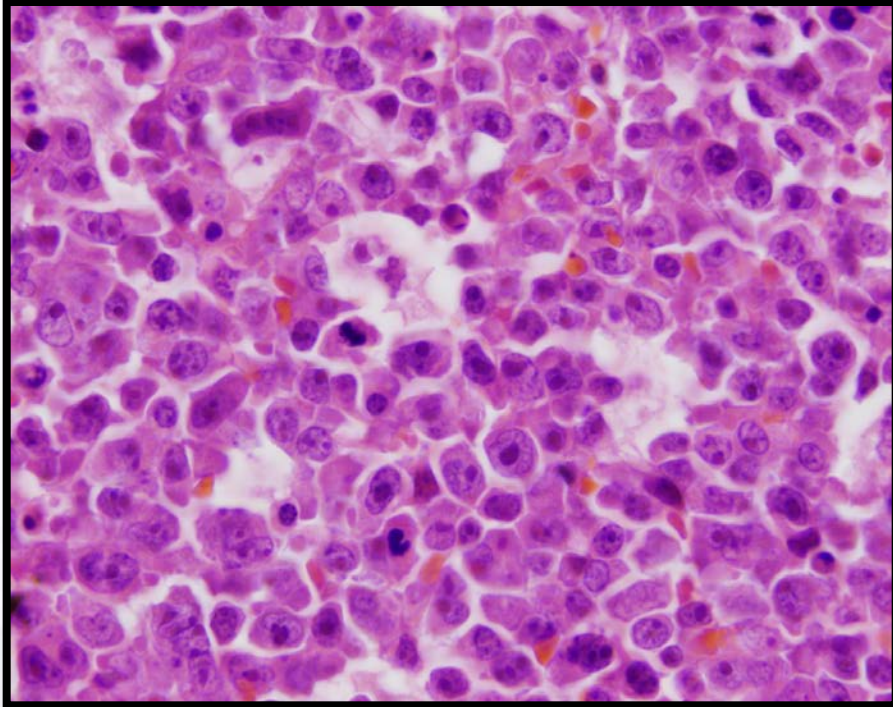


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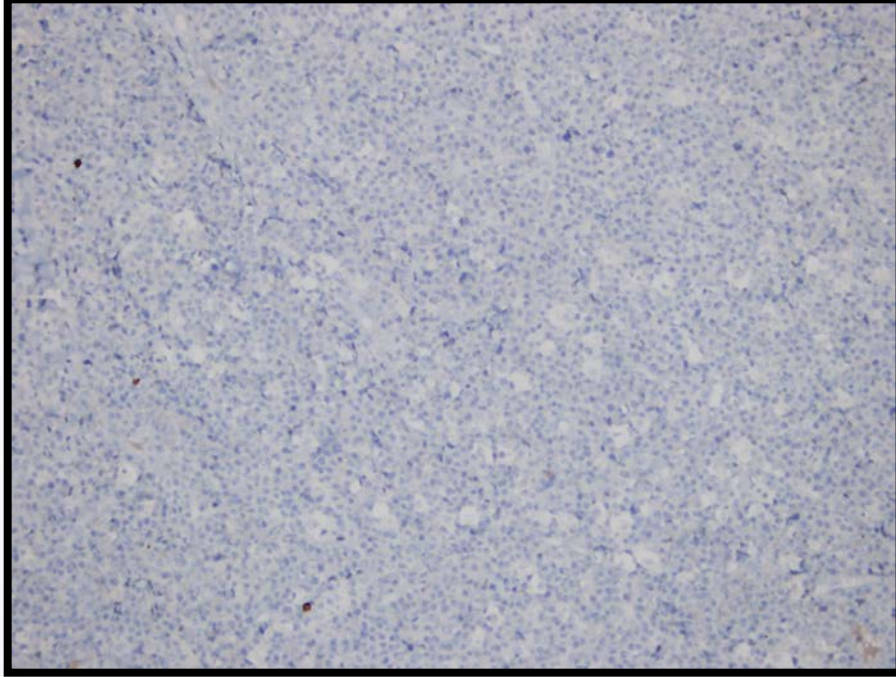
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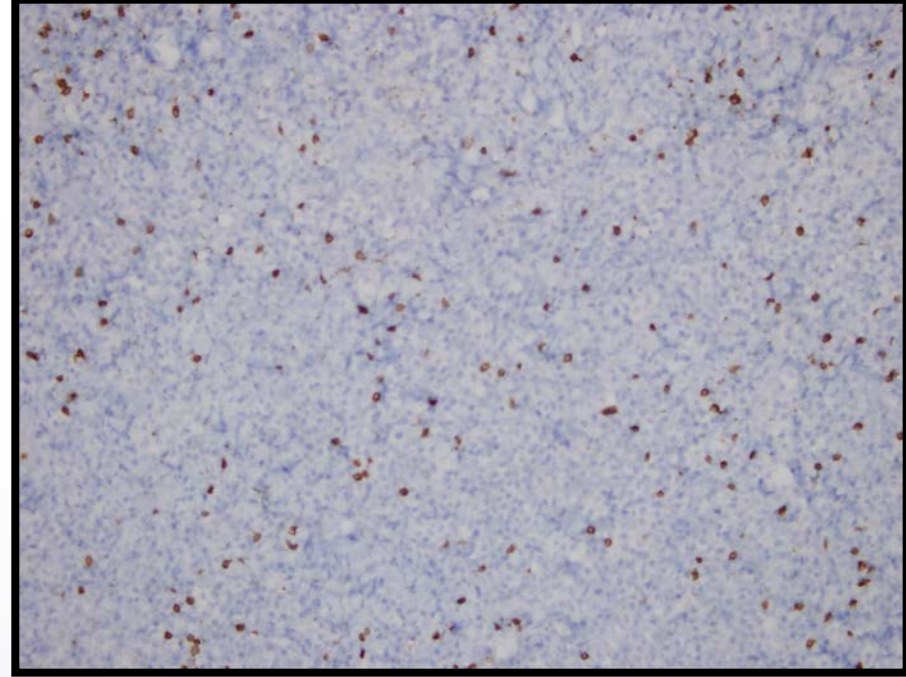
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İmmünohistokimya



CD20



CD3



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İmmünohistokimya

B hücre işaretleyicileri

- pax-5:(-)
- CD19:(-)
- CD22:(-)

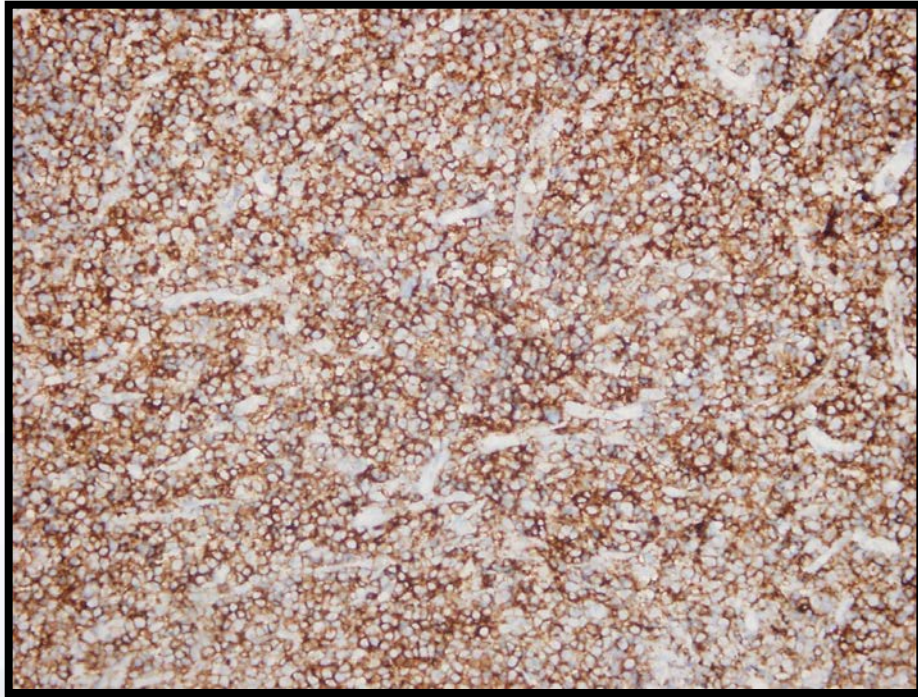


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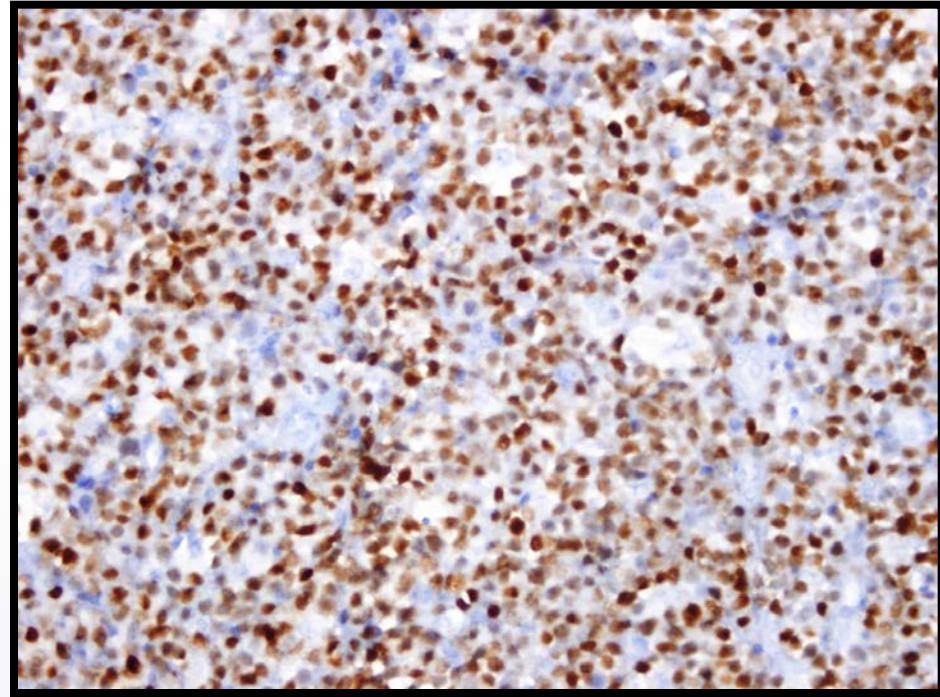
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İmmünohistokimya



CD38



MUM-1

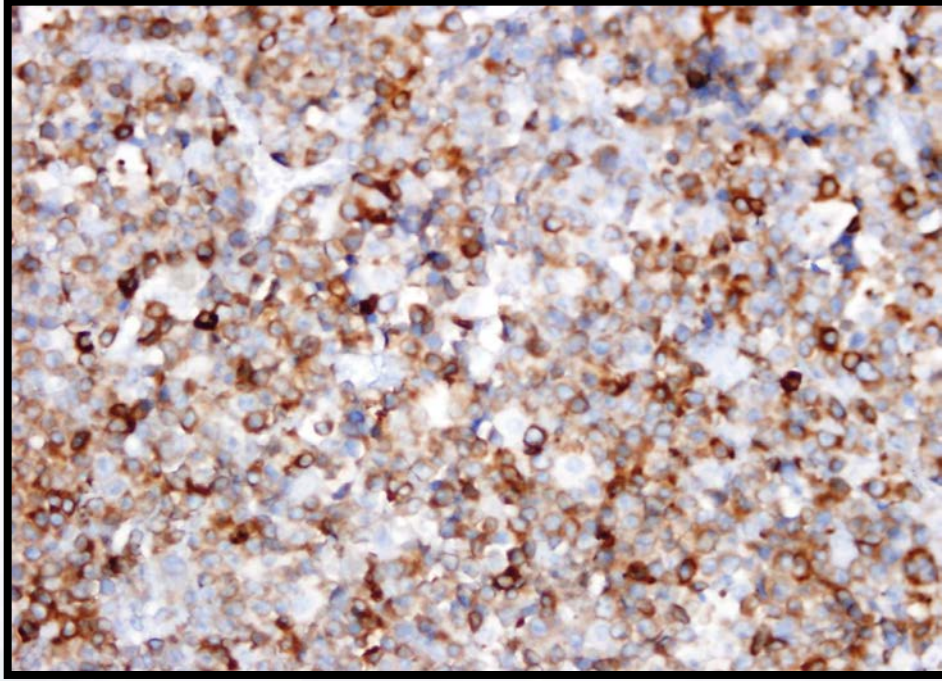


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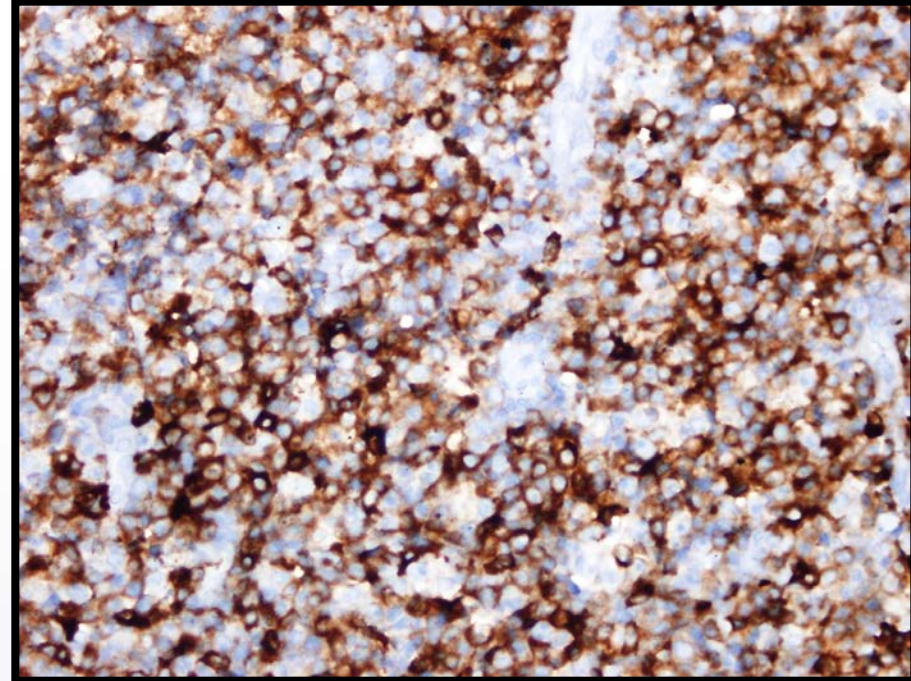
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İmmünohistokimya



CD79a



EMA

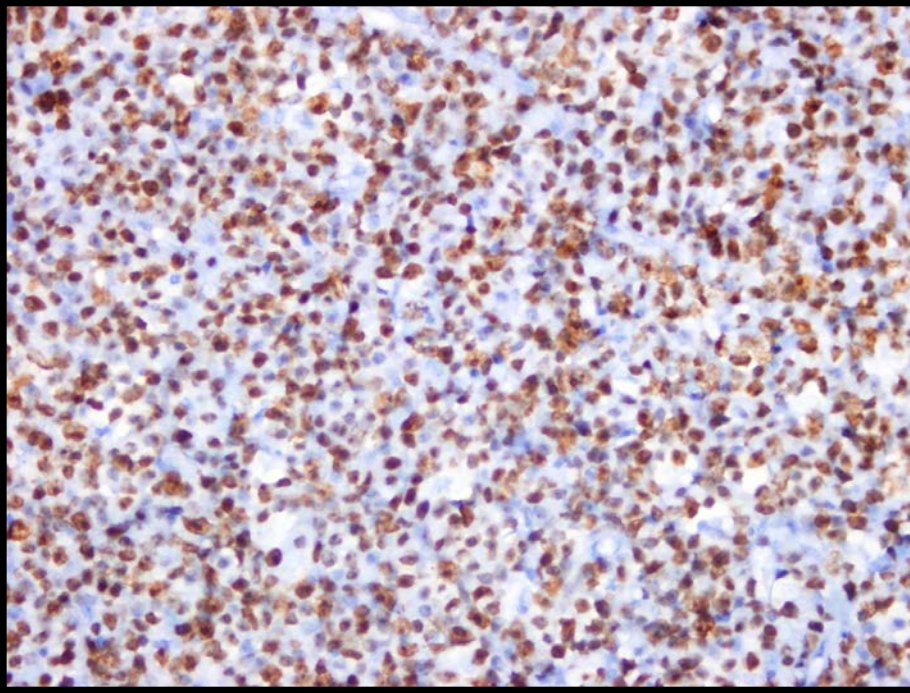


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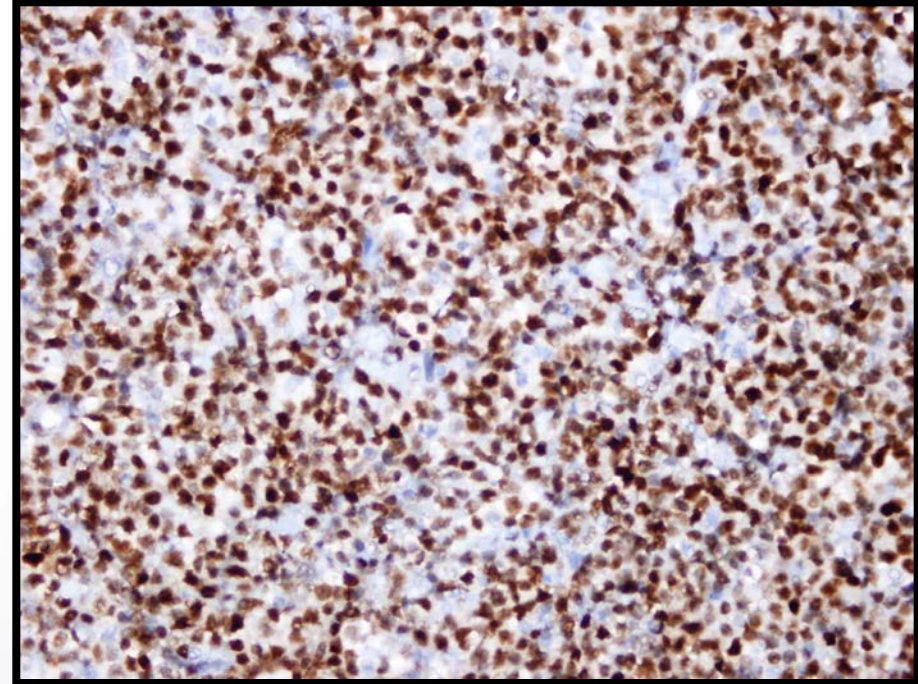
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İmmünohistokimya



Ki-67



c-myc



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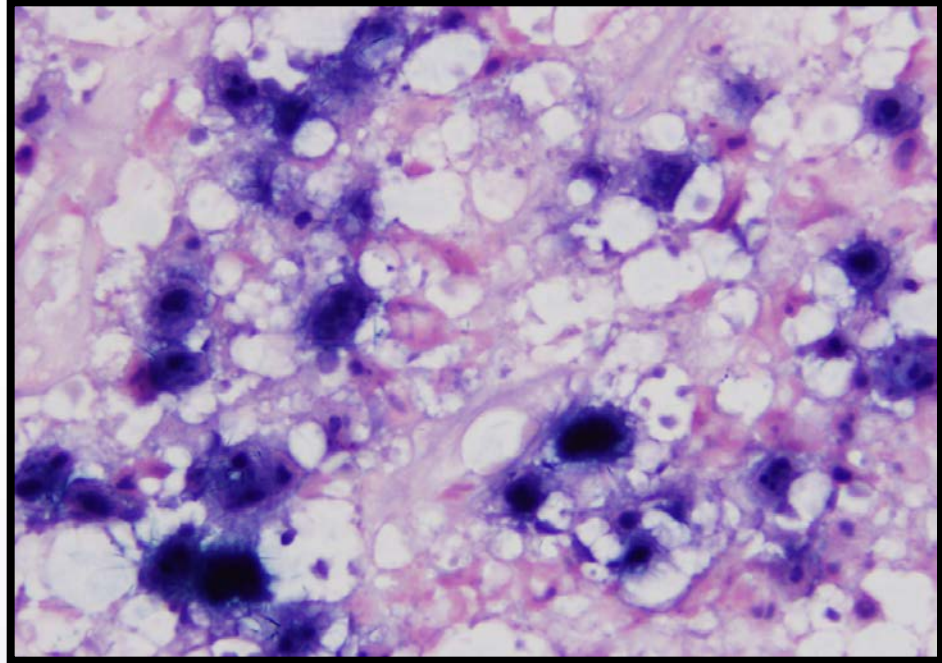
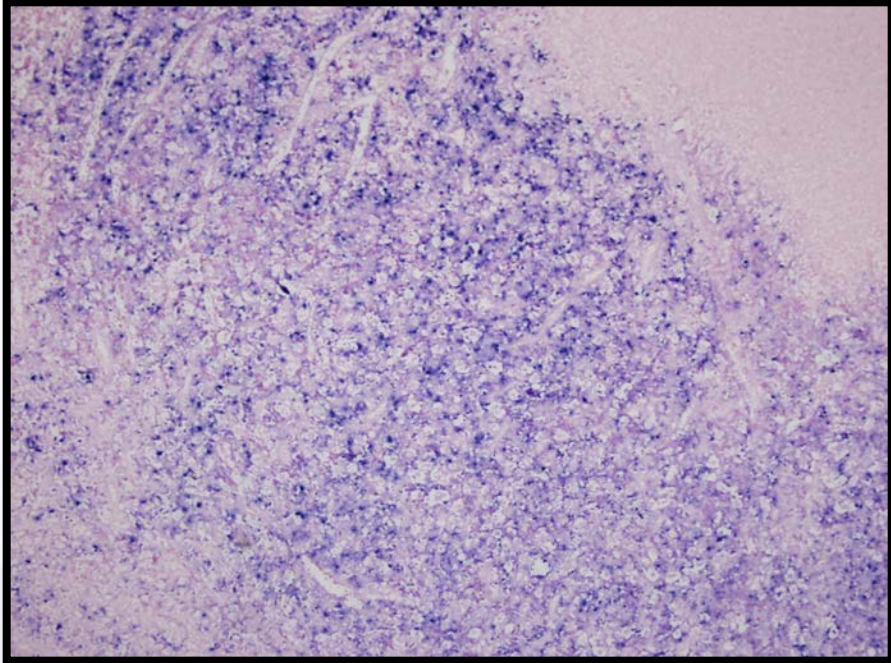


İmmünohistokimya

- CD10:(-)
- bcl-6: (-)
- bcl-2: (-)
- CD138:(-)
- CD30:(-)
- ALK: (-)
- HHV-8:(-)



EBER



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TANI

PLAZMABLASTİK LENFOMA



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Plazmablastik Lenfoma

- Diffüz büyük neoplastik hücre proliferasyonu
- İmmünoblast morfolojisi
- Plazma hücre immünofenotipi
- Ort : 50 yaş
- E/K: 3/1
- Medyan sağkalım süresi: 7ay



Plazmablastik Lenfoma

- HIV (+) PBL
- HIV (-) PBL
- Post-transplant PBL
- Transforme PBL
- Pediatrik PBL

(Blood. 2015;125(15):2323-2330)



Plazmablastik Lenfoma

Table 1. Most common sites of involvement in PBL (literature review from 1997 to 2014)

Sites of involvement	Total Cases		HIV-positive		HIV-negative		Posttransplant		Transformed	
	No.	%	No.	%	No.	%	No.	%	No.	%
Oral	260	44	178	48	65	40	6	16	11	55
Gastrointestinal	83	14	43	12	34	21	3	8	3	15
Lymph nodes	43	7	17	5	14	9	11	30	1	5
Skin	41	7	22	6	10	7	8	22	1	5
Bone	26	4	19	5	4	2	2	5	1	5
Genitourinary	23	4	12	3	6	4	2	5	3	15
Nose	18	3	11	3	6	4	1	3	—	—
Central nervous system	17	3	12	3	4	2	1	3	—	—
Liver	11	2	8	2	2	1	1	3	—	—
Lung	11	2	9	2	1	0.6	1	3	—	—
Orbit	10	2	8	2	2	1	—	—	—	—
Spleen	5	0.8	4	1	1	0.6	—	—	—	—
Skull	5	0.8	4	1	1	0.6	—	—	—	—
Retroperitoneum	4	0.7	1	0.2	3	2	—	—	—	—
Breast	3	0.5	1	0.2	1	0.6	1	3	—	—
Larynx	2	0.3	2	0.5	—	—	—	—	—	—
Gallbladder	2	0.3	2	0.5	—	—	—	—	—	—
Choroid	1	0.1	—	—	1	0.6	—	—	—	—
Heart	1	0.1	—	—	1	0.6	—	—	—	—
Parotid	1	0.1	—	—	1	0.6	—	—	—	—
Muscle	1	0.1	—	—	1	0.6	—	—	—	—
Not specified	22	4	16	4	6	4	—	—	—	—
Total	590		369		164		37		20	

(Blood. 2015;125(15):2323-2330)



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RESEARCH ARTICLE

Open Access



Stage, age, and EBV status impact outcomes of plasmablastic lymphoma patients: a clinicopathologic analysis of 61 patients

Loghavi et al. *Journal of Hematology & Oncology* (2015) 8:65

Site(s) of involvement ^b					
Nasal/oral cavity	21/46 (46)	9 (45)			6 (26)
Lymph node	34/49 (69)	14 (70)	1/1 (100)	1/2 (50)	13/21 (62)
GI tract	12 (20)	3 (15)	1(33)	3 (75)	3 (13.0)
Bone	7 (12)	4 (20)			3 (13.0)
Bone marrow	8/44 (18)	1/18 (6)	1 (33)	1/3 (33)	4/18 (22)
Abdominal/pelvic cavity	6 (10)	2 (10)	1 (33)	1 (25)	2 (9)
Body fluid	6 (10)	1 (5)	1 (33)		2 (9)
Liver	2 (3)	1 (5)		1 (25)	
Skin	2 (3)				
Soft tissue	2 (3)				2 (9)
Retroperitoneum	2 (3)	1 (5)	1 (33)		
Mediastinum	2 (3)				1 (4)
Tonsil	1 (2)				1 (4)
Testis	1 (2)				1 (4)
Penis	1 (2)				1 (4)
Spleen	1 (2)	1 (5)			
Gynecologic organs	1 (2)	1 (5)			
Breast	1 (2)				1 (4)
Bladder	1 (2)				1 (4)
Kidney	1 (2)	1 (5)			
NA	1 (2)				0



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Plazmablastik Lenfoma Morfoloji

- İmmünoblast → Plazmasitik
- Yüksek mitoz aktivite
- Apoptoz- tingibl body makrofaj → yıldızlı gökyüzü



Plazmablastik Lenfoma

İmmünohistokimya

- Plazma hücre immünofenotipi
 - CD38, CD138, MUM1 pozitif
 - LCA, CD20, PAX5, CD10, bcl-6 negatif
 - CD79 a → %50-85 pozitif
 - Ki-67 >%90
 - EBV (+) , HHV-8(-)



Plazmablastik Lenfoma Genetik

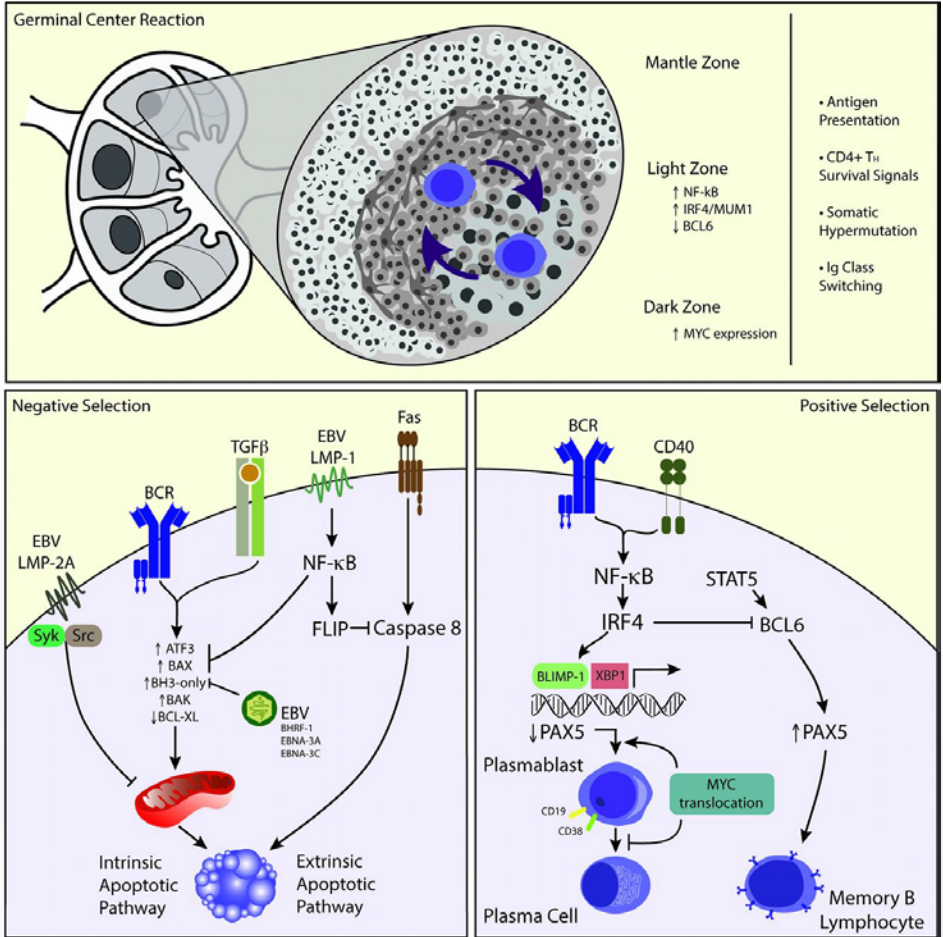
- Monoklonal IgH gen rearranmanı
- Myc rearranmanı (%50)



The biology and treatment of plasmablastic lymphoma

Jorge J. Castillo,¹ Michele Bibas,² and Roberto N. Miranda³

(*Blood*. 2015;125(15):2323-2330)



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Ayırıcı Tanı

- **Anaplastik/plazmablastik myelom**
 - Kemik iliđi tutulumu (+)
 - Serum paraprotein (+)
 - CD56 ve CD117 aberran ekspresyonu
 - EBV (-)
 - İmmün yetmezlik (-)



Ayırıcı Tanı

- **Burkitt lenfoma**

- Orta boyutlu, monoton hücre proliferasyonu
- LCA,CD20, bcl-6, CD10 (+)
- Plazmasitik diferansiasyon (-)
- CD38,CD138 negatif



Ayırıcı Tanı

- **Yaşlıların EBV (+) DBBHL**

- LCA ve CD20 (+)
- İmmün yetmezlik hikayesi (-)

- **ALK (+) DBBHL**

- Morfoloji benzer ve B hücre işaretleyicileri (-)
- Sitoplazmik granüler ALK pozitif
- EBV ve HIV (-)



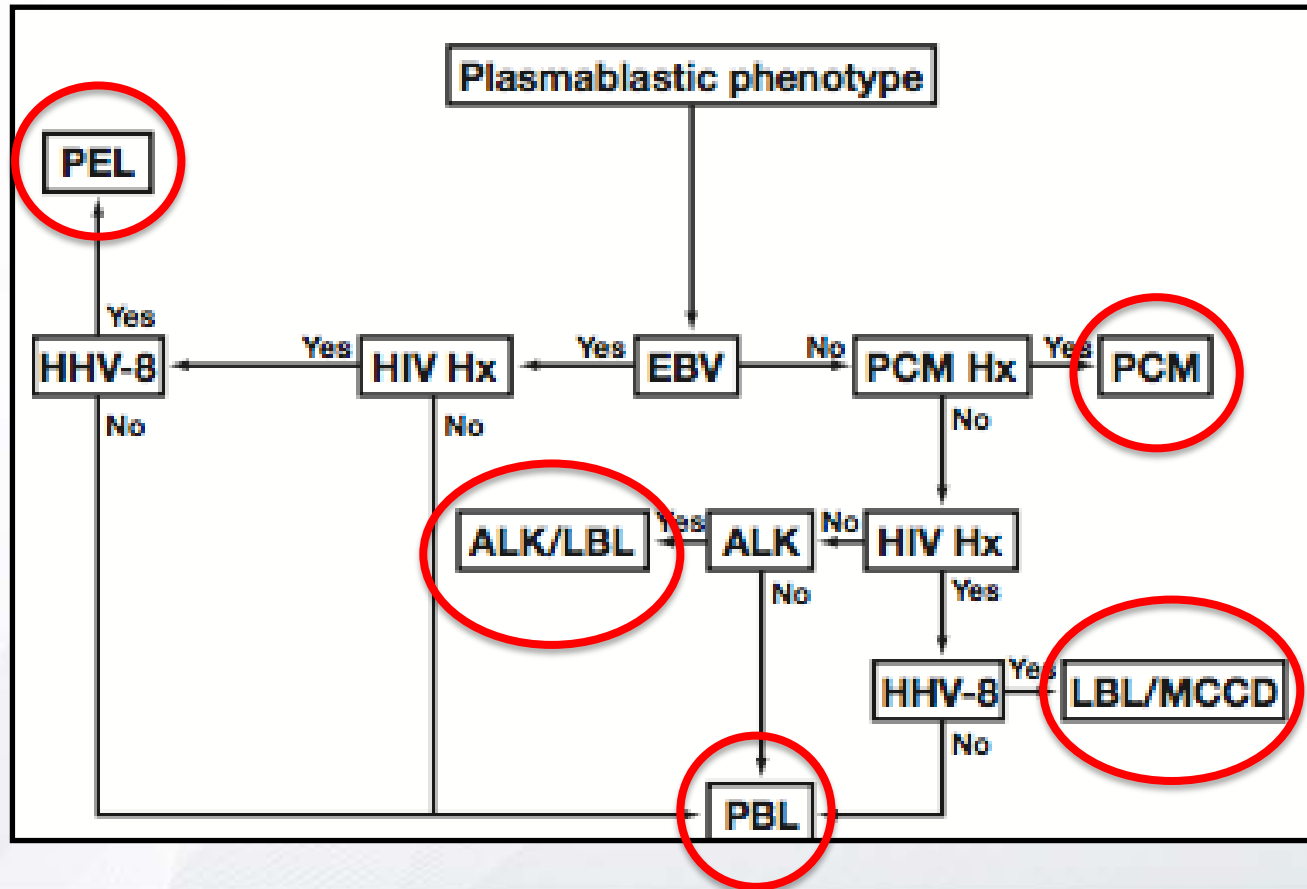
Ayırıcı Tanı

- **HHV-8 ilişkili MCCD zemininde DBBHL**
 - Lenf nodu- dalak tutulumu
 - HHV-8 ilişkili hastalık hikayesi (+)
 - EBV(-)



Plasmablastic Lymphoma and Related Disorders

Am J Clin Pathol 2011;136:183-194



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Klinik seyir

- 2 kr EPOCH tedavisi
- Yoęun bakım desteęi
- Tanı sonrası 4.ayda eksitus



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Teşekkürler..



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