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Historical Perspective MF



- Jean-Louis-Marc Alibert (1768 1837) was a pioneer of French dermatology
- Originally planning to enter the priesthood, Alibert did not begin studying medicine until he was 26 years old
- In 1801 he was appointed médecin adjoint to the Hôpital Saint-Louis where he administered to patients with skin disorders, syphilis and leprosy. Following the Restoration of the French monarchy, Alibert became a personal physician to Louis XVIII
- Alibert was a prodigious writer, his best known work being the beautifully illustrated Descriptions des maladies de la peau
- In 1806, he was the first to describe a patient with mycosis fungoides. The disease was formerly referred to as "Alibert-Bazin syndrome", named in conjunction with dermatologist Pierre-Antoine-Ernest Bazin

Mycosis fungoides	
MF variants and subtypes	
Folliculotropic MF	
Pagetoid reticulosis	
Granulomatous slack skin	
Sézary syndrome	
Adult T-cell leukemia/lymphon	na
Primary cutaneous CD30+ lyn	nphoproliferative disorders
Primary cutaneous anaplas	tic large cell lymphoma
Lymphomatoid papulosis	
Subcutaneous panniculitis-like	e T-cell lymphoma*
Extranodal NK/T-cell lymphom	na, nasal type
Primary cutaneous peripheral	T-cell lymphoma, unspecified
Primary cutaneous aggress (provisional)	ive epidermotropic CD8+ T-cell lymphoma
Cutaneous γ/δ T-cell lymph	oma (provisional)
Primary cutaneous CD4+ sr	nall/medium-sized pleomorphic T-cell lymphoma
(provisional)	

Willemze R, et al. Blood. 2005;105:3768-85.









CRITERIA	Major (2 points)	Minor (1 point
CLINICAL Persistent and/or progressive patches/thin plaques plus 1) Non-sun exposed location 2) Size/shape variation 3) Poikiloderma	Any 2	Any 1
HISTOPATHOLOGICAL Superficial lymphoid infiltrate plus* 1) Epidermotropism 2) Atypia *Implies no spongiosis	Both	Either







Patch-Stage Disease

- Lesions may be hypopigmented, hyperpigmented or erythematous
- Biopsy: performed off topical steroids
- Differential diagnosis includes tinea corporis, eczema, drug reaction
- Skin involvement measured based on % of BSA
- T1= < 10% BSA</p>
- T2=> 10% BSA











Tumor-stage Disease



- Tumor stage (T3): ≥ 1 nodular lesion > 1 cm
- Biopsy: representative non-ulcerated tumor
 - If large cells, record %
- Perform both T and B clonality studies
- Differential diagnosis includes all types of primary cutaneous lymphoma, pseudolymphoma (B cell) or lymphocytoma cutis (T cell), secondary cutaneous lymphoma, leukemic lesions, and for single lesions, metastatic cancer



Erythrodermic Disease

- Erythroderma (T4) defined as at least 80% BSA with erythematous confluence of lesions
- May be infiltrated or flat
- Hair loss in areas of involvement
- Diagnosis often difficult by skin biopsy alone—must be off topical steroids, it may require multiple biopsies, and requires immunophenotyping and TCR GR analysis—blood and nodal evaluation key
- Differential diagnosis includes atopic dermatitis, hyper IgE, psoriasis, drug reaction







Systemic Chemotherapy Agents for CTCL

Brentuximab vedotin Gemcitabine Liposomal doxorubicin Pralatrexate Romidepsin Vorinostat Chlorambucil Pentostatin Cytoxan Temozolimide Methotrexate >100 mg Bortezomib

















ALC ANTA	CTUDV.		and all P			lass f		T
ALCANZA	SIDDA:	OKK4	ana	espo	nse kates	DYL	Jisea	se r
	Brer	ntuximab	Vedotir		Bexaroten	e or M	ethotre>	ate
	Total	ORR4	ORR	CR	Total	ORR4	ORR	CR
	N = 64 n (%)	(%)	(%)	(%)	N = 64 n (%)	(%)	(%)	(%)
ITT population	64 (100)	56	67	16	64 (100)	13	20	2
MF	48 (75)	50	65	10	49 (77)	10	16	0
Stage								
IA-IIA	15 (31)	40	53	7	18 (37)	22	28	0
IIB	19 (40)	63	68	16	19 (39)	5	16	0
IIIA-IIIB	4 (8)	50	75	0	2 (4)	0	0	0
IVA	2 (4)	100	100	50	9 (18)	0	0	0
IVB	7 (15)	29	57	0	0	NA	NA	NA
pcALCL	16 (25)	75	75	31	15 (23)	20	33	7
Disease involvement								
Skin-only	9 (56)	89	89	44	11 (73)	27	45	9
	7 (44)	57	57	14	1 (27)	0	0	0

NA, not applicable.

























