

Extracorporeal photopheresis associated to multimodal therapy for T-cell cutaneous lymphoma

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BACKGROUND

The treatment of mycosis fungoides(MF) and Sézary syndrome(SS) is primarily determined by disease extent and the impact on quality of life, prognostic factors, and patient age/comorbidities. Advanced stage MF/SS (stages IIB-IVB) is often treatment refractory and results in an unfavorable prognosis; treatment is aimed at reducing the tumor burden, delaying disease progression and preserving quality of life.



OBJECTIVES

Evaluate the clinical response rate of patients with MF and SS treated with extracorporeal photopheresis (ECP) plus multimodality modulatory therapy (MMT): interferon-alfa, retinoids, systemic steroids and/or phototherapy.



Fig 1. Before /After FEC



MATERIAL & METHODS

MMT was added to ECP in patients with MF/SS, who relapsed, did not improve, or worsened with ECP alone(minimal response-less than 50%) 3 months after started ECP between August 2007 and January 2016.

RESULTS

From 11 patients treated with MMT, nine present SS, one erythrodermic MF, one with folliculotropic MF were treated with ECP. An overall clinical response of 57% was achieved with MMT: 73% (8/11)complete response(no evidence of cutaneous disease and a Sézary count less than 5%); 27%(3/11) were non-responders.

Table1- Results of MMT associated with ECP

Ν	Disease	Stage	Clinical response	MMT	% céls Sézary pré MMT	% céls Sézary pós MMT	Follow up
1	eMF	IIIb	NR	IFN+MTX+acit retin+ PUVA+ systemic steroid	10	36	CTCL progression
2	SS	IV	NR	IFN+ systemic steroid	31	40	CTCL-related death
3	SS	IV	CR	IFN+MTX+sys temic steroid	60	12	Treatment ECP
4	fMF	IIA	CR	IFN+MTX+acit retin+ UVBNB+ systemic steroid	0	0	Treatment ECP
5	SS	IV	CR	IFN+acitretin	26	3	Bone marrow aplasia virus-related.
6	SS	IV	CR	IFN+acitretin+ systemic steroid +PUVA	21	3	Maintenance ECP
7	SS	IV	CR	IFN+acitretin	23	0	Maintenance ECP
8	SS	IV	NR	IFN+acitretin+ systemic steroid	42	28	CTCL-related death
9	SS	IV	CR	IFN+acitretin	18	4	Maintenance ECP
1 0	SS	IV	CR	IFN+ systemic steroid	2	2	Maintenance ECP
1 1	SS	IV	CR	IFN+acitretin+ PUVA	22	3,4	Treatment ECP









CONCLUSIONS

Based on our experience, MMT is an effective treatment for CTCLpoor-responders patients or those with high tumoral charge. The durability of response and impact on overall survival remains to be determined; however, this approach offers an appealing alternative to treatments associated with higher.

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