



LINFOMI PRIMITIVI
CUTANEI DI
DERIVAZIONE
T-LINFOCITARIA:
la multidisciplinarietà ottimizza il risultato

29 OTTOBRE 2021

NAPOLI Hotel Royal Continental

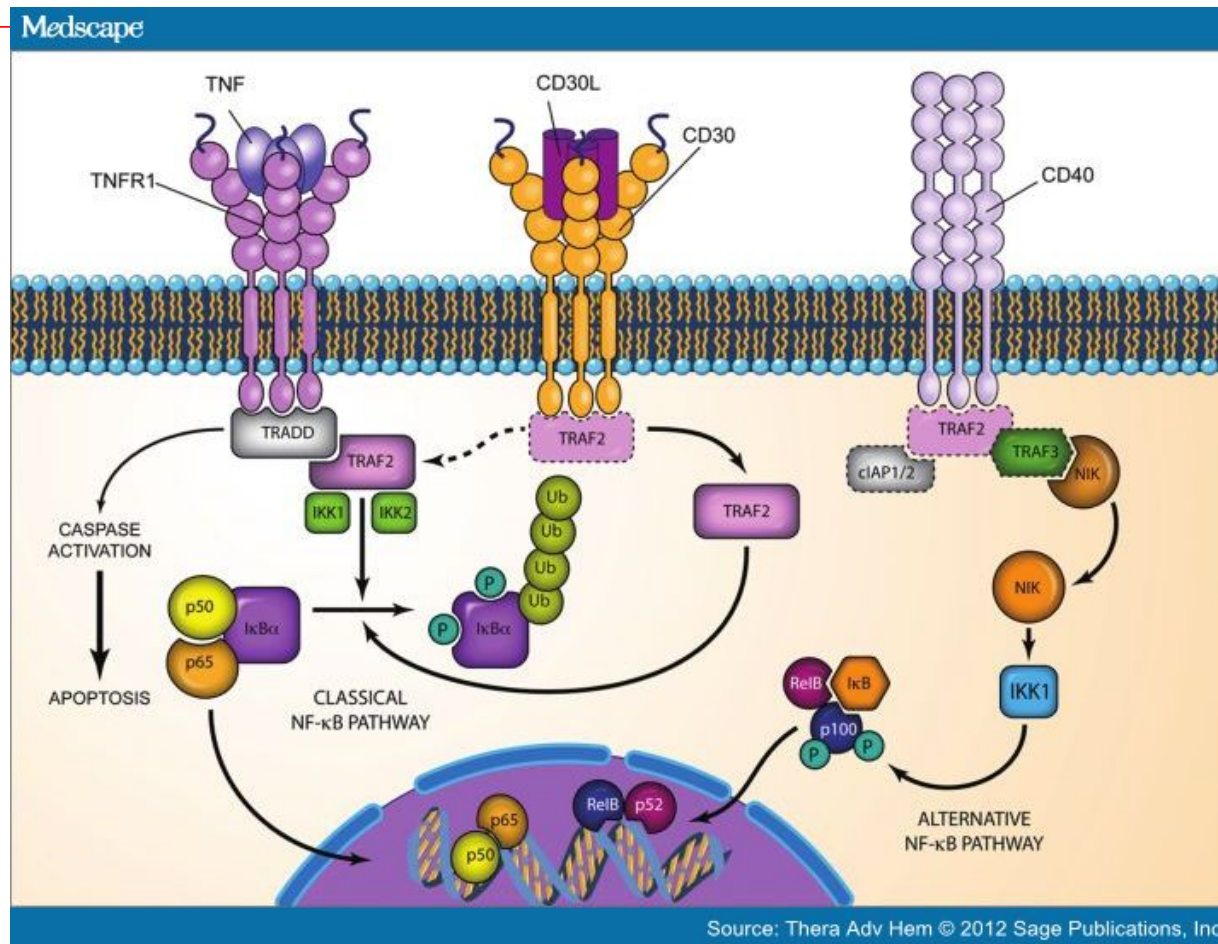
BRENTUXIMAB VEDOTIN

Pietro Quaglino, Dermatologic Clinic,
University of Torino

BRENTUXIMAB VEDOTIN

- CD30 e meccanismo di azione

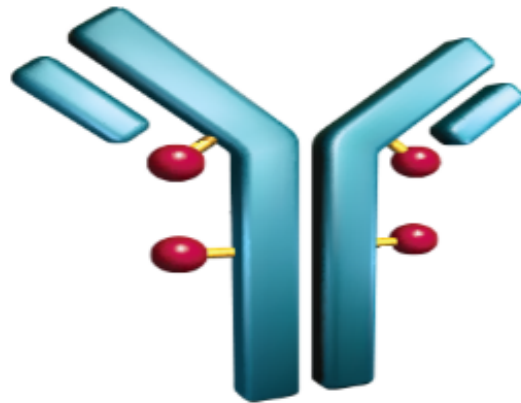
CD30, recettore delle citochine che appartiene alla superfamiglia del tumor necrosis factor receptor (TNFR)



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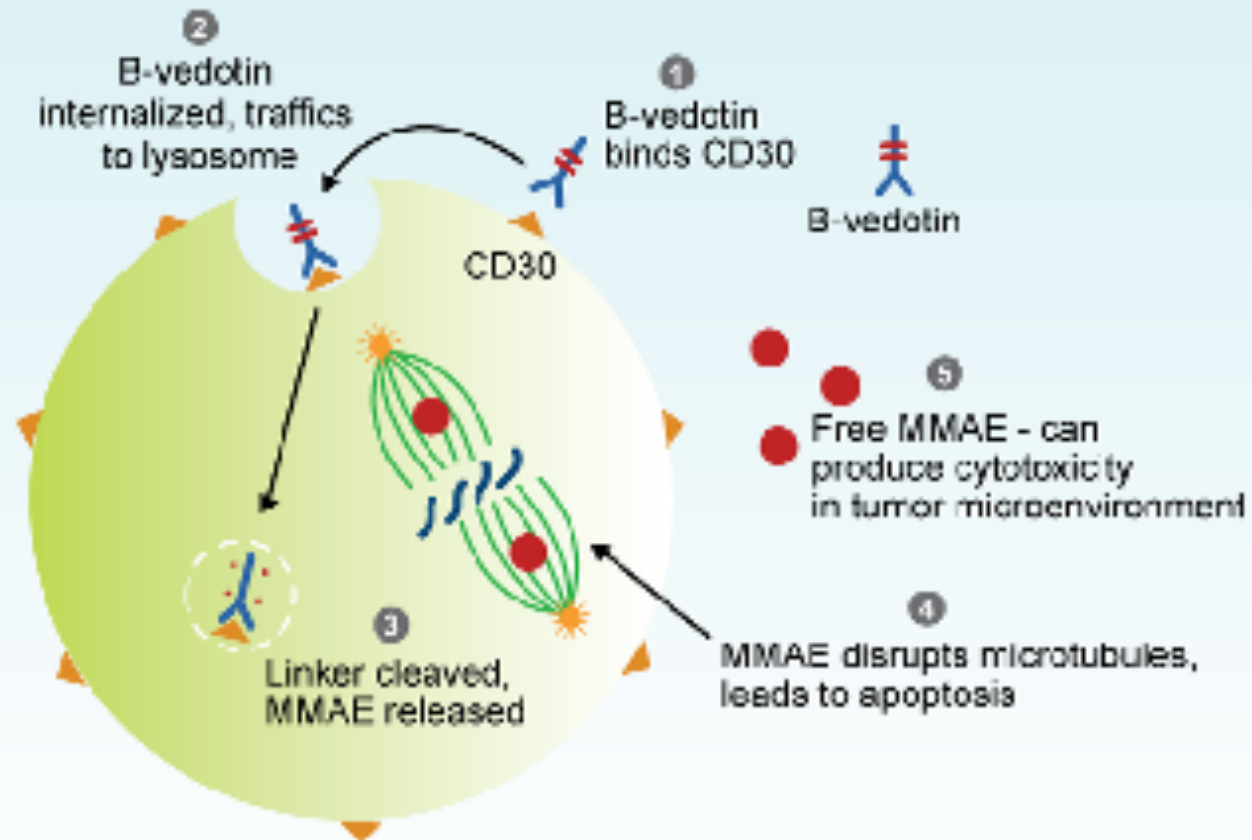
Brentuximab has three components:

- **Antibody:** the antibody cAC10 specific for human CD30



- **Cytotoxic agent:** the antimicrotubule agent monomethyl auristatin E (MMAE)
- **Linker:** a protease-cleavable linker that covalently attaches MMAE to Cac10.

ADC Internalization Process



ADC = antibody-drug conjugate; MAB = monoclonal antibody; MMAE = monomethyl auristatin E (microtubule-disrupting agent)

Fig 1. How brentuximab vedotin (BV) works. (1) BV [anti-CD30 monoclonal antibody + monomethyl auristatin E (MMAE)] binds to CD30 receptor; (2) internalization by endocytosis of BV-CD30 receptor complex; (3) fusion with lysosomes; (4) MMAE release through lysosomal cysteine proteases; (5) MMAE disrupts the microtubule network, which leads to cell-cycle arrest and induces apoptosis.

Katz J, Janik JE, Younes A. Brentuximab vedotin (SGN-35). Clin Cancer Res 2011; 17:6428–36.

Mir SS, Richter BW, Duckett CS. Differential effects of CD30 activation in anaplastic large cell lymphoma and Hodgkin disease cells. Blood 2000; 96:4307–12

- diffusion of MMAE into the tumour microenvironment.
- Receptor binding of MMAE itself can trigger an apoptotic signal.

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- CD30 e meccanismo di azione
- Risultati degli studi di fase II

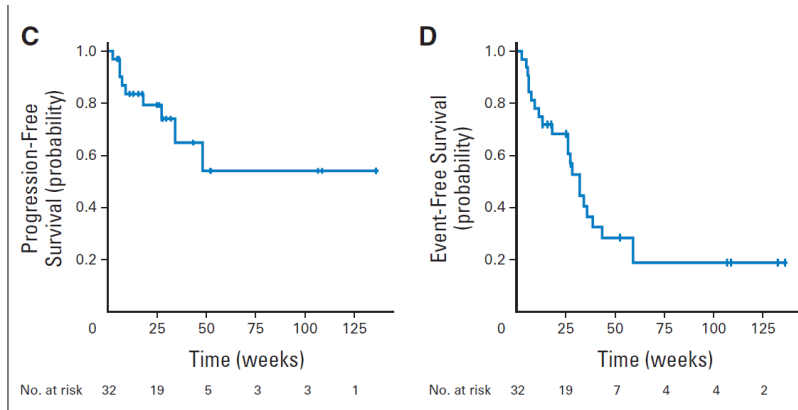
Phase II Investigator-Initiated Study of Brentuximab Vedotin in Mycosis Fungoides and Sézary Syndrome With Variable CD30 Expression Level: A Multi-Institution Collaborative Project

Youn H. Kim, Mahkam Tavallaei, Uma Sundram, Katrin A. Salva, Gary S. Wood, Shufeng Li, Sima Rozati, Seema Nagpal, Michael Krathen, Sunil Reddy, Richard T. Hoppe, Annie Nguyen-Lin, Wen-Kai Weng, Randall Armstrong, Melissa Pulitzer, Ranjana H. Advani, and Steven M. Horwitz

See accompanying articles on pages 3691 and 3759

Youn H. Kim, Mahkam Tavallaei, Uma Sundram, Shufeng Li, Sima Rozati,

A B S T R A C T



ORR:66%

Table 1. Patient Baseline Demographics, Clinical Characteristics, and Clinical Response

Characteristics	All Patients, N = 32, n (%)	Evaluable for Response, n = 30					ORR,* n (%)
		CR	PR	SD	PD	NE	
Sex							
Male	19 (59)	0	13	1	4	1	13 of 18 (72)
Female	13 (41)	1	7	3	1	1	8 of 12 (67)
Age, years, median (range)	62 (20-87)	78	60 (38-87)	60 (20-82)	64 (57-77)	60 (50-70)	
Clinical stage							
All	32 (100)	1	20	4	5	2	21 of 30 (70)
IB	4 (13)	0	3	1	0	0	3 of 4 (75)
IIB	18 (56)	0	14	2	2	0	14 of 18 (78)
IV/SS†	10 (31)	1	3	1	3	2	4 of 8 (50)
Adverse prognostic factors							
LCT or FMF	29 (90)	1	19	3	5	1	20 of 28 (71)
LCT	16 (50)	1	9	2	3	1	10 of 15 (67)
FMF	8 (25)	0	7	1	0	0	7 of 8 (88)
LCT + FMF	5 (16)	0	3	0	2	0	3 of 5 (60)
No. of prior systemic therapies							
< 3	15 (47)	0	8	2	4	1	8 of 14 (57)
≥ 3	17 (53)	1	12	2	1	1	13 of 16 (81)
CD30 grouping at screening							
A (< 10%)	14 (44)	0	7	4	2	1	7 of 13 (54)
B (10% to 50%)	14 (44)	0	11	0	3	0	11 of 14 (79)
C (> 50%)	4 (13)	1	2	0	0	1	3 of 3 (100)

Results of a Phase II Trial of Brentuximab Vedotin for CD30⁺ Cutaneous T-Cell Lymphoma and Lymphomatoid Papulosis

Madeline Duvic, Michael T. Tetzlaff, Pamela Gangar, Audra L. Clos, Dawen Sui, and Rukshandra Talpur
See accompanying articles on pages 3691 and 3750

A B S T R A C T

Purpose Brentuximab vedotin, a monoclonal antibody (cAC10) conjugated to monomethyl auristatin E, targets CD30⁺ receptors. This phase II open-label trial was conducted to evaluate safety and efficacy in CD30⁺ cutaneous T-cell lymphomas.

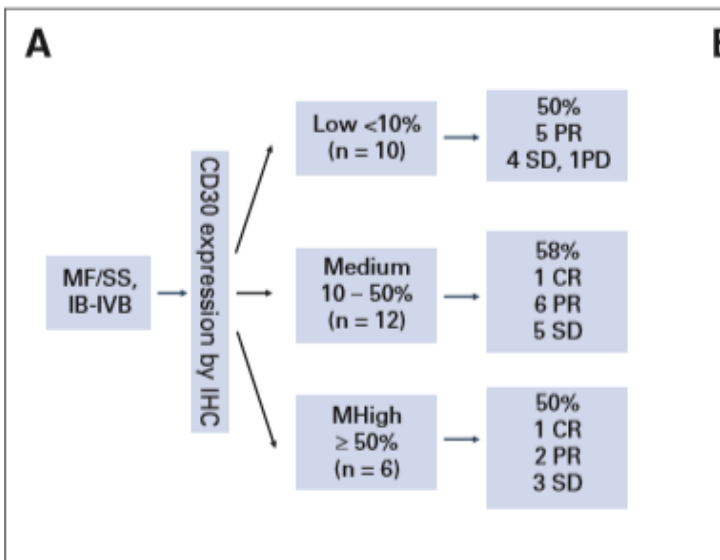
Patients and Methods Forty-eight patients with CD30⁺ lymphoproliferative disorders or mycosis fungoides (MF) received an infusion of 1.8 mg/kg every 21 days.

All authors: The University of Texas MD Anderson Cancer Center, Houston, TX
Published online ahead of print at www.jco.org on August 10, 2015.
Supported by Seattle Genetics, National Cancer Institute (NCI) MD Anderson Cancer Center Core Grant No. CA15672-22, NCI Grant No. H21-CA74117, National Institute of Arthritis and Musculoskeletal and Skin Diseases Grant No. K24 CA 88915, the

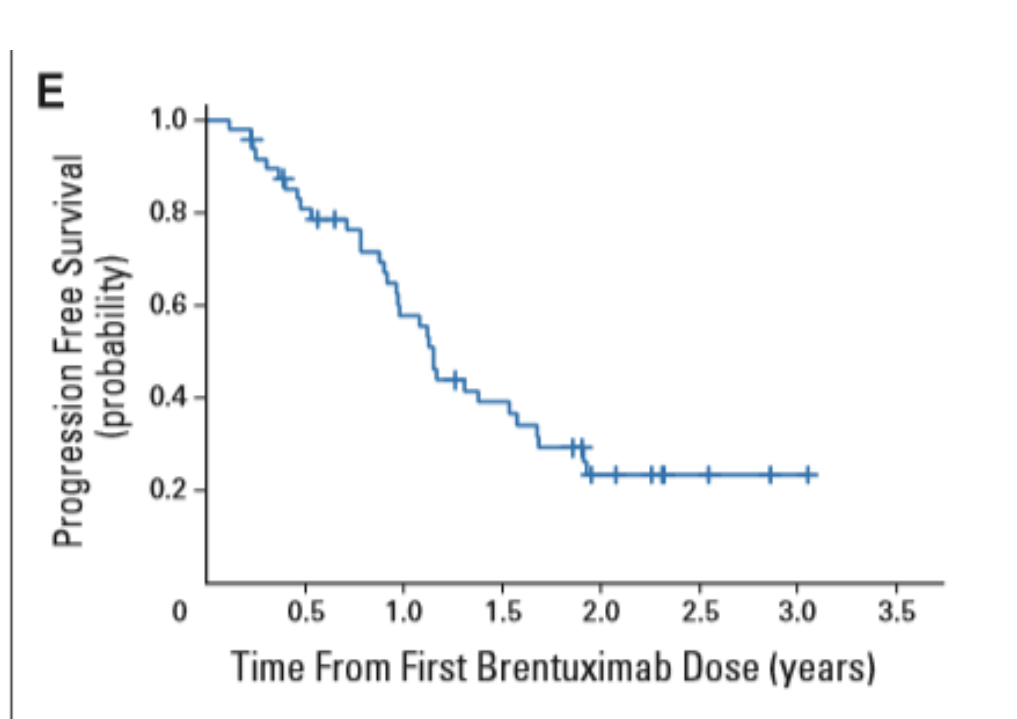
Table 2. Response in Evaluable Patients

Diagnosis	Total No. of Patients (N = 48)	Response		Secondary Response (No.)
		No.	%	
All patients	48	35	73	
MF	28	13 PR, 2 CR	54	
LyP	9	5 CR, 4 PR	100	
pc-ALCL	2	2 CR	100	
LyP/MF	7	6 LyP CR, 1 LyP PR	100	6 MF PR, 1 MF SD
pc-ALCL/LyP	1	CR	100	1 LyP PD
pc-ALCL/MF	1	CR	100	1 MF PR

Abbreviations: ALCL, anaplastic large-cell lymphoma; CR, complete response; LyP, lymphomatoid papulosis; MF, mycosis fungoides; pc, primary cutaneous; PD, progressive disease; PR, partial response; SD, stable disease.



Progression-free survival was 1.1 year (95% CI, 0.9 to 1.4 years);



BRENTUXIMAB VEDOTIN

- CD30 e meccanismo di azione
- Risultati degli studi di fase II
- Lo studio ALCANZA

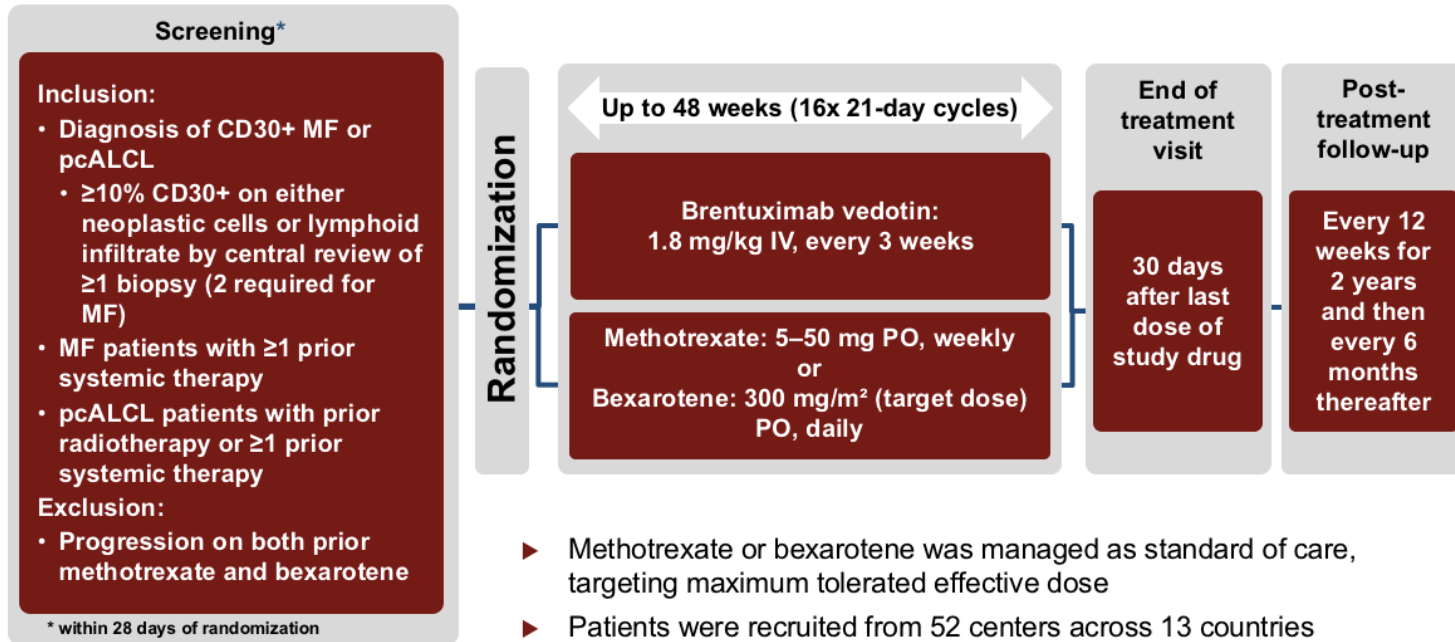
Brentuximab Vedotin Demonstrates Significantly Superior Clinical Outcomes in Patients With CD30-Expressing Cutaneous T-Cell Lymphoma Versus Physician's Choice (Methotrexate or Bexarotene): the Phase 3 ALCANZA study

Youn H. Kim,¹ Sean Whittaker,² Steven Horwitz,³ Madeleine Duvic,⁴ Reinhard Dummer,⁵ Julia Scarisbrick,⁶ Pietro Quaglino,⁷ Pier Luigi Zinzani,⁸ Pascal Wolter,⁹ Yinghui Wang,¹⁰ Maria Corinna Palanca-Wessels,¹⁰ Erin Zagadailov,¹¹ William L. Trepicchio,¹¹ Yi Liu,¹¹ Meredith Little,¹¹ H. Miles Prince¹²

¹Stanford Cancer Institute, Stanford, California, USA; ²Guy's and St Thomas' NHS Foundation Trust, London, UK; ³Memorial Sloan Kettering Cancer Center, New York, USA; ⁴The University of Texas MD Anderson Cancer Center, Houston, TX, USA; ⁵University Hospital Zürich, Zurich, Switzerland; ⁶University Hospital Birmingham, Birmingham, UK; ⁷University of Turin, Turin, Italy; ⁸Institute of Hematology "Seràgnoli" University of Bologna, Bologna Italy; ⁹University Hospitals Leuven, Leuven, Belgium; ¹⁰Seattle Genetics, Inc., Bothell, WA, USA; ¹¹Millennium Pharmaceuticals Inc., a wholly owned subsidiary of Takeda Pharmaceutical Company Limited, Cambridge, MA, USA; ¹²The University of Melbourne, Victoria, Australia

LANCET 2017

ALCANZA: a randomized, open-label, phase 3 trial of brentuximab vedotin vs physician's choice (methotrexate or bexarotene) in patients with CD30+ CTCL



IV, intravenously; PO, orally

AIFA
RIMBORSABILITA'
: CTCL CD30+
SOTTOPOSTI A
1 PREC TERAPIA
SISTEMICA

ALCANZA study endpoints

- **Primary endpoint**
 - ORR4 = rate of objective response lasting ≥ 4 months
 - Independent review of global response of all compartments using consensus criteria (mSWAT for skin evaluation, radiographic assessment, and circulating Sézary cell assessment as appropriate)¹
 - Sample size calculation: 90% power to detect 30% improvement in ORR4
- **Key secondary endpoints**
 - CR rate
 - PFS
 - Symptom burden/PRO (measure of QoL using Skindex-29²)

mSWAT, modified severity weighted assessment tool; PRO, patient reported outcome; QoL, quality of life

1. Olsen EA, et al. J Clin Oncol 2011; 29(18):2598–607

2. Chren MM, et al. Arch Dermatol 1997;133:1433-40

Patient baseline characteristics: ITT population, N=128

	Brentuximab vedotin (n=64)	Methotrexate or bexarotene (n=64)
Median age, years (range)	62 (22–83)	59 (22–83)
Male gender, n (%)	33 (52)	37 (58)
ECOG performance status 0–1, n (%)	61 (95)	62 (97)
Median of average CD30 expression from multiple biopsies at baseline, % (range)	33 (3–100)	31 (5–100)
MF*, n (%)	48 (75)	49 (77)
Early (IA-IIA)	15 (31)	18 (37)
Advanced (IIB-IVB**)	32 (67)	30 (61)
pcALCL, n (%)	16 (25)	15 (23)
Skin only	9 (56)	11 (73)
Extracutaneous disease	7 (44)	4 (27)
Total number of prior therapies, median (range)	4.0 (0–13)	3.5 (1–15)
Number of prior systemic therapies, median (range)	2.0 (0–11)	2.0 (1–8)

*One patient in each arm had incomplete staging data and are not included

** stage IVB MF, n=7 in brentuximab arm vs. n=0 in methotrexate/bexarotene arm

Disease stage†§			
IA-IIA	15/48 (31%)	18/49 (37%)	33/97 (34%)
IIB	19/48 (40%)	19/49 (39%)	38/97 (39%)
IIIA-IIIB	4/48 (8%)	2/49 (4%)	6/97 (6%)
IVA1	0	1/49 (2%)	1/97 (1%)
IVA2	2/48 (4%)	8/49 (16%)	10/97 (10%)
IVB	7/48 (15%)	0	7/97 (7%)
pcALCL	16 (25%)	15 (23%)	31 (24%)
Disease stage†			
Skin			
T ₁	1/16 (6%)	4/15 (27%)	5/31 (16%)
T ₂	3/16 (19%)	5/15 (33%)	8/31 (26%)
T ₃	12/16 (75%)	6/15 (40%)	18/31 (58%)
Node			
N ₀	10/16 (63%)	11/15 (73%)	21/31 (68%)
N ₁	2/16 (13%)	1/15 (7%)	3/31 (10%)
N ₂	2/16 (13%)	1/15 (7%)	3/31 (10%)
N ₃	2/16 (13%)	2/15 (13%)	4/31 (13%)
Visceral			
M ₀	12/16 (75%)	14/15 (93%)	26/31 (84%)
M ₁	4/16 (25%)	1/15 (7%)	5/31 (16%)

Primary and key secondary endpoint analyses (ITT population)

Endpoint	Brentuximab vedotin N=64	Physician's Choice N=64	Difference Between Arms (95% CI)	Statistical Significance
Primary endpoint				
ORR4, n (%)	36 (56.3%)	8 (12.5%)	43.8% (29.1, 58.4)	p<0.0001
Key secondary endpoints				
CR, n (%)	10 (15.6%)	1 (1.6%)	14.1% (-4.0, 31.5)	p=0.0046 ^{adj}
Median PFS, months	16.7	3.5		p<0.0001 ^{adj} HR=0.270 (95% CI: 0.169, 0.430)
Mean maximum reduction in Skindex-29 symptom domain, points	-27.96	-8.62	-18.9 (-26.6, -11.2)	p<0.0001 ^{adj}

Adj, adjusted p-value calculated from a weighted Holm's procedure; CI, confidence interval; HR, hazard ratio

ORR4 and response rates by disease type and extent

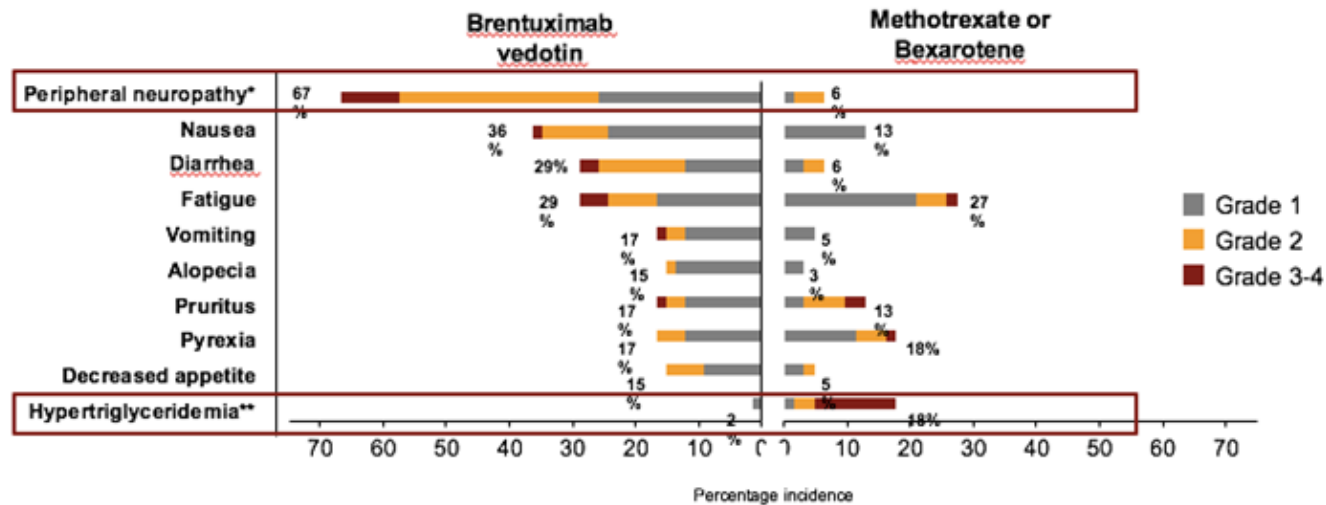
	Brentuximab Vedotin				Bexarotene or Methotrexate			
	Total N = 64 n (%)	ORR4 (%)	ORR (%)	CR (%)	Total N = 64 n (%)	ORR4 (%)	ORR (%)	CR (%)
ITT population	64 (100)	56	67	16	64 (100)	13	20	2
MF	48 (75)	50	65	10	49 (77)	10	16	0
Stage								
IA-IIA	15 (31)	40	53	7	18 (37)	22	28	0
IIB	19 (40)	63	68	16	19 (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
Extracutaneous disease	7 (44)	57	57	14	4 (27)	0	0	0

NA, not applicable

Summary of adverse event (AE) impact - termination, SAEs, deaths

Adverse event (AE), n (%)	Brentuximab vedotin (n=66)	Methotrexate or bexarotene (n=62)
Any AE	63 (95)	56 (90)
Any grade \geq 3 AE	27 (41)	29 (47)
Any serious AE	19 (29)	18 (29)
AE resulting in discontinuation of study regimen*	16 (24)	5 (8)
On-study death (death \leq 30 days from last dose)**	4 (6)	0

Commonly reported ($\geq 15\%$ of patients) treatment-emergent AEs



Nine patients discontinued assigned treatment due to peripheral neuropathy in the brentuximab vedotin group (none in the physician's choice group). At the last followup (median 22.9 months), 36 (82%) of 44 patients in the brentuximab vedotin group had improvement (≥ 1 grade) or resolution of peripheral neuropathy.

Tabella 3: Raccomandazioni posologiche per l'esordio o il peggioramento di neuropatia periferica sensoriale o motoria durante la monoterapia

Severità della neuropatia periferica sensoriale o motoria (segni e sintomi [descrizione abbreviata CTCAE^a])	Modifica della dose e posologia
Grado 1 (parestesia e/o perdita di riflessi, senza alcuna perdita della funzione)	Proseguire con dose e posologia invariata.
Grado 2 (interferisce con la funzionalità ma non con le attività quotidiane)	Sospendere la somministrazione fino a quando la tossicità torna a \leq Grado 1 o al basale, quindi riprendere il trattamento a una dose ridotta di 1,2 mg/kg fino a un massimo di 120 mg ogni 3 settimane.
Grado 3 (interferisce con le attività quotidiane)	Sospendere la dose finché la tossicità non ritorna \leq Grado 1 o al livello basale, quindi riprendere il trattamento con una dose ridotta di 1,2 mg/kg fino a un massimo di 120 mg ogni 3 settimane.
Grado 4 (neuropatia sensoriale debilitante o neuropatia motoria potenzialmente fatale o che porta a paralisi)	Interrompere il trattamento.

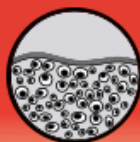
^a. Classificazione basata sui criteri del National Cancer Institute (NCI), Common Terminology Criteria for Adverse Events (CTCAE) v3.0; vedere neuropatia: motoria; neuropatia: sensoriale; e dolore neuropatico.

Final data from the phase 3 ALCANZA study: Brentuximab vedotin versus physician's choice in patients with CD30-positive cutaneous T-cell lymphoma

Poster 232

Steven M. Horwitz¹, Julia Scharfbeck², H. Miles Prince³, Sean Whittaker⁴, Madeline Duvic⁵, Youn H. Kim⁶, Piero Quaglino⁷, Pier Luigi Zinzani⁸, Oliver Bechter⁹, Herbert Erdt¹⁰, Lauren Pitts-Rivers¹¹, Oleg Alipiev¹², Larus Gasman¹³, Jose Sanchez¹⁴, Pablo Ortiz-Romero¹⁵, Julie Liviano¹⁶, Lisa Brown¹⁷, Maria Conina Palanca-Wessels¹⁸, Ashish Gautam¹⁹, Veronica Bunn²⁰, Mercedes Lora²¹, Richard Durmow²²

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Background

- CTCL represents a heterogeneous group of T-cell lymphomas, primarily involving the skin, that includes MF (the most common type of CTCL) and pCLLCL.
- CTCLs can have a chronic course, as well as considerable symptom burden and impact on patient QoL.¹
- Early-stage CTCLs are treated using skin-directed therapies. Systemic therapies can be used to treat advanced CTCL, but no regimen has been shown to prolong survival in advanced stages and treatment is focused on reducing disease burden, delaying progression and improving QoL.²
- In pCLLCL, involvement of CD30 is expressed by the majority of tumor cells³ whereas in MF the proportion of CD30-expressing cells is variable.⁴
- Brentuximab vedotin is approved in the US for patients with pCLLCL or CD30-expressing MF who have received prior systemic therapy⁵ and in the EU for adults with CD30+ CTCL after at least 1 prior systemic therapy.⁶ The approval was based on the results of the randomized ALCANZA study.⁷
- ALCANZA is an international, open-label, randomized phase 3 trial of brentuximab vedotin vs physician's choice (PC) of methotrexate or bexarotene in patients with previously treated MF or pCLLCL.⁸
 - With median follow-up of 22.3 months, the original analysis showed that brentuximab vedotin was superior to physician's choice⁸ demonstrating:
 - Significantly improved ORR (56% vs 15%, p<0.0001)
 - Significantly higher CR rate (16% vs 2%; adjusted p=0.0046)
 - Significantly longer PFS (median 16.7 vs 3.5 months; HR=0.279, 95% CI: 0.159-0.473; adjusted p=0.0001)
 - Significantly longer PFS in patients reported symptoms per SK index-23 symptom domain (-27.95 vs -0.62; adjusted p=0.0001).
- The primary analysis was performed 18 months after the last patients end of treatment in (date cut-off May 31, 2019).
- Here we report final results from the ALCANZA study (date cut-off September 28, 2019).

Objectives of the current analysis

- To report long-term efficacy and safety data from the ALCANZA study in terms of:
 - Primary study endpoint: ORR (read on follow-up TBC)
 - Other select endpoints: PFS, OS, TTNT, response by disease subtype (MF or pCLLCL) and resolution and duration of PN.

Table 1. Patient baseline characteristics (ITT population)

	Treatment group	
	Brentuximab vedotin (n=46)	Physician's choice (n=46)
Median age, (range)	52 (20-81)	59 (20-81)
Male, n (%)	31 (66)	37 (80)
ECOG PS 0-1, n (%)	61 (66)	52 (87)
Median CD30 expression, % (range)	33.0 (0-100)	31.0 (0-100)
MF, n (%)	46 (100)	46 (100)
Erythema marginatum (EM), n (%)	10 (22)	10 (22)
Advanced stage (AS), n (%)	36 (78)	36 (78)
pCLLCL, n (%)	16 (35)	16 (35)
Generalized, n (%)	11 (26)	11 (26)
Circumscribed disease, n (%)	5 (11)	5 (11)
Total number of prior therapies, median (range)	4.0 (0-13)	3.8 (1-13)
Number of prior systemic therapies, median (range)	2.0 (0-11)	2.1 (1-6)

Table 2. ORR, best response to treatment, PFS and OS (ITT population)

	Brentuximab vedotin (n=46)		Physician's choice (n=46)		p-value
	n	(%)	n	(%)	
ORR (per RP), n (%)	26	57	8	17	<0.0001
Best response to 1 cycle per RP, n (%)					
CR	11	24	1	2	0.002
PR	31	66	12	26	
SD	11	24	18	39	
PD	5	11	22	48	
Median PFS per RP, best RP	16.7		3.5		<0.0001
3-year OS estimate, % (95% CI)	66.4 (57.7-75.2)		61.8 (52.3-71.3)		

Patient responses by disease subtype

- ORR, ORR, and CR rate per RP were higher with brentuximab vedotin than with PC in both the MF and pCLLCL groups (Table 3).

Table 3. Patient response per RP by disease subtype (ITT population)

	Brentuximab vedotin (n=46)		Physician's choice (n=46)	
	n	(%)	n	(%)
Total	26	57	8	17
MF	46	100	46	100
pCLLCL	16	100	16	100

PN (SMQ)

- In the safety population a total of 4466 patients (97% in the brentuximab vedotin arm and 462 (8%) in the PC arm) reported PN, known locally with brentuximab vedotin (Table 4).
- In the brentuximab vedotin arm (n=44) median PN grade was mostly grade 1 (18/44 or 41%), as patients had grade 2 events and there were no grade 4 events.

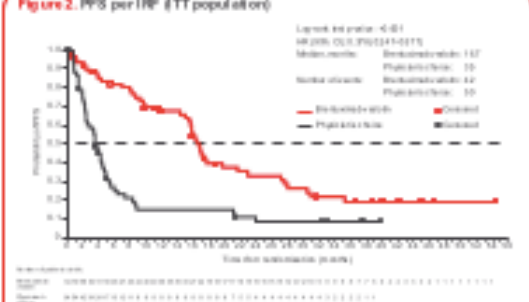
Table 4. Resolution, improvement, and duration of PN (SMQ) (safety population)

Date onset	Brentuximab vedotin (n=44)		Physician's choice (n=44)	
	n	(%)	n	(%)
Patients with resolution within 30 days of PN onset, n (%)	36	82	20	45
Patients with resolution of PN within 30 days, n (%)	27	61	11	25
Patients with improvement in PN, n (%)	36	82	20	45
Patients with ongoing PN, n (%)	8	18	24	55
Median duration of ongoing PN, n (%)	60	100	-	-
Patients with ongoing PN, n (%)	22	50	19	43
Median duration of ongoing PN, n (%)	12	27	12	27

- Final results show that PN had completely resolved (29/44) or improved (by at least 1 grade) (12/44) in 80% (35/44) of patients treated with brentuximab vedotin, as compared with 52% (20/44) in the original analysis.⁸
 - Ongoing PN was grade 1 or 2 in 18 (41%) patients (no patients had ongoing grade 3 or 4 PN), as compared with grade 1 or 2 in 19 (43%) patients in the original analysis.

Conclusions

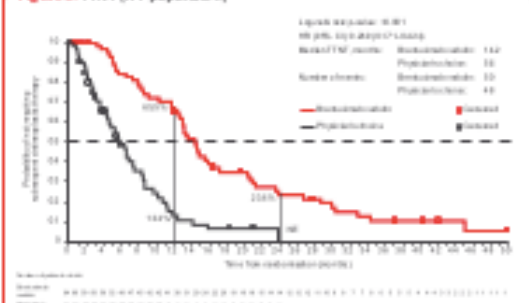
Figure 2. PFS per RP (ITT population)



TTNT

- With median follow-up for TTNT of 37.3 months, in the brentuximab vedotin and PC arms, 56 (78%) and 46 (76%) of patients had received subsequent antineoplastic therapy, respectively (Figure 3).
 - Median TTNT was significantly longer with brentuximab vedotin vs PC (14.3 [95% CI: 12.2-16.4] vs 5.6 months [95% CI: 4.3-7.3]; HR=0.269; 95% CI: 0.171-0.424; p<0.001).
 - In the brentuximab vedotin vs PC arms, the probability of patients not requiring subsequent antineoplastic therapy was greater at 1 year (65.5% [95% CI: 51.8-76.2] vs 13.4% [95% CI: 5.5-24.9]) and 2 years (33.6% [95% CI: 13.3-55.4] vs 1%) post-randomization.

Figure 3. TTNT (ITT population)



Median follow-up 45.9 months

Randomized phase 3 ALCANZA study of brentuximab vedotin vs physician's choice in cutaneous T-cell lymphoma: final data

Short title for the running head: Brentuximab vedotin vs physician's choice in CTCL

Steven M. Horwitz,¹ Julia J. Scarisbrick,² Reinhard Dummer,³ Sean Whittaker,⁴ Madeleine Duvic,⁵ Youn H. Kim,⁶ Pietro Quaglino,⁷ Pier Luigi Zinzani,⁸ Oliver Bechter,⁹ Herbert Eradat,¹⁰ Lauren Pinter-Brown,¹¹ Oleg E. Akilov,¹² Larisa Geskin,¹³ Jose A. Sanches,¹⁴ Pablo L. Ortiz-Romero,¹⁵ Michael Weichenthal,¹⁶ David C. Fisher,¹⁷ Jan Walewski,¹⁸ Judith Trotman,¹⁹ Kerry Taylor,²⁰ Stephane Dalle,²¹ Rudolf Stadler,²² Julie Lisano,²³ Veronica Bunn,²⁴ Meredith Little,²⁴ and H. Miles Prince²⁵



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Table 1. Summary of efficacy (ITT population)

	Brentuximab vedotin (n = 64)	Physician's choice (n = 64)	<i>P</i>
ORR4 per IRF, n (%)	35 (54.7)*	8 (12.5)	< .001
Best response per IRF, n (%)			
ORR (CR + PR)	42 (65.6)	13 (20.3)	< .001
CR	11 (17.2)	1 (1.6)	.002
PR	31 (48.4)	12 (18.8)	
SD	10 (15.6)	18 (28.1)	
PD	5 (7.8)	22 (34.4)	
Median PFS per IRF, months (95% CI) [†]	16.7 (15.4-21.6)	3.5 (2.4-4.6)	
HR for PFS (95% CI)	0.38 (0.25-0.58)		< .001
3-year OS rate, % (95% CI)	64.4 (50.7-75.2)	61.9 (47.3-73.6) [‡]	
HR for OS (95% CI)	0.75 (0.42-1.32)		.310

Table 3. Patient response per IRF by baseline disease subtype and stage per investigator (ITT population)

	Patients, n (%)							
	Brentuximab vedotin (n = 64)				Physician's choice (n = 64)			
	Total	ORR4	ORR	CR	Total	ORR4	ORR	CR
MF	48 (75)	24 (50)	31 (65)	5 (10)	49 (77)	5 (10)	8 (16)	0
Stage								
IA-IIA	15 (31)	6 (40)	8 (53)	1 (7)	18 (37)	4 (22)	5 (28)	0
IIB	19 (40)	12 (63)	13 (68)	3 (16)	19 (39)	1 (5)	3 (16)	0
IIIA-IIIB	4 (8)	2 (50)	3 (75)	0	2 (4)	0	0	0
IVA	2 (4)	2 (100)	2 (100)	1 (50)	9 (18)	0	0	0
IVB	7 (15)	2 (29)	4 (57)	0	0	–	–	–
Unknown	1 (2)	0	1 (100)	0	1 (2)	0	0	0
C-ALCL	16 (25)	11 (69)	11 (69)	6 (38)	15 (23)	3 (20)	5 (33)	1 (7)
Involvement								
Skin only	9 (56)	8 (89)	8 (89)	4 (44)	11 (73)	3 (27)	5 (45)	1 (9)
Extracutaneous disease	7 (44)	3 (43)	3 (43)	2 (29)	4 (27)	0	0	0

One patient in each arm had incomplete staging data and are not included in the table: 1 patient in the brentuximab vedotin arm had a PR and 1 patient in the physician's choice arm had no response.

– indicate data were unavailable.

Abbreviations are explained in Table 1.

Table 2. PFS per IRF by number of cycles of brentuximab vedotin received (ITT population)

	Number of treatment cycles		
	1-5 (n = 19)	6-12 (n = 17)	13-16 (n = 28)
Median PFS, months	3.8	15.4	21.6
PFS for extended follow-up, %*			
12 months	27.3	58.8	96.0
18 months	18.2	32.7	57.3
24 months	18.2	26.1	46.9

*Kaplan-Meier estimates.

Table 4. Resolution, improvement, and duration of PN (SMQ) (safety population)

Data cut-off	Brentuximab vedotin (n = 44)		Physician's choice (n = 4)	
	May 31, 2016	Sep 28, 2018	May 31, 2016	Sep 28, 2018
Patients with resolution or improvement of PN events, n (%)	36 (82)	38 (86)	1 (25)	2 (50)
Patients with resolution of all PN events, n (%)	22 (50)	26 (59)	1 (25)	2 (50)
Median time to resolution, weeks	27.0	33.0	2.0	10.5
Patients with improvement in PN events by ≥ 1 grade, n (%)	14 (32)	12 (27)	0	0
Median time to improvement, weeks	8.0	15.0	—	—
Patients with ongoing PN events, n (%)	22 (50)	18 (41)	3 (75)	2 (50)
Maximum severity grade 1, n (%)	17 (39)	15 (34)	1 (25)	1 (25)
Maximum severity grade 2, n (%)	5 (11)	3 (7)	2 (50)	1 (25)

PN indicates peripheral neuropathy.

— indicate data were unavailable.



Original Research

Patient-reported quality of life in patients with relapsed/refractory cutaneous T-cell lymphoma: Results from the randomised phase III ALCANZA study

Reinhard Dummer ^{a,*}, Henry M. Prince ^b, Sean Whittaker ^c, Steven M. Horwitz ^d, Youn H. Kim ^e, Julia Scarisbrick ^f, Pietro Quaglino ^g, Pier Luigi Zinzani ^h, Pascal Wolter ⁱ, Herbert Eradat ^j, Lauren Pinter-Brown ^k, Jose A. Sanches ^l, Pablo L. Ortiz-Romero ^m, Oleg E. Akilov ⁿ, Larisa Geskin ^o, Auris Huen ^p, Jan Walewski ^q, Yinghui Wang ^r, Julie Lisano ^s, Akshara Richhariya ^t, Joseph Feliciano ^u, Yanyan Zhu ^v, Veronica Bunn ^w, Meredith Little ^x, Erin Zagadailov ^y, Mehul R. Dalal ^z, Madeleine Duvic ^z

R. Dummer et al. / European Journal of Cancer 133 (2020) 120–130

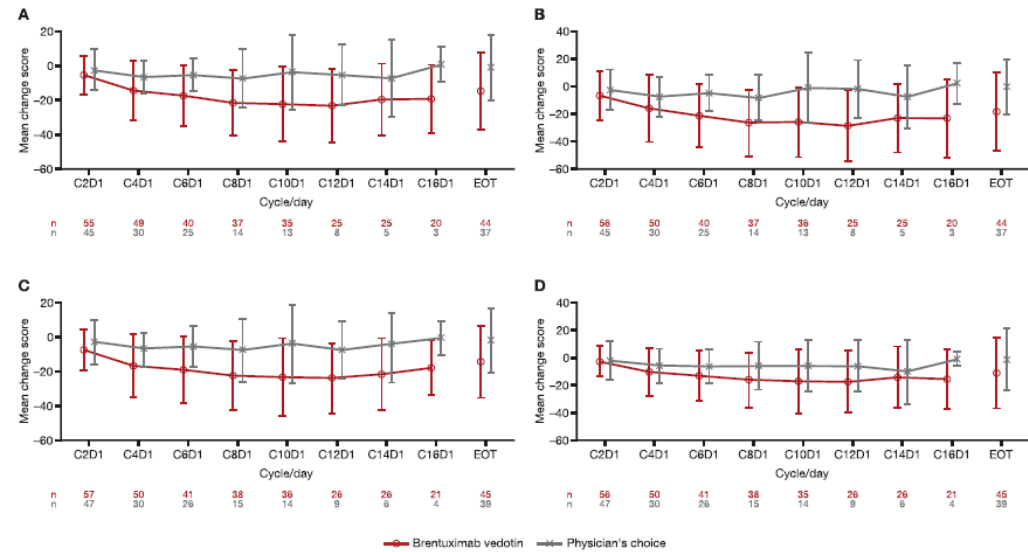
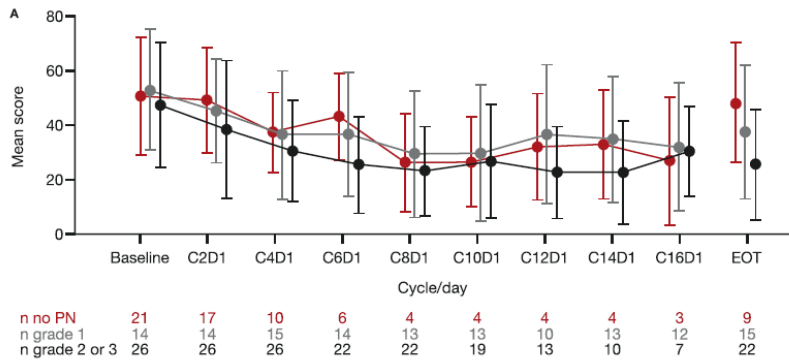


Fig. 1. Mean change from baseline in Skindex-29 total and domain scores in evaluable patients, including the key secondary end-point of Skindex-29 symptom domain score: (A) total score, (B) symptom domain, (C) emotions domain and (D) functioning domain. Bar represents mean \pm standard deviation. Higher scores indicate a higher impact of skin disease on quality of life. The psychometric validity of a sum score has not been established. The developer recommends calculating and reporting it largely to simplify the presentation of results. C, cycle; D, day; EOT, end of treatment.

According to neuropathy: no worsening in Skindex-29

Original Research

Response to brentuximab vedotin versus physician's choice by CD30 expression and large cell transformation status in patients with mycosis fungoides: An ALCANZA sub-analysis

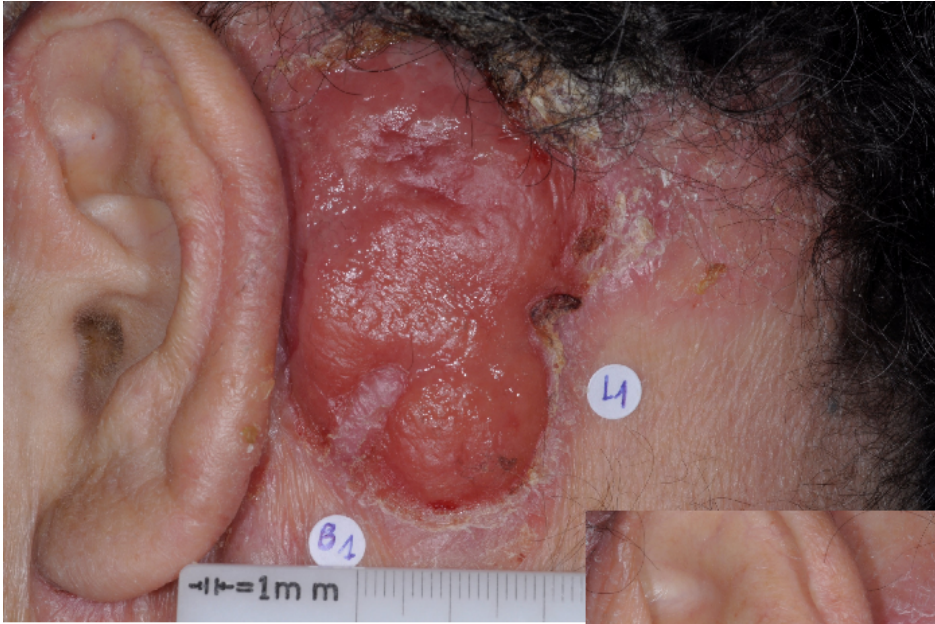
 Youn H. Kim^{a,*}, H. Miles Prince^b, Sean Whittaker^c, Steven M. Horwitz^d, Madeleine Duvic^e, Oliver Bechter^f, Jose A. Sanchez^g, Rudolf Stadler^h, Julia Scarisbrickⁱ, Pietro Quaglino^j, Pier Luigi Zinzani^k, Pascal Welter^l, Herbert Eradat^m, Lauren C. Pinter-Brownⁿ, Pablo L. Ortiz-Romero^o, Oleg E. Akilov^p, Judith Trotman^q, Kerry Taylor^r, Michael Weichenthal^s, Jan Walewski^t, David Fisher^u, Marise McNealey^v, Alejandro A. Gru^w, Lisa Brown^{x,y}, M. Corinna Palanca-Wessels^z, Julie Lisano^{aa}, Matthew Onsum^{ab}, Veronica Bunn^{ac}, Meredith Little^{ad}, William L. Trepicchio^{ae}, Reinhard Dummer^{af}
Efficacy of brentuximab vedotin and PC by CD30 expression and LCT status.

Treatment	CD30 _{min} < 10% (n = 43)		CD30 _{min} ≥ 10% (n = 57)	
	Brentuximab vedotin (n = 22)	Physician's choice (n = 21)	Brentuximab vedotin (n = 28)	Physician's choice (n = 29)
ORR4, n (%)	9 (40.9)	2 (9.5)	16 (57.1)	3 (10.3)
Δ versus PC, % (95% CI)	31.4 (2.8–58.1)		46.8 (20.6–67.0)	
Median PFS, months (95% CI)	16.7 (8.6–27.0)	2.3 (1.6–3.5)	15.5 (9.8–22.8)	3.9 (2.2–6.3)
HR (95% CI)	0.189 (0.087–0.414)		0.340 (0.172–0.674)	
Treatment	LCT present (n = 34)		LCT absent (n = 62)	
	Brentuximab vedotin (n = 17)	Physician's choice (n = 17)	Brentuximab vedotin (n = 31)	Physician's choice (n = 31)
ORR4 per IRF, n (%)	11 (64.7)	3 (17.6)	12 (38.7)	2 (6.5)
Median PFS, months (95% CI)	15.5 (9.1–22.8)	2.8 (1.4–7.3)	16.1 (8.6–21.6)	3.5 (2.2–4.3)
Median CD30 _{min} , % (range)	30.0 (0–95.0)	20.0 (0–95.0)	5.0 (0–60.0)	8.0 (0–50.0)

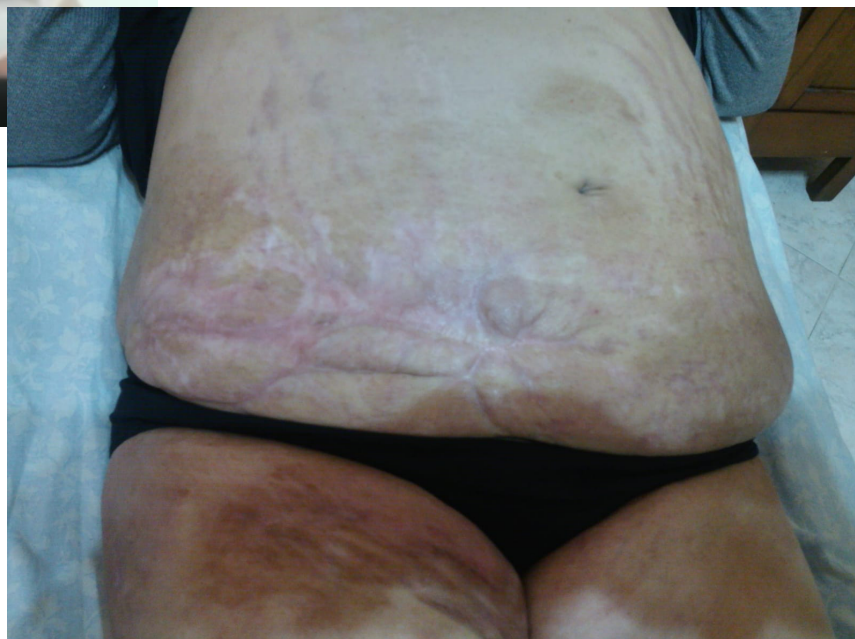
 CD30_{min}, minimum CD30 levels; CI, confidence interval; HR, hazard ratio; IRF, independent review facility; LCT, large cell transformation; ORR4, objective response rate lasting ≥4 months; PC, physician's choice; PFS, progression-free survival.

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- CD30 e meccanismo di azione
- Risultati degli studi di fase II
- Lo studio ALCANZA
- Real life data

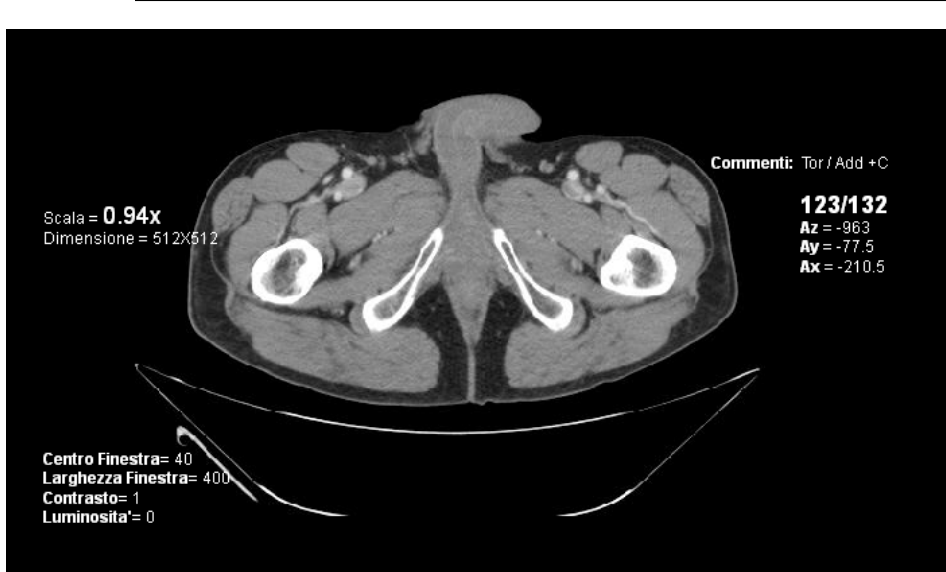
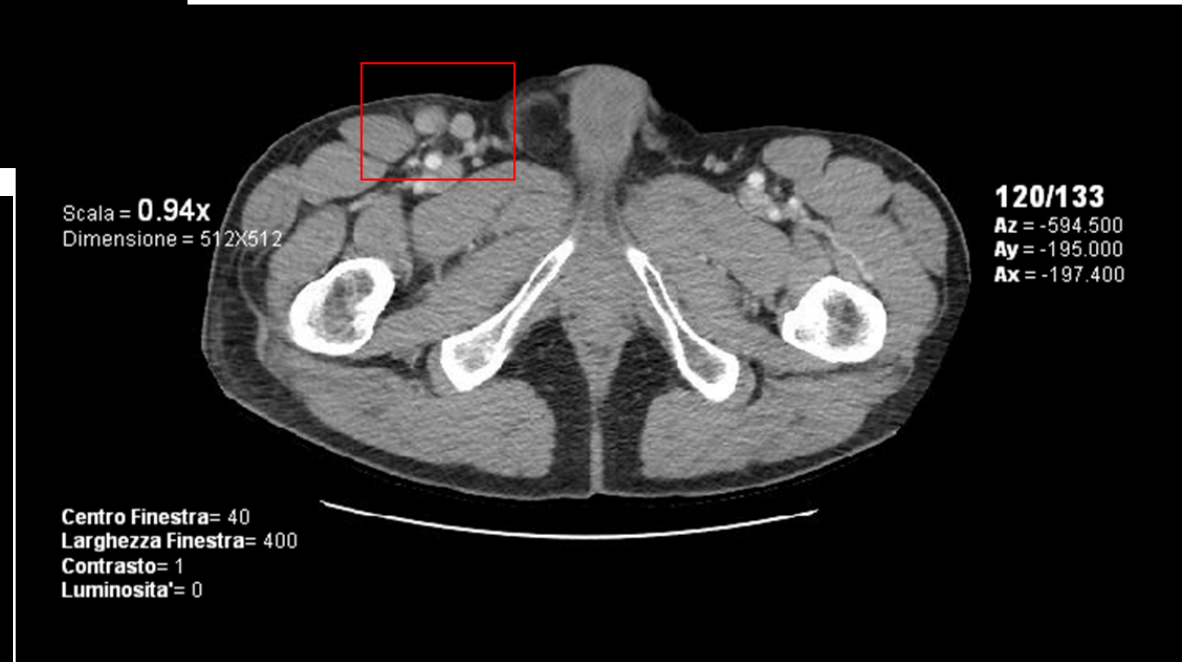








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Rapid response of nodular CD30-positive mycosis fungoides to brentuximab vedotin



A patient diagnosed with mycosis fungoides presented with erythrodermic and scaly patches and plaques covering almost his entire body surface, with nodular lesions (up to 10 × 10 cm) fungating from the abdominal wall. Immunohistochemical analysis of the skin biopsy specimen showed CD30 expression in 50% of CD3/CD4-positive lymphoid cells. We treated the patient with four courses

lesions had completely disappeared and the other skin lesions had improved (bottom). CD30 positivity (defined as >10% of the lymphoid infiltrate) has varied from 10% to 63% in two reported series of patients at all stages of the disease (Duvic, 2011; Krathen *et al*, 2012) indicating that brentuximab vedotin is a potential new therapy for mycosis fungoides.

Multicentric EORTC retrospective study shows efficacy of brentuximab vedotin in patients who have mycosis fungoides and Sézary syndrome with variable CD30 positivity

E. Papadavid,¹ E. Kapniari,¹ V. Pappa,² V. Nikolaou,¹ T. Iliakis,² M. Dalamaga,³ C. Jonak,⁴ S. Porkert,⁴ S. Engelina,⁵ P. Quaglino,⁵ P.L. Ortiz-Romero,⁶ C. Vico,⁷ A. Cozzio,^{8,9} F. Dimitriou,^{8,9} R. Guiron,¹⁰ E. Guenova,^{11,12} E. Hodak,⁵ M. Bagot,¹³⁻¹⁴ and J. Scarisbrick¹⁵

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BJD 2021

ALCANZA patient groups

	Brentuximab vedotin (n=64)	Methotrexate or bexarotene (n=64)
MF*, n (%)	48 (75)	49 (77)
Early (IA-IIA)	15 (31)	18 (37)
Advanced (IIB-IVB**)	32 (67)	30 (61)
pcALCL, n (%)	16 (25)	15 (23)
Skin only	9 (56)	11 (73)
Extracutaneous disease	7 (44)	4 (27)
Total number of prior therapies, median (range)	4.0 (0-13)	3.5 (1-15)
Number of prior systemic therapies, median (range)	2.0 (0-11)	2.0 (1-8)

Table 1. Patients' demographics and clinical characteristics

Age (years)	
Mean ± SD	61.3 ± 12.4
Sex (N, %)	
Male	43/72 (59.7 %)
Female	29/72 (40.3 %)
Country (N, %)	
Switzerland	16/72 (22.2%)
UK	15/72 (20.8%)
Greece	10/72 (13.9%)
France	10/72 (13.9%)
Austria	6/72 (8.3%)
Spain	5/72 (6.9%)
Italy	4/72 (5.6 %)
Israel	6/72 (8.3 %)
Disease Characteristics	
Disease Duration (Years)	
Median (IQR)	4 (2-8)
CTCL type(N, %)	
SS	15/72 (20.8%)
MF	57/72 (79.2%)
CTCL stage at BV initiation(N, %)	
IB	1/72 (1,4%)
IIB	32/72 (44,4%)
IIIA	1/72 (1,4%)
IIIB	4/72 (5,6%)
IVA1	5/72 (7%)
IVA2	17/72 (23,6%)

IVB	12/72 (16,6%)
B involvement (N, %)	
B0	54/72 (75%)
B1	3/72 (4.2 %)
B2	15/72 (20,8%)
N involvement (N, %)	
N0	34/72 (47.2%)
N1	4/72 (5.6%)
N2	4/72 (5.6%)
N3	23/72 (31.9%)
NX	7/72 (9.7%)
M Metastases (N, %)	
M0	62/72 (86.2%)
M1	10/72 (13.8%)
CD30 presence(N, %)	
≤5	14/72 (19.4%)
5-10	14/72 (19.4%)
>10	44/72 (61.2%)
LCT (N, %)	49/68* (72.1%)
No of systemic previous treatments (N, %)	
<3	46/72 (63.9%)
≥3	26/72 (36.1%)
No of previous treatment	
Median (IQR)	2 (1-3)

*N of patients with available data

Multicentric EORTC retrospective study shows efficacy of brentuximab vedotin in patients who have mycosis fungoides and Sézary syndrome with variable CD30 positivity

E. Papadavid,¹ E. Kapniari,¹ V. Pappa,² V. Nikolaou,¹ T. Iliakis,² M. Dalamaga,³ C. Jonak,⁴ S. Porkert,⁴ S. Engelina,⁵ P. Quaglino,⁵ P.L. Ortiz-Romero,⁶ C. Vico,⁷ A. Cozzio,^{8,9} F. Dimitriou,^{8,9} R. Guiron,¹⁰ E. Guenova,^{11,12} E. Hodak,⁵ M. Bagot,¹³⁻¹⁴ and J. Scarisbrick¹⁵

Table 2 Response rates, durability results and overall survival of brentuximab vedotin in patients with mycosis fungoides/Sézary syndrome

Variable	Value
Overall response lasting at least 4 months	28/67 (42)
Overall response rate	45/67 (67)
Complete response	18/67 (27)
Partial response	27/67 (40)
Stable disease	9/67 (13)
Progression of disease	13/67 (19)
Skin overall response rate	47/65 ^a (72)
Blood overall response rate	4/10 ^a (40)
Time to response (weeks)	
Median (IQR)	8 (5.5–14)
Mean (SD)	10.8 (7.9)

Response duration (months)	
Median (IQR)	9 (3.4–14)
Mean (SD)	10.05 (7)
Response duration in patients with complete response (months)	
Median (IQR)	13.5 (6.4–21.8)
Mean (SD)	14.3 (8.6)
Response duration in patients with partial response (months)	
Median (IQR)	9 (3.2–12.5)
Mean (SD)	8.6 (5.2)
Progression-free survival	
Median (IQR)	7 (2–12)
Mean (SD)	8.02 (6.9)
Time to next treatment (days)	
Median (IQR)	30 (6–157.5)
Mean (SD)	127.6 (204.7)

Data are n/N(%) unless otherwise indicated. ^an of patients with available data.

Brentuximab Vedotin for Relapsed or Refractory Sézary Syndrome

Daniel J. Lewis, MD; Paul L. Haun, MD; Sara S. Samimi, MD; Carmela C. Vittorio, MD; Jennifer Villaseñor-Park, MD, PhD; Stefan K. Barta, MD; Daniel J. Landsburg, MD; Jakub Svoboda, MD; Sunita D. Nasta, MD; Stephen J. Schuster, MD; Alain H. Rook, MD; Ellen J. Kim, MD

IMPORTANCE Treatment options for Sézary syndrome (SS) are limited and associated with low response rates. Brentuximab vedotin is a CD30-directed antibody-drug conjugate approved for refractory CD30-positive cutaneous T-cell lymphoma. However, limited data exist on its efficacy in SS, including in the pivotal phase 3 ALCANZA (A Phase 3 Trial of Brentuximab Vedotin (SGN-35) Versus Physician's Choice [Methotrexate or Bexarotene] in Participants With CD30-Positive Cutaneous T-Cell Lymphoma) trial.

OBJECTIVE To assess the preliminary efficacy and tolerability of brentuximab vedotin for SS.

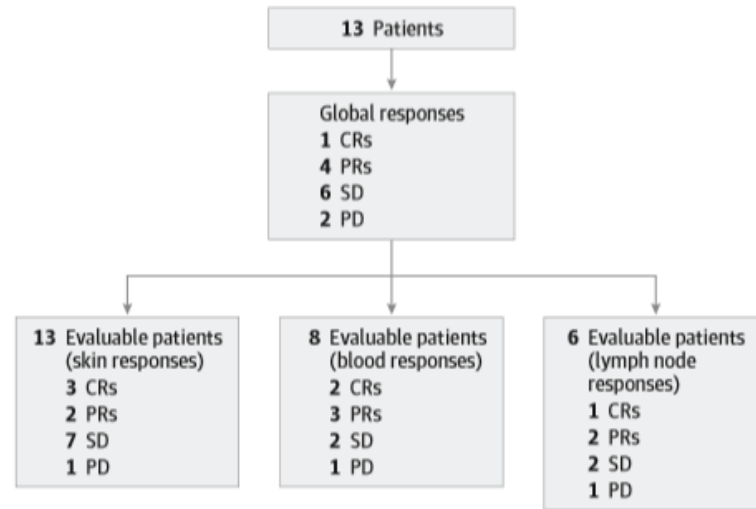
Key Points

Questions What is the global response rate of brentuximab vedotin in Sézary syndrome (SS), and how does it compare with other therapies used for SS?

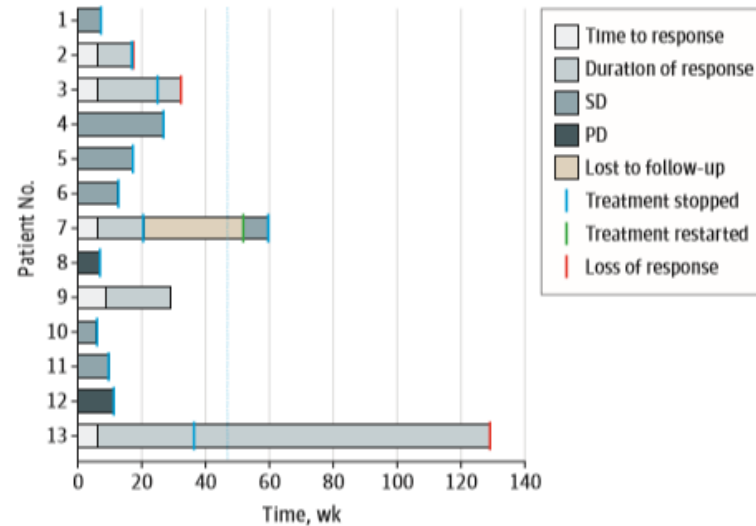
Findings In this case series, 5 of 13 patients with SS (38%) achieved a global response, including 1 complete response. Response rates by disease compartment were 38% in the skin, 63% in the blood, and 50% in the lymph nodes.

Meaning Brentuximab vedotin is associated with some efficacy in SS.

A Global and disease compartment responses to brentuximab vedotin compartment



B Responses in all patients and response duration



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Article type : Research Letter

Corresponding author mail id: julia.scarisbrick@uhb.nhs.uk

**Brentuximab a novel antibody therapy: Real-World Use Confirms Efficacy in
positive cutaneous lymphoma**

S. Engelina, M. Saggi, J. Yoo, F. Shah, A. Stevens, C Irwin, S. Chaganti ;
University Hospital Birmingham (UHB), Birmingham, UK.

Patient	Gender	Diagnosis	Age at diagnosis	Stage prior to BV	No. of BV cycles	No. of weeks	CD30%	Response	No. of previous systemics
1	F	MF	57	IIB	4	12	10	SD	3
2	M	MF	60	IIB	9	27	30	CR	3
3	M	MF	60	IIB	13	39	27	PR	3
4	F	MF	57	IIIB	7	21	10	CR	4
5	M	MF	76	IIIB	16	48	100	CR	3
6	M	MF	47	IVA2	5	15	5	PR	4
7	M	MF	43	IVA2	9	27	10	PD	4
8	M	MF	48	IVA2	10	30	100	CR	2
9	F	MF	50	IVA2	16	48	1.5	PR	1
10	M	pcALCL	59	T3N0M1	4	12	100	PD	2
11	M	pcALCL	39	T2CN1M0	6	18	100	CR	1
12	M	pcALCL	41	T3AN2M0	8	24	100	CR	2

pcALCL: primary anaplastic large-cell lymphoma. MF: mycosis fungoides. CR: complete response. PR: partial response. SD: stable disease. PD: disease progression.

Article type : Research Letter

Real-world effectiveness of brentuximab vedotin in the treatment of CD30-positive cutaneous T-cell lymphoma: A single-centre retrospective review

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Divisions of ¹Dermatology and ²Hematology, McGill University, Montreal, Quebec, Canada

BJD Oct 5, 2021

- Overall response rate sustained for 4 months (ORR4) was 52.9% (9/17).
- CR in skin occurred in 35.3% (6/17) after a median of 8.7 weeks (IQR: 5.2-13.7 weeks) and 6.5 cycles (IQR: 3.75-8 cycles), lasting for a median of 65.8 weeks (IQR: 15.2-100.8 weeks).
- Toxicities occurred in 76.5% (13/17) (grade 1-3). Six patients required dose reduction (to 1.4 mg/kg) due to toxicity (peripheral neuropathy [4/6], febrile neutropenia [1/6], elevated liver enzymes [1/6]).
- Discontinuation due to toxicity occurred in 23.5%. Peripheral neuropathy, the most common toxicity, occurred in 47% (7/17 grade 1-2; 1/17 grade 3).

Correspondence

Complete remission with brentuximab vedotin in a case of primary cutaneous gamma-delta T-cell lymphoma relapsed after allogeneic stem cell transplantation

Dear Editor,

Primary cutaneous gamma-delta T-cell lymphoma (GD-TCL) is a rare and aggressive entity. Clinically, it has a variable presentation more frequently as rapidly growing erythematous, ulcerated plaques, and nodules; less frequently, yet typically, with initial subcutaneous involvement, resembling subcutaneous panniculitis, such as T-cell lymphoma (SPLTCL), progressing

CD30 immunotoxin) was started while considering a new allo-transplantation procedure. BV was administered (1.8 mg/kg i.v. q21) for 16 cycles. A clinical CR was obtained already after eight cycles, with non-remarkable side effects, and chimerism assay showed 100% of donor cells. The patient is currently still disease-free.

At last clinical follow-up, after 36 months from last BV cycle, the patient is still in complete remission.

The 2016 update of the WHO classification for myeloid and lymphoid neoplasms recognizes primary cutaneous GD-



Figure 1 Clinical photos showing details of lesions on both legs at the time of relapse. Active lesions presented as multiple, painful subcutaneous plaques and nodules with tendency to ulceration

Complete remission with brentuximab vedotin in a case of primary cutaneous gamma-delta T-cell lymphoma relapsed after allogeneic stem cell transplantation.

Lastrucci I, Grandi V, Gozzini A, Vannucchi M, Kovalchuk S, Santucci M, Pimpinelli N. Int J Dermatol. 2021 Jun;60(6):778-780.

Table 2 Overview of the pooled data

Number of studies	13
Number of patients	149
CR	37
PR	75
ORR (%)	75

CR, complete response; PR, partial response; ORR, overall response rate.

Table 3 Alternative treatment regimens

Dose (mg kg ⁻¹)	Interval
1·2	Every 3 weeks
1·2	Start every 3 weeks Extension of the intervals depending on the response
1·8 followed by reduction to 1·2	Start every 3 weeks Extension of the intervals depending on response

Brentuximab vedotin in CD30⁺ cutaneous lymphoma: How do we treat, how shall we treat? A review of the literature

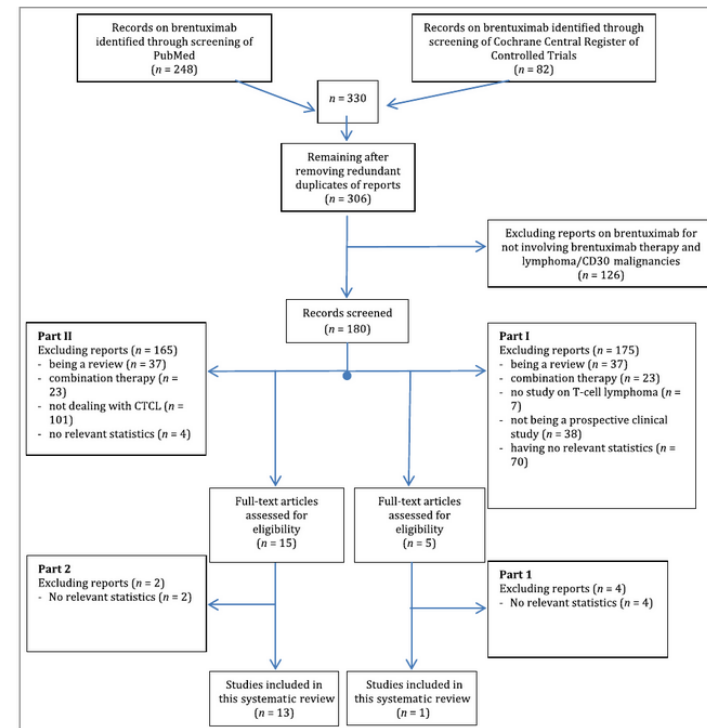
R. Stranzenbach¹, E. Dippel², M. Schlaak³ and R. Stadler¹

¹Department of Dermatology, Venerology, Allergology and Phlebology, Johannes Wesling Medical Centre, University Hospital of Ruhr-University Bochum, Minden, Germany

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Linked Comment: Scarisbrick. *Br J Dermatol* 2017; 177:1474–1475.



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- CD30 e meccanismo di azione
- Risultati degli studi di fase II
- Lo studio ALCANZA
- Real life data
- Positioning del farmaco

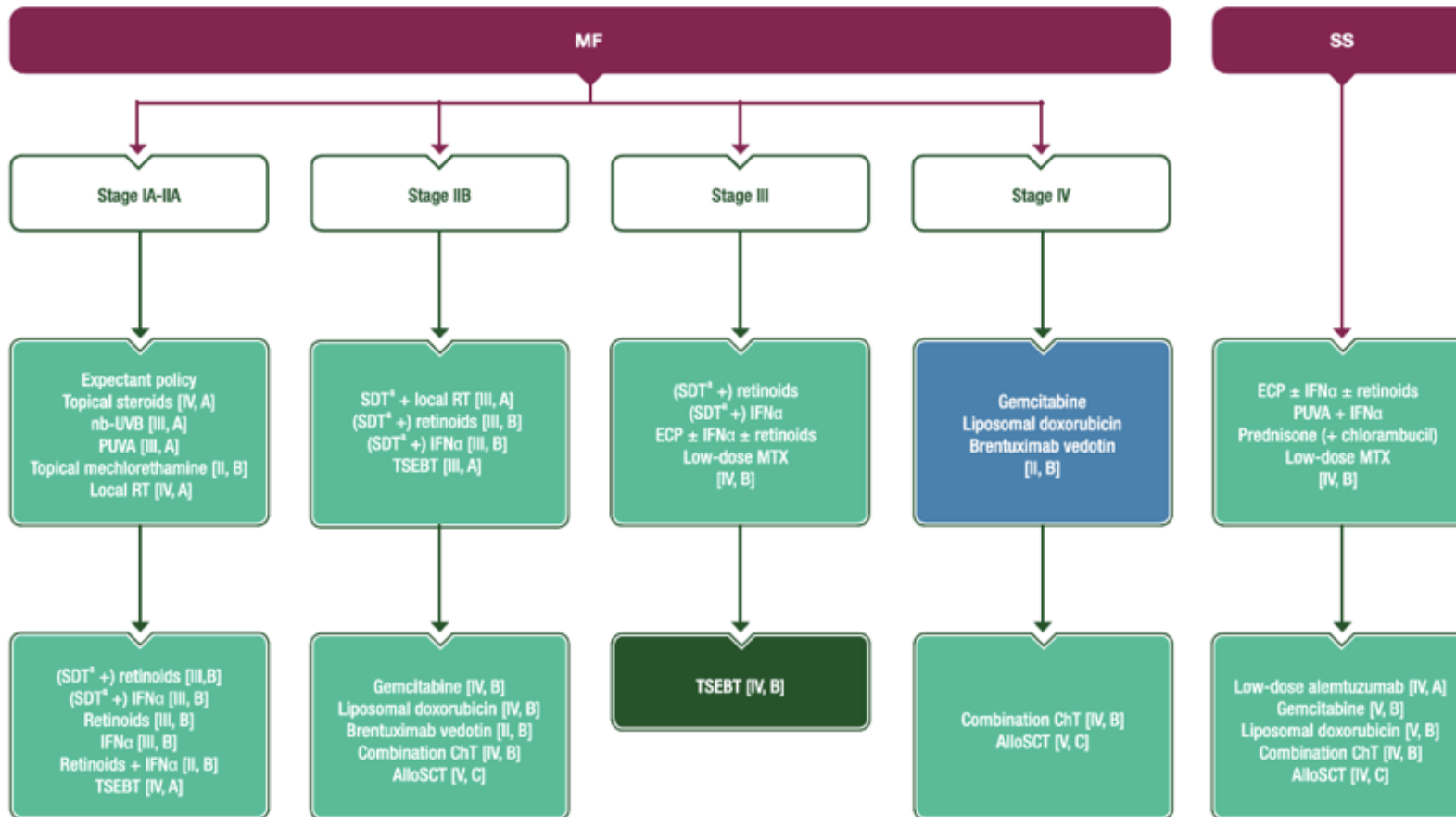
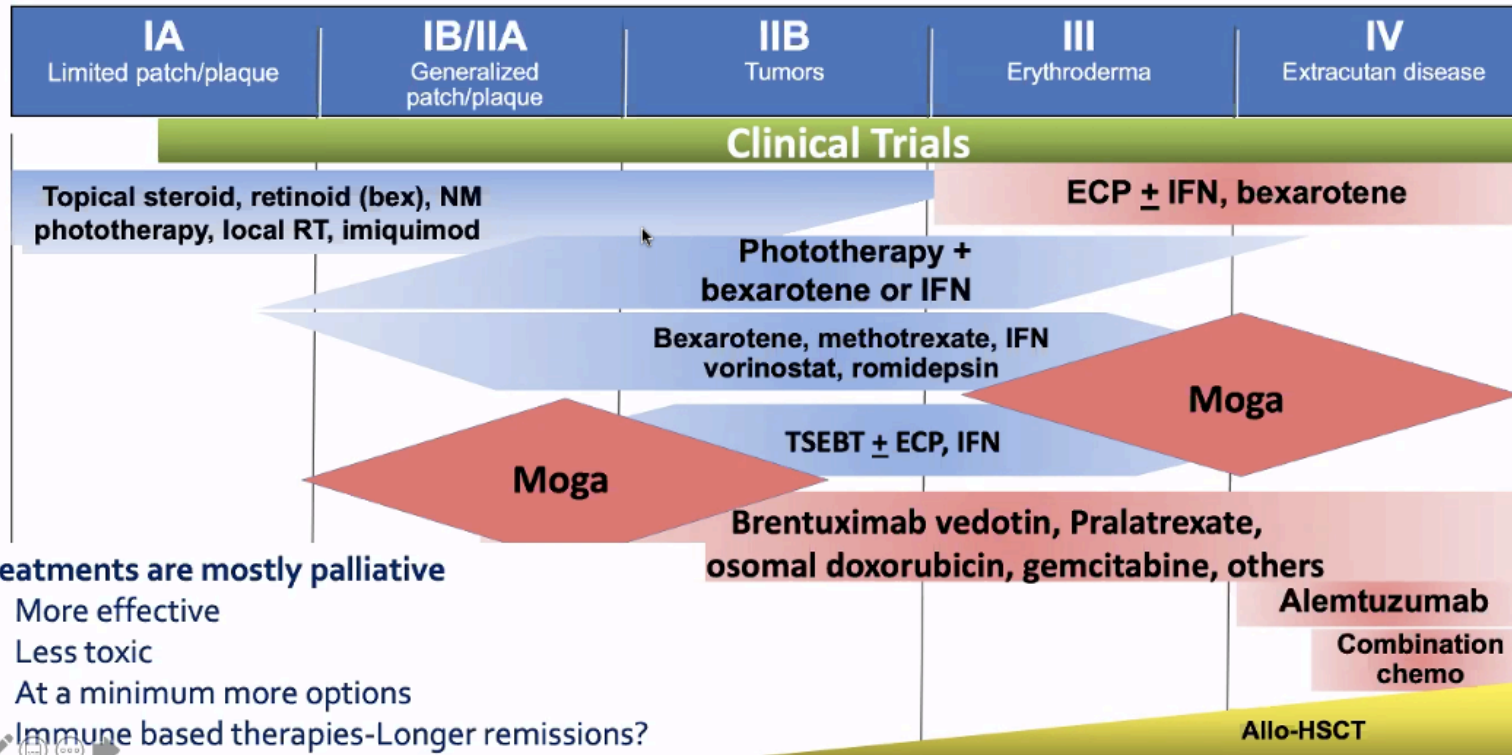


Figure 1. Recommendations for the treatment of MF/SS.

^aMost commonly PUVA.

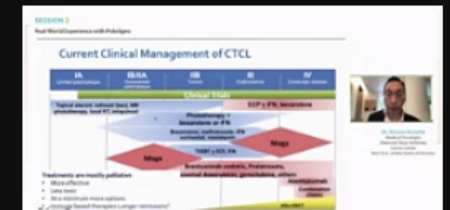
AlloSCT, allogeneic stem cell transplantation; ChT, chemotherapy; ECP, extracorporeal photopheresis; IFN α , interferon alpha; MF, mycosis fungoides; MTX, methotrexate; nb-UVB, narrow-band ultraviolet B; PUVA, psoralens plus ultraviolet A; RT, radiotherapy; SS, Sézary syndrome; SDT, skin-directed therapy; TSEBT, total skin electron beam therapy.

Current Clinical Management of CTCL



Treatments are mostly palliative

- More effective
- Less toxic
- At a minimum more options
- Immune based therapies-Longer remissions?



Media Control



Steven Horwitz

Primary Cutaneous Lymphomas, Version 2.2020

Featured Updates to the NCCN Guidelines

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SUGGESTED TREATMENT REGIMENS^{a,b}

SYSTEMIC THERAPIES			
	Preferred Regimens (alphabetical order)	Other Recommended Regimens	Useful Under Certain Circumstances
SYST-CAT A	<ul style="list-style-type: none"> • Brentuximab vedotin^{i,j,k} • Bexarotene^h • Extracorporeal photopheresis (ECP)^l • Interferons (IFN-alfa-2b^m or IFN-gamma 1b) • Methotrexate (≤50 mg q week) • Mogamulizumabⁿ • Romidepsin^h • Vorinostat^h 	<ul style="list-style-type: none"> • Acitretin^h • All-trans retinoic acid^h • Isotretinoin [13-cis-retinoic acid]^h 	
SYST-CAT B	<ul style="list-style-type: none"> • Brentuximab vedotin^{i,j,k} • Gemcitabine • Liposomal doxorubicin • Pralatrexate (low-dose or standard dose) 		<ul style="list-style-type: none"> • Relapsed/refractory disease requiring systemic therapy; alphabetical order by category) <ul style="list-style-type: none"> ▶ Alemtuzumab^{k,p} ▶ Chlorambucil ▶ Cyclophosphamide ▶ Etoposide ▶ Pentostatin ▶ Temozolomide for CNS involvement ▶ Bortezomib (category 2B) ▶ Pembrolizumab (category 2B)^{q,r} ▶ See TCEL-B 2 of 5 for regimens listed for PTCL-NOS^o
Large-cell transformation (LCT)	<ul style="list-style-type: none"> • Brentuximab vedotin^{i,j,k} • Gemcitabine • Liposomal doxorubicin • Pralatrexate (low-dose or standard dose) • Romidepsin • See TCEL-B 2 of 5 for regimens listed for PTCL-NOS^o 		

^a See references for regimens MFSS-A 4 of 6, MFSS-A 5 of 6, and MFSS-A 6 of 6.

^b The optimal treatment for any patient at any given time is often individualized based on symptoms of disease, route of administration, toxicities, and overall goals of therapy.

^h Safety of combining TSEBT with systemic retinoids, HDAC inhibitors (such as vorinostat or romidepsin), or mogamulizumab, or combining phototherapy with vorinostat or romidepsin is unknown.

ⁱ In the ALCANZA trial (Prince HM, et al. *Lancet* 2017;390:555-566) brentuximab vedotin (BV) was associated with superior clinical outcome in patients with CD30+ MF and pcALCL. CD30 positivity was defined as CD30 expression ≥10% of total lymphoid cells. However, in other clinical studies, clinical responses with BV have been reported across all CD30 expression levels including negligible CD30 expression.

^j Patients with Sézary syndrome were excluded from the ALCANZA trial.

^k See Supportive Care for Brentuximab Vedotin and Alemtuzumab (LYMP-C).

^l ECP may be more appropriate as systemic therapy in patients with some blood involvement (B1 or B2).

^m Peginterferon alfa-2a may be substituted for other interferon preparations. Schiller M, et al. *J Eur Acad Dermatol Venerol* 2017;31:1841-1847.

ⁿ Patients with LCT were excluded from the MAJORIC trial.

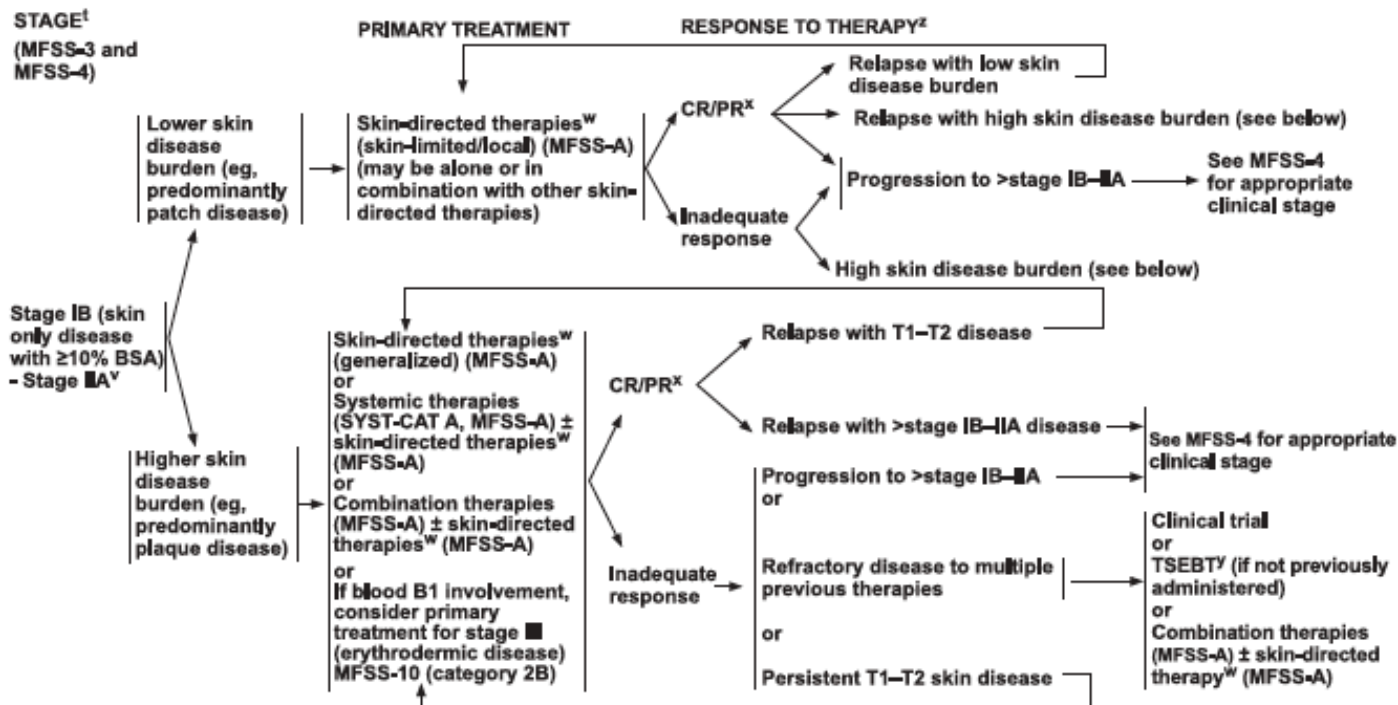
^o Multiagent chemotherapy regimens are generally reserved for patients with relapsed/refractory or extracutaneous disease. Most patients are treated with multiple SYST-CAT A/B before receiving multiagent chemotherapy.

^p Lower doses of alemtuzumab administered subcutaneously have shown lower incidence of infectious complications.

^q Preliminary phase II data in patients with MF and SS. Disease flare is seen in some patients (especially in erythrodermic skin/Sézary patients) and should be distinguished from disease progression. Khodadoust MS, Rook AH, Porcu P, et al. Pembrolizumab in relapsed and refractory mycosis fungoides and Sézary syndrome: A multicenter phase II study. *J Clin Oncol* 2019.[Epub ahead of print].

^r Rapid progression has been reported in HTLV positive patients receiving pembrolizumab.

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[†] See Principles for Mycosis Fungoides/Sézary Syndrome (MFSS/INTRO-1).

^v Rebiopsy if suspect LCT; if histologic evidence of LCT, see MFSS-12.

^w In patients with histologic evidence of folliculotropic MF, skin disease may be less responsive to topical therapies.

^x Patients with disease achieving a clinical benefit and/or those with disease responding to primary treatment should be considered for maintenance or tapering of regimens to optimize response duration.

^y See Principles of Radiation Therapy (LYMP-A).

[‡] Imaging indicated when suspicious of clinical extracutaneous disease with modalities used in workup.

See Supportive Care for MF/SS (MFSS-B)

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MFSS-7

LINFOMI PRIMITIVI CUTANEI DI DERIVAZIONE T-LINFOCITARIA: LA MULTIDISCIPLINARITÀ OTTIMIZZA IL RISULTATO

29 OTTOBRE 2021 - NAPOLI

REVIEW

Critical concepts and management recommendations for cutaneous T-cell lymphoma: A consensus-based position paper from the Italian Group of Cutaneous Lymphoma

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Maria Cantonetti⁵ | Gaia Goteri⁶ | Francesco Onida⁷ | Marco Paulli⁸ |
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BV should be considered in cases with multifocal skin lesions CD30+, preferentially plaques and/or nodules, refractory to conventional therapies and in patients developing extracutaneous disease.

According to the available data, the Panel stated that MOGA has become a part of the “2nd line” setting of the therapeutic armamentarium, for patients with SS or highly-symptomatic erythrodermic MF. B.

Both drugs BV and MOGA represent compelling strategies as potential bridge to alloHSCT in transplant-eligible patients.

1 L'Italia L'Italia	2 'a Cristura La bambina	3 'a Jatta La gatta	4 'o Puroco Il maiale	5 'o Mano La mano
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21 'a Femmena annara La donna nuda	22 'o Pazzo Il pazzo	23 'o Scemo Lo sciocco	24 'o Guardie Le guardie	25 Natale Natale
31 'o patrone 'e casa Il padrone di casa	32 'o Capitone Il capitone	33 'anne 'e Cristo Gli anni di Cristo	34 'a Capa La testa	35 'o Uccelluzz L'uccello
41 'o Curtello Il coltello	42 'o Caffè Il caffè	43 'a Donna 'o Barcone La donna ai barcone	44 'a Carcella La prigione	45 'o Vino Il vino
51 'o Ciardino Il giardino	52 'a Mamma La mamma	53 'o Vecchio Il vecchio	54 'o Cappello Il cappello	55 'o Museca La musica
61 'o Cacciatore Il cacciatore	62 'o Muorto acciso Il morto ammazzato	63 'a Sposa La sposa	64 'a Sciammaria La marinaia	65 'o Chianto Il pianto
71 l'ommo 'e merda uomo di merda	72 'a Meraviglia Lo stupore	73 'o Spitale L'ospedale	74 'a Rotta La grotta	75 Puliccenella Pulcinella
81 'e Sciore I fiori	82 'a Tavola mbandita La tavola imbandita	83 'o Malettempo Il cattivo tempo	84 'a Chiesa La chiesa	85 'o priatorio L'anima del purgatorio

6 chella ca guarda 'Nerra Quella che guarda a terra	7 'o Vesetto Il vaso da notte	8 'a Maronna La Madonna	9 'a figliola La figliolanza	10 'e fasce I fagioli
16 'o culo Il deretano	17 'a diagrazia La disgrazia	18 'o Sangho Il sangue	19 'a resata Una risata	20 'a Festa La festa
26 Nanninella Piccola Anna	27 'o Cantero Il pitale	28 'o ZZize Le tette	29 'o Pate d'e criature Il padre dei bambini	30 'e palle d'o tenente Le palle del tenente
36 'e CCastagnella Le naccere	37 'o Monaco Il monaco	38 'e Mmazze Le botte	39 'a funa 'e grania La corda al collo	40 'a papocchia La noia
46 'a denare Il denaro	47 'o Muorto Il morto	48 'o Muorto che parla Il morto che parla	49	50
56 A caruta La caduta	57 'o Scartellato Il gobbo	58 'o Peccotto Il regalo		
66 E' ddoie zelle Le due zelle	67 'o totaro int'a chitarra Il totaro	68 'a zuppa cotta La zuppa cotta		
76 'a Fontana La fontana	77 'o Riavulo I diavoli	78 'a bella figliola La bella figliola		
86 'a puteca La bottega	87 'e Perucchio I picocchi	88 'e Cascevalle I cacciocavalli		





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