

4<sup>th</sup> edition

# Unmet challenges in high risk hematological malignancies: from bedside to clinical practice

Turin, March 26-27, 2026

Starhotels Majestic

*Scientific board:*

Marco Ladetto (Alessandria)

Umberto Vitolo (Candiolo-TO)

## How I treat high risk T-cell lymphomas

Annalisa Chiappella

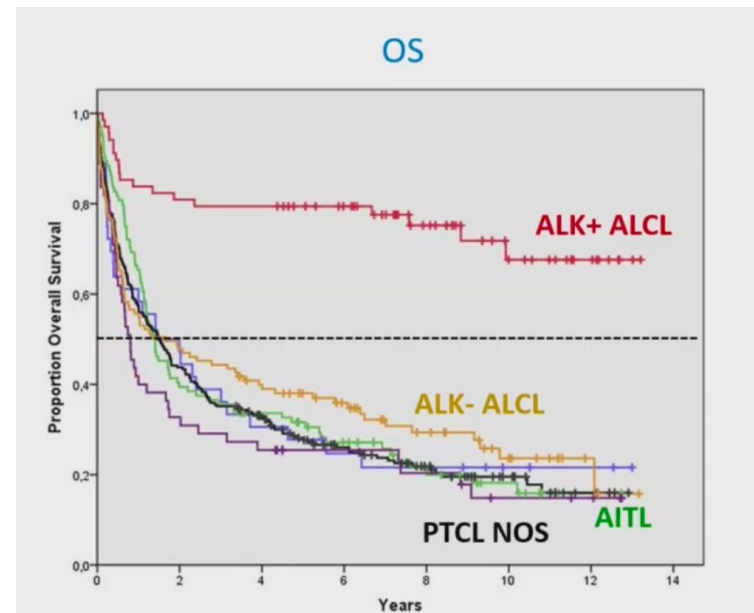
Hematology, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano

## Disclosures of Annalisa Chiappella

Company name	Advisory board	Lecture fees/Educational Events
Abbvie	x	
Incyte	x	
Gilead-Sciences/Kite Pharma Inc.	x	x
Sobi	x	
Eli Lilly		x

## PTCL

- PTCL are a group of mature, post-thymic, T-cell, and NK-cell lymphoproliferative disorders
- 15% to 20% of aggressive lymphomas and 10% of NHLs
- Clinical and biological diversity with >30 different subtypes
- Molecular characterization has led to identification of specific subtypes and has contributed to discovery of novel pathway-directed therapies
- Poor outcomes with standard treatments, except for ALK+ ALCL



## Outline of the discussion

### ✓ **First line treatment**

- Common subtypes of PTCL (PTCL, NOS; ALCL; TFHs)
  - The role of etoposide and consolidation with stem cell transplantation
  - The role of novel pathway-directed and subtype-specific therapies
- Uncommon subtypes of PTCL (EATL, HSTCL) and Extranodal NK-T cell lymphoma

### ✓ **Relapsed/refractory**

## Outline of the discussion

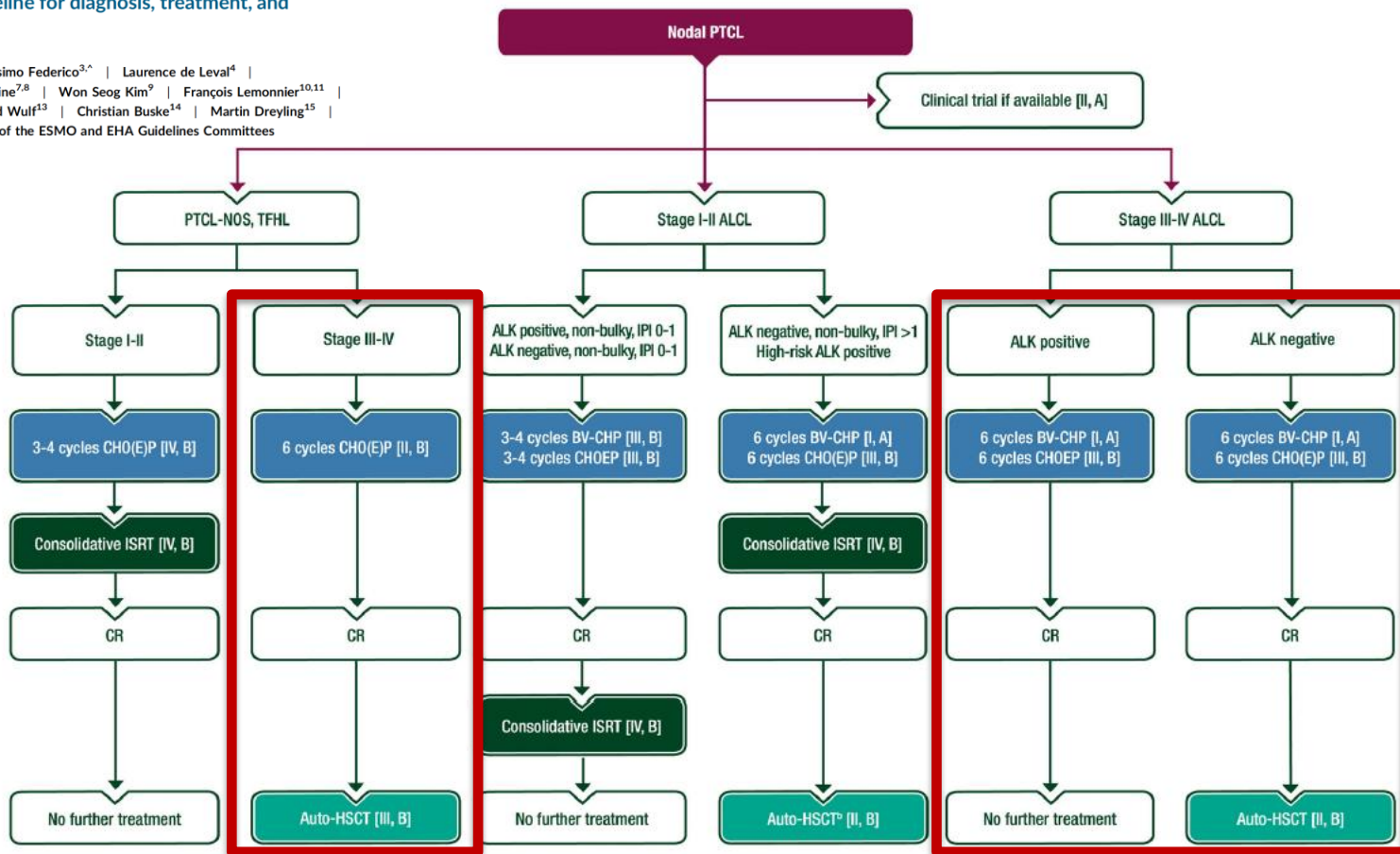
### ✓ **First line treatment**

- Common subtypes of PTCL (PTCL, NOS; ALCL; TFHs)
  - The role of etoposide and consolidation with stem cell transplantation
  - The role of novel pathway-directed and subtype-specific therapies
- Uncommon subtypes of PTCL (EATL, HSTCL) and Extranodal NK-T cell lymphoma

### ✓ **Relapsed/refractory**

## Peripheral T- and natural killer-cell lymphomas: ESMO-EHA Clinical Practice Guideline for diagnosis, treatment, and follow-up

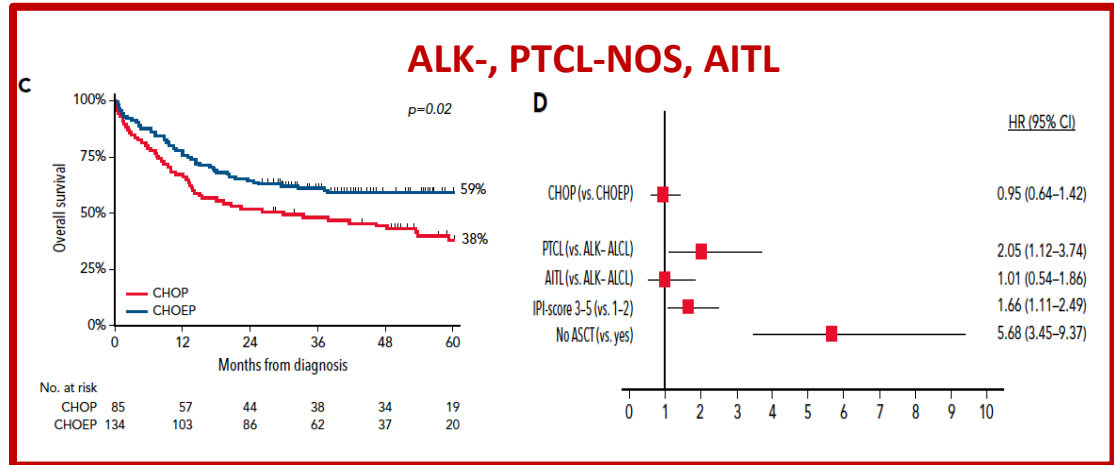
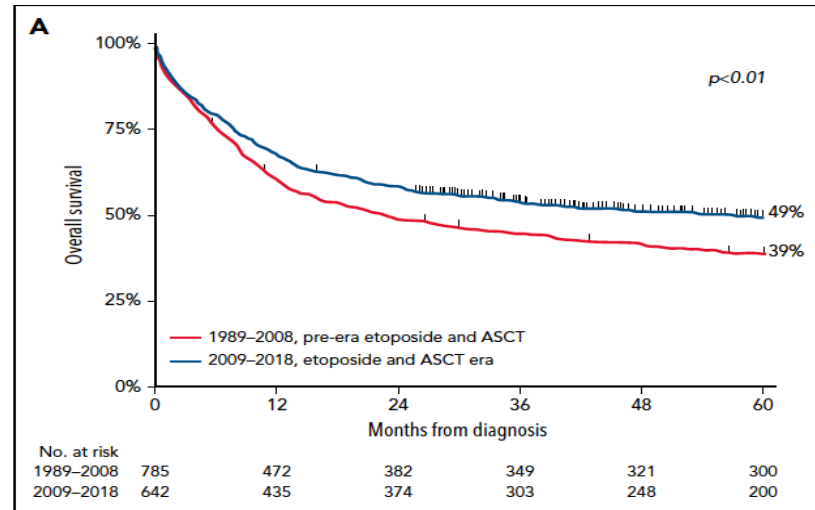
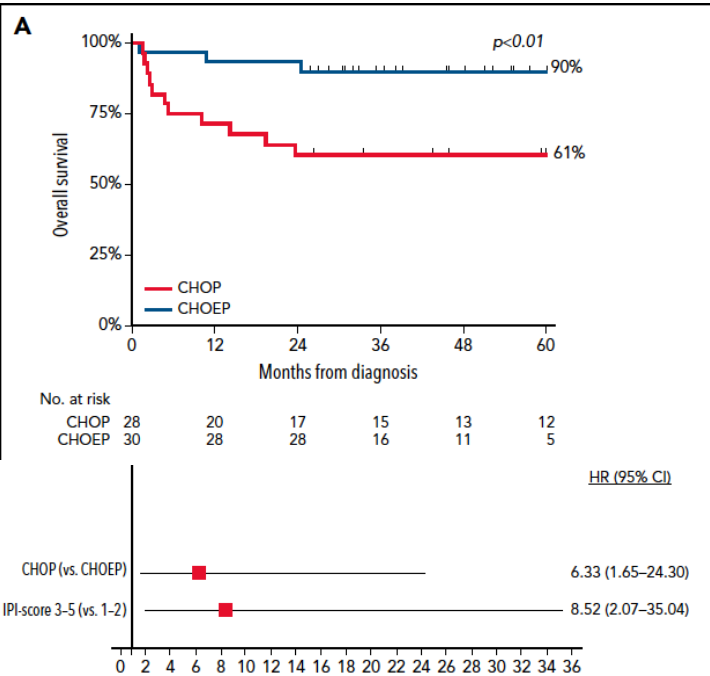
Francesco d'Amore<sup>1,2,\*</sup> | Massimo Federico<sup>3,\*</sup> | Laurence de Leval<sup>4</sup> |  
 Fredrik Ellin<sup>5,6</sup> | Olivier Hermine<sup>7,8</sup> | Won Seog Kim<sup>9</sup> | François Lemonnier<sup>10,11</sup> |  
 Joost S. P. Vermaat<sup>12</sup> | Gerald Wulf<sup>13</sup> | Christian Buske<sup>14</sup> | Martin Dreyling<sup>15</sup> |  
 Mats Jerkeman<sup>16</sup> | on behalf of the ESMO and EHA Guidelines Committees



# Impact of etoposide and ASCT on survival among patients aged <65 years with stage II to IV PTCL: a population-based cohort study

Mirian Brink,<sup>1\*</sup> Frederik O. Meeuwes,<sup>2,3\*</sup> Marjolien W. M. van der Poel,<sup>4</sup> Marie José Kersten,<sup>5</sup> Mariëlle Wondergem,<sup>5</sup> Pim G. N. J. Mutsaers,<sup>6</sup> Lara H. Böhmer,<sup>7</sup> F. J. Sherida H. Woei-A-Jin,<sup>8</sup> Otto Visser,<sup>9</sup> Rimke Oostvogels,<sup>10</sup> Patty M. Jansen,<sup>11</sup> Wouter Plattel,<sup>3</sup> Gerwin A. Huls,<sup>3</sup> Joost S. P. Vermaat,<sup>12</sup> and Marcel Nijland<sup>3</sup>

**1989-2018: 1427 patients; Netherlands Cancer Registry.**



# Auto-SCT consolidation in first complete remission

**Table 3. Outcomes for autologous stem cell transplant in first remission for PTCL**

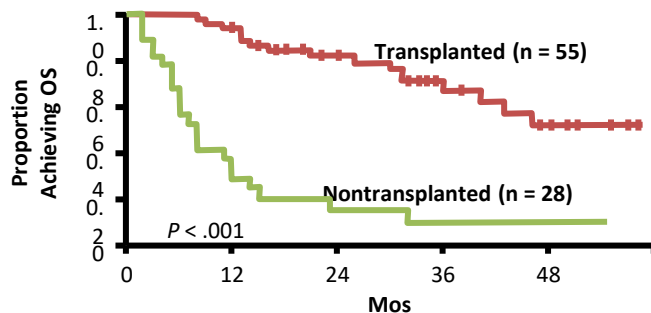
Study	N (enrolled)	N by PTCL subtype	N (TXP)	Median age (years; range)	EFS/PFS (years)	OS (years)
d'Amore et al <sup>25</sup>	160	PTCL-NOS—62 AITL—30 ALCL—31	115 (72%)	57 (22-67)	44% (5)	51% (5)
Reimer et al <sup>15</sup>	83	PTCL-NOS—32 AITL—27 ALCL—12	55 (66%)	47 (30-65)	36% (3)	48% (3)
Corradini et al <sup>56</sup>	62	PTCL-NOS—28* AITL—10 ALCL—19†	46 (74%)	43 (20-60)	30 (12)	34 (12)
Mehta et al <sup>13</sup>	65‡	PTCL-NOS—32 AITL—21 ALCL—12	39 (60%)	58 (22-75)	38% (4)	52% (4)

TXP, transplanted.

\*Listed as unspecified.

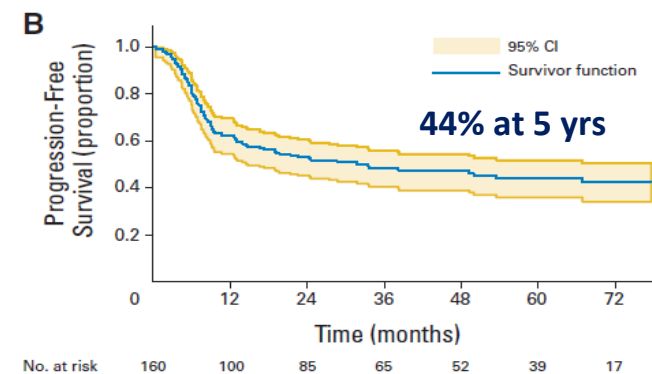
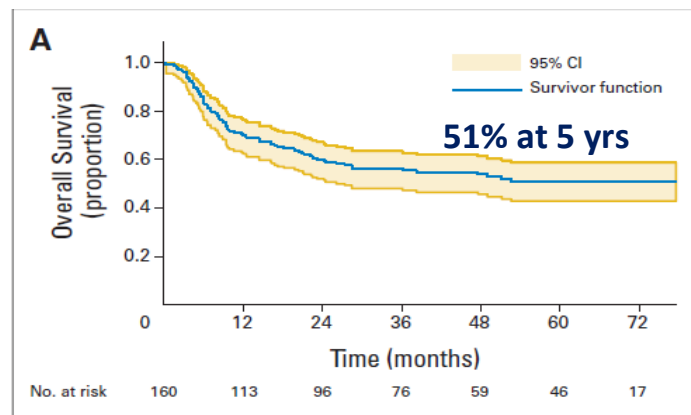
†All were ALK positive.

‡Retrospective, intent-to-transplant.



# Phase II study NLG-T-01, CHOEP plus auto-SCT

Characteristic	Patients	
	No.	%
Age, years		
Median	57	
Range	22-67	
Sex		
Male	107	67
Female	53	33
B symptoms	94	59
Elevated sLDH	99	62
PS $\geq 2^*$	46	29
Bulk	26	17
Clinical stage III to IV	129	81
BM involvement	41	26
IPI $\geq 2$	115	72
Histologic subtype		
PTCL-NOS	62	39
ALK-negative ALCL	31	19
AITL	30	19
EATL	21	13
Panniculitis like	6	4
T/NK nasal type	5	3
Hepatosplenic	5	3



## LYMPHOID NEOPLASIA

# A randomized phase 3 trial of autologous vs allogeneic transplantation as part of first-line therapy in poor-risk peripheral T-NHL

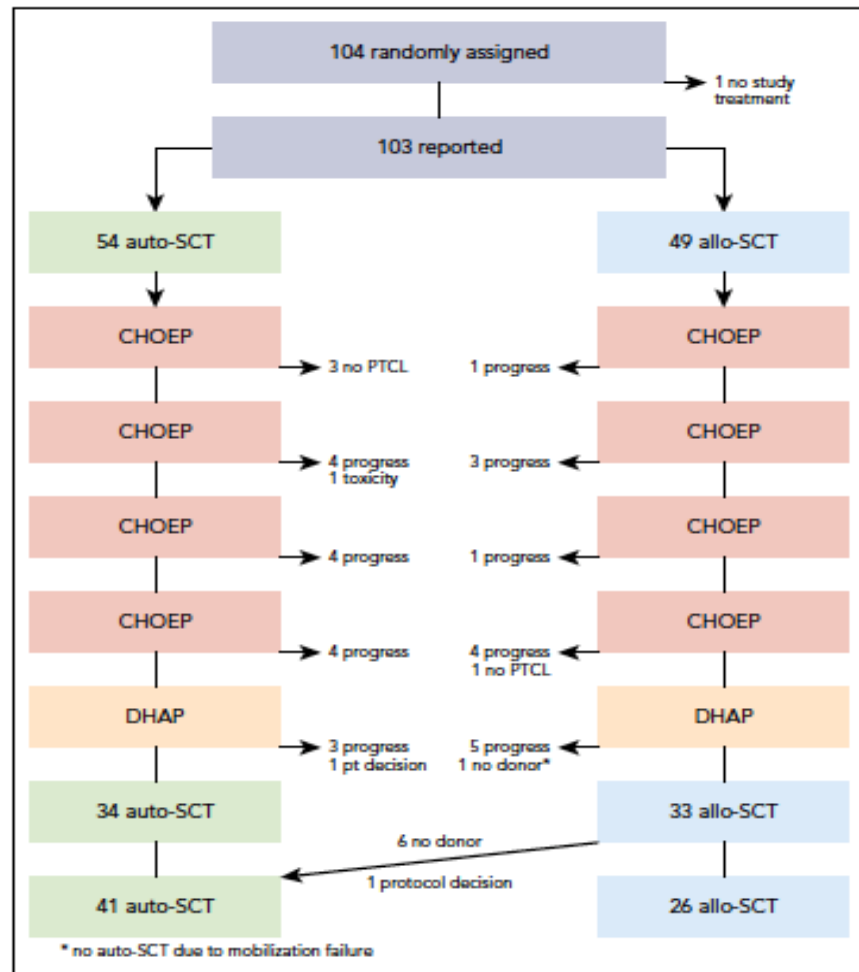
Norbert Schmitz,<sup>1</sup> Lorenz Truemper,<sup>2</sup> Krmo Bouabdallah,<sup>3</sup> Marita Ziepert,<sup>4</sup> Mathieu Leclerc,<sup>5</sup> Guillaume Cartron,<sup>6</sup> Amaud Jaccard,<sup>7</sup> Peter Reimer,<sup>8</sup> Eva Wagner,<sup>9</sup> Martin Wilhelm,<sup>10</sup> Laurence Sanhes,<sup>11</sup> Thierry Lamy,<sup>12</sup> Laurence de Leval,<sup>13</sup> Andreas Rosenwald,<sup>14,15</sup> Muriel Roussel,<sup>16</sup> Frank Kroschinsky,<sup>17</sup> Walter Lindemann,<sup>18</sup> Peter Dreger,<sup>19</sup> Andreas Viardot,<sup>20</sup> Noël Milpied,<sup>3</sup> Christian Gisselbrecht,<sup>21</sup> Gerald Wulf,<sup>2</sup> Emmanuel Gyan,<sup>22</sup> Philippe Gaulard,<sup>23</sup> Jacques Olivier Bay,<sup>24</sup> Bertram Glass,<sup>25</sup> Viola Poeschel,<sup>26</sup> Gandhi Damaj,<sup>27</sup> David Sibon,<sup>28</sup> Alain Delmer,<sup>29</sup> Karin Bilger,<sup>30</sup> Anne Banos,<sup>31</sup> Mathias Haenel,<sup>32</sup> Martin Dreyling,<sup>33</sup> Bernd Metzner,<sup>34</sup> Ulrich Keller,<sup>35</sup> Friederike Brulke,<sup>2</sup> Birte Friedrichs,<sup>1</sup> Maïke Nickelsen,<sup>36</sup> Bettina Altmann,<sup>4,\*</sup> and Olivier Tournilhac,<sup>37,\*</sup> for the French Lymphoma Study Association (LYSA) and the German Lymphoma Alliance (GLA)

104 patients with PTCLs, except ALK+,

18 to 60 years

Random:

4 cycles of CHOEP and 1 DHAP followed by high-dose therapy + auto-SCT vs. myeloablative conditioning + allo-SCT.



# Auto-SCT vs allo-SCT consolidation in first complete remission

## LYMPHOID NEOPLASIA

A randomized phase 3 trial of autologous vs allogeneic transplantation as part of first-line therapy in poor-risk peripheral T-NHL

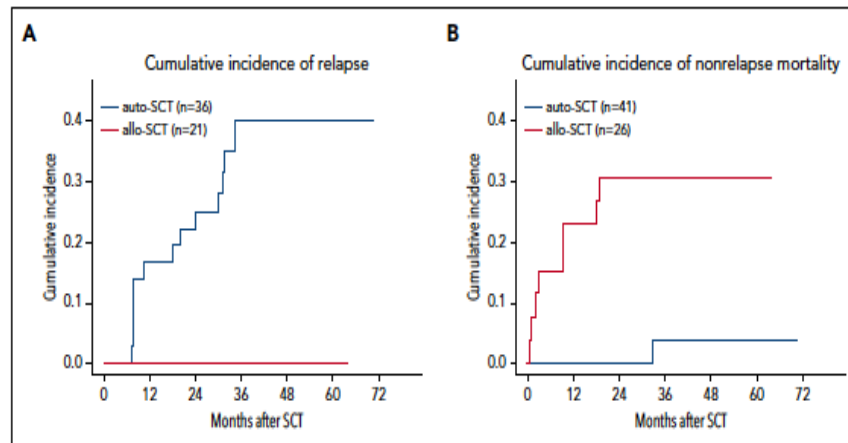
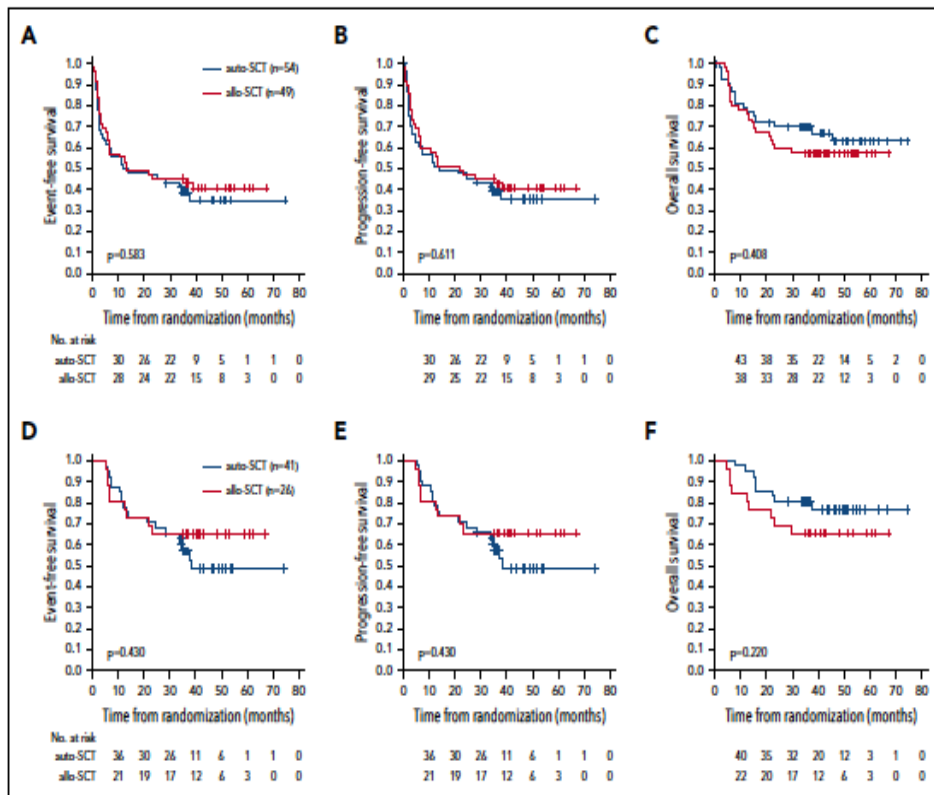


Figure 2. Outcome according to treatment arm. Event-free (A,D), progression-free (B,E), and overall survival (C,F) for all randomized patients (intent-to-treat population) (A-C) and for transplant recipients only (D-F).

## Outline of the discussion

### ✓ **First line treatment**

- Common subtypes of PTCL (PTCL, NOS; ALCL; TFHs)
  - The role of etoposide and consolidation with stem cell transplantation
  - The role of novel pathway-directed and subtype-specific therapies
- Uncommon subtypes of PTCL (EATL, HSTCL) and Extranodal NK-T cell lymphoma

### ✓ Relapsed/refractory

Brentuximab vedotin with chemotherapy for CD30-positive peripheral T-cell lymphoma (ECHELON-2): a global, double-blind, randomised, phase 3 trial



## Targeted Therapy in PTCL-CD30

- Multicenter, randomized, double-blind, double dummy, active-controlled phase III trial

Stratification for IPI score (0-1 vs 2-3 vs 4-5),  
histologic subtype (ALK+ sALCL vs other subtypes)

Adult patients with  
previously untreated CD30+  
(≥ 10% expression) PTCL\*  
(N = 452)

\*70% sALCL

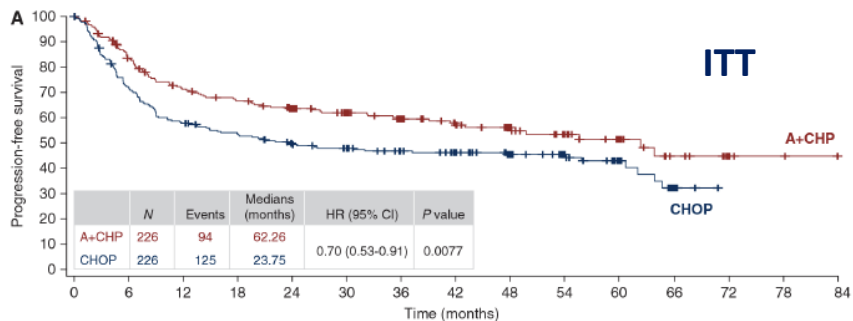
**BV+CHP**  
Brentuximab Vedotin<sup>†</sup> +  
CHP<sup>‡</sup> Q3W for 6-8 cycles +  
Placebo for Vincristine  
(n = 226)

**CHOP<sup>‡</sup>**  
Q3W for 6-8 cycles +  
Placebo for Brentuximab Vedotin  
(n = 226)

End-of-treatment PET

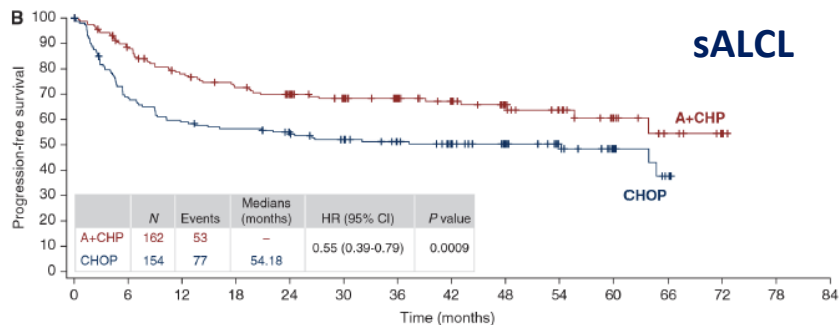
	A+CHP (n=226)	CHOP (n=226)
<b>Stage III/IV disease, n (%)</b>	<b>184 (81)</b>	<b>180 (80)</b>
<b>Disease diagnosis, n (%)</b>		
<b>sALCL</b>	<b>162 (72)</b>	<b>154 (68)</b>
ALK+	49 (22)	49 (22)
ALK-	113 (50)	105 (46)
<b>PTCL-NOS</b>	<b>29 (13)</b>	<b>43 (19)</b>
<b>AITL</b>	<b>30 (13)</b>	<b>24 (11)</b>
<b>ATLL</b>	<b>4 (2)</b>	<b>3 (1)</b>
<b>EATL</b>	<b>1 (0)</b>	<b>2 (1)</b>

## The ECHELON-2 Trial: 5-year results of a randomized, phase III study of brentuximab vedotin with chemotherapy for CD30-positive peripheral T-cell lymphoma★



N at risk (events)

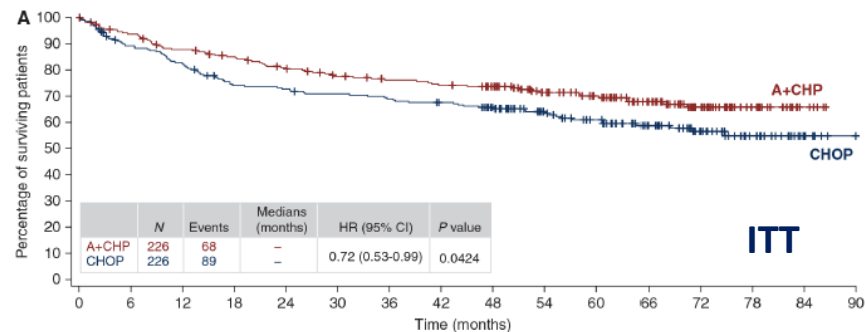
A+CHP 226 (0) 179 (36) 150 (62) 138 (72) 123 (78) 104 (81) 85 (85) 67 (88) 44 (89) 31 (91) 21 (92) 10 (94) 4 (94) 2 (94) 0 (94)  
 CHOP 226 (0) 159 (63) 128 (94) 116 (103) 101 (112) 94 (115) 79 (117) 70 (118) 55 (119) 39 (119) 24 (121) 6 (125) 0 (125) 0 (125) 0 (125)



N at risk (events)

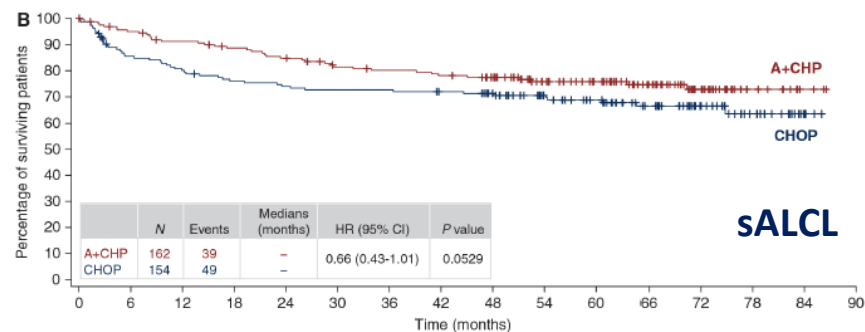
A+CHP 162 (0) 136 (18) 117 (34) 107 (42) 95 (46) 81 (48) 67 (48) 55 (49) 33 (50) 23 (51) 15 (52) 7 (53) 2 (53) 0 (53) 0 (53)  
 CHOP 154 (0) 103 (48) 89 (62) 84 (66) 75 (69) 68 (72) 57 (73) 48 (74) 38 (74) 26 (74) 16 (75) 4 (77) 0 (77) 0 (77) 0 (77)

## Targeted Therapy in PTCL-CD30



N at risk (events)

A+CHP 226 (0) 208 (14) 193 (27) 184 (33) 173 (42) 162 (49) 156 (52) 152 (56) 143 (57) 117 (61) 103 (63) 80 (66) 48 (68) 23 (68) 5 (68) 0 (68)  
 CHOP 226 (0) 196 (24) 181 (39) 160 (57) 157 (60) 152 (64) 148 (68) 143 (71) 132 (75) 105 (78) 90 (83) 68 (86) 43 (88) 25 (89) 8 (89) 0 (89)



N at risk (events)

A+CHP 162 (0) 151 (8) 143 (14) 137 (18) 131 (24) 122 (29) 119 (31) 116 (34) 109 (35) 88 (37) 76 (37) 56 (38) 32 (39) 12 (39) 3 (39) 0 (39)  
 CHOP 154 (0) 127 (22) 119 (30) 112 (36) 109 (39) 107 (41) 107 (41) 104 (42) 97 (43) 79 (44) 68 (46) 50 (48) 31 (48) 17 (49) 4 (49) 0 (49)

# Romidepsin Plus CHOP Versus CHOP in Patients With Previously Untreated Peripheral T-Cell Lymphoma: Results of the Ro-CHOP Phase III Study (Conducted by LYSA)

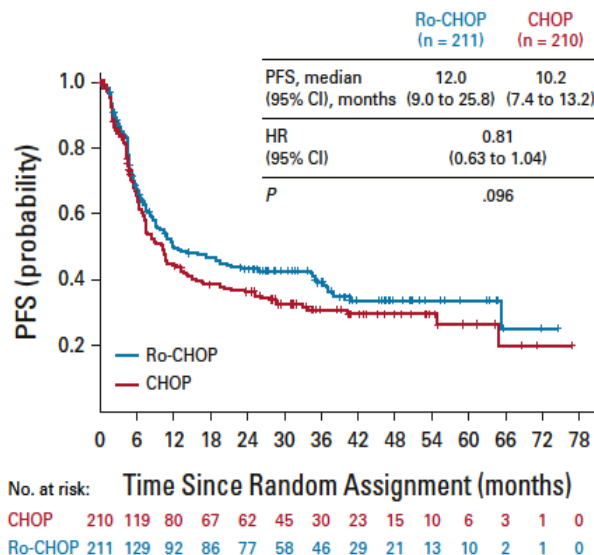
Emmanuel Bachy, MD, PhD<sup>1,2</sup>; Vincent Camus, MD<sup>3</sup>; Catherine Thiebaut, MD, PhD<sup>4</sup>; Davki Sibon, MD, PhD<sup>5</sup>; René-Olivier Casasnovas, MD<sup>6</sup>; Loïc Ysebaert, MD, PhD<sup>7</sup>; Gandhi Damaj, MD, PhD<sup>8</sup>; Stéphanie Guidet, MD<sup>9</sup>; Gian Matteo Pica, MD<sup>10</sup>; Won Seog Kim, MD, PhD<sup>11</sup>; Soon Thye Lim, MBBS<sup>12</sup>; Marc André, MD<sup>13</sup>; Alejandro Martín García-Sancho, MD, PhD<sup>14</sup>; María Jesus Penarubia, MD, PhD<sup>15</sup>; Philipp B. Staber, MD, PhD<sup>16</sup>; Judith Trotman, MBChB<sup>17</sup>; Andreas Hüttmann, MD<sup>18</sup>; Vittorio Stefani, MD, PhD<sup>19</sup>; Alessandro Re, MD<sup>20</sup>; Philippe Gaulard, MD<sup>21</sup>; Marie-Helene Delfau-Larue, MD, PhD<sup>22</sup>; Laurence de Leval, MD, PhD<sup>23</sup>; Michel Meignan, MD, PhD<sup>24</sup>; Ju Li, PhD<sup>25</sup>; Franck Morschhauser, MD, PhD<sup>26</sup>; and Richard Delarue, MD<sup>2,27</sup>



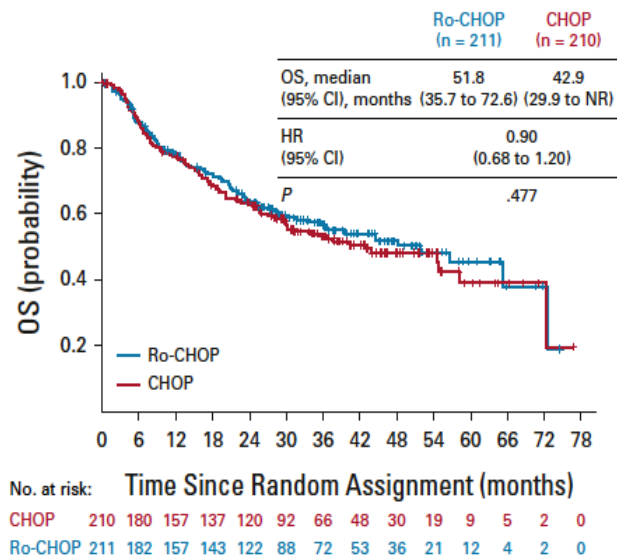
## Targeted Therapy in PTCL

Parameter	Ro-CHOP (n = 211)	CHOP (n = 210)	Total (N = 421)
Median age, years (range)	65 (26-80)	65 (25-81)	65 (25-81)
Age group, years			
≤ 60	73 (34.6)	72 (34.3)	145 (34.4)
> 60	138 (65.4)	138 (65.7)	276 (65.6)
Sex			
Male	125 (59.2)	136 (64.8)	261 (62.0)
Female	86 (40.8)	74 (35.2)	160 (38.0)
Histologic diagnosis (local pathology)			
AITL	101 (47.9)	94 (44.8)	195 (46.3)
PTCL-NOS	59 (28.0)	68 (32.4)	127 (30.2)
ALCL ALK-negative type	21 (10.0)	21 (10.0)	42 (10.0)
Others	30 (14.2)	27 (12.9)	57 (13.5)

A

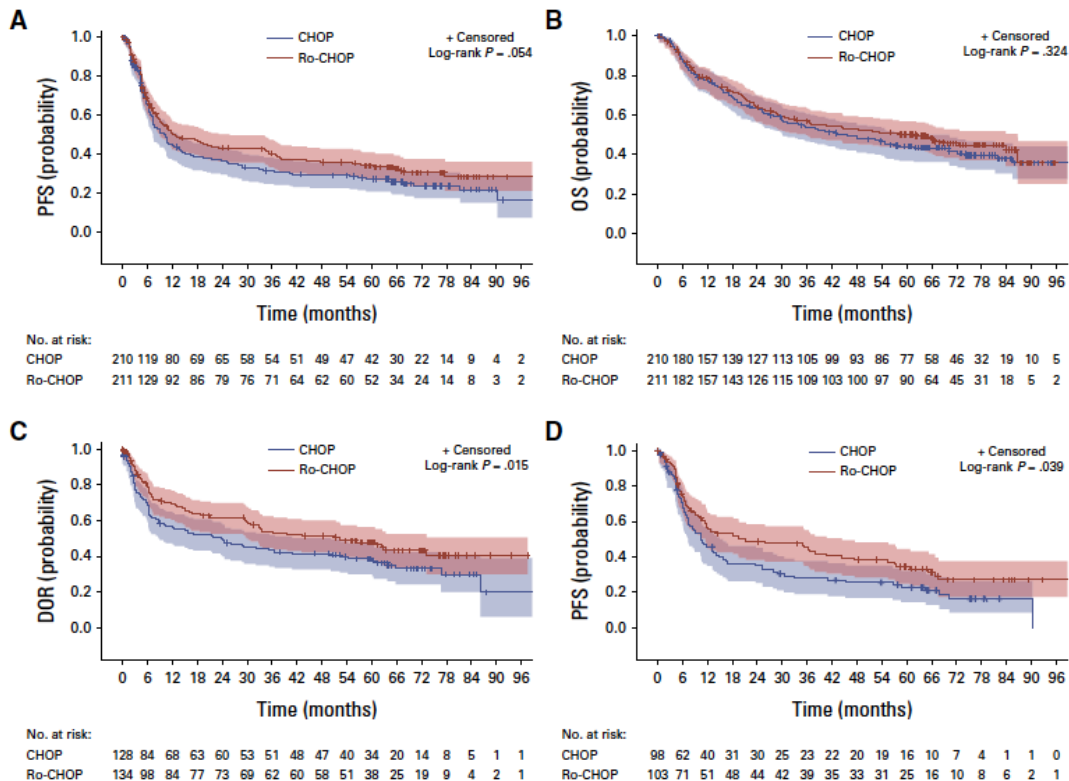


B



# Romidepsin Plus Cyclophosphamide, Doxorubicin, Vincristine, and Prednisone Versus Cyclophosphamide, Doxorubicin, Vincristine, and Prednisone in Patients With Previously Untreated Peripheral T-Cell Lymphoma: Final Analysis of the Ro-CHOP Trial

An exploratory analysis suggested a benefit in patients with TFH lymphomas.



Regimen	No.	PFS	PFS by Subtype
Ro-CHOP <sup>7,12</sup>	421	Median PFS—12.0 months	Median PFS TFH—19.5 months Non-TFH—8.7 months Median OS TFH—65 months PTCL-NOS—25.8 months
CHOP	210	Median PFS—10.2 months	Median PFS TFH—10.6 months Non-TFH—9 months

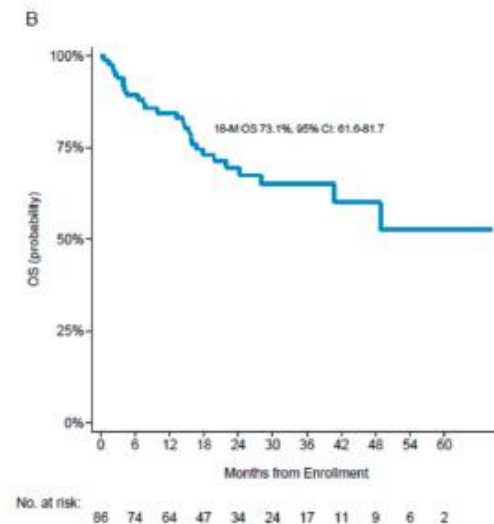
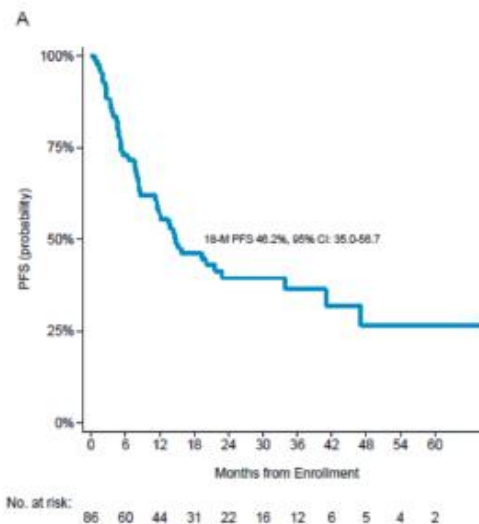
# Romidepsin-CHOEP followed by high-dose chemotherapy and stem-cell transplantation in untreated Peripheral T-Cell Lymphoma: results of the PTCL13 phase Ib/II study



Annalisa Chiappella <sup>1</sup>, Anna Dodero <sup>1</sup>, Andrea Evangelista <sup>2</sup>, Alessandro Re <sup>3</sup>, Lorella Orsucci <sup>4</sup>, Sara Veronica Usai <sup>5</sup>, Claudia Castellino <sup>6</sup>, Vittorio Stefoni <sup>7</sup>, Antonio Pinto <sup>8</sup>, Manuela Zanni <sup>9</sup>, Rosanna Ciancia <sup>10</sup>, Chiara Ghiggi <sup>11</sup>, Francesca Gaia Rossi <sup>12</sup>, Annalisa Arcari <sup>13</sup>, Fiorella Ilariucci <sup>14</sup>, Vittorio Ruggero Zilioli <sup>15</sup>, Leonardo Flenghi <sup>16</sup>, Melania Celli <sup>17</sup>, Stefano Volpetti <sup>18</sup>, Fabio Benedetti <sup>19</sup>, Filippo Ballerini <sup>20</sup>, Gerardo Musuraca <sup>21</sup>, Riccardo Bruna <sup>22</sup>, Caterina Patti <sup>23</sup>, Francesco Leonard <sup>24</sup>, Luca Arcaini <sup>25</sup>, Massimo Magagnoli <sup>26</sup>, Federica Cavallo <sup>27</sup>, Anisa Bermema <sup>1</sup>, Alessandra Tucci <sup>3</sup>, Carola Boccomini <sup>4</sup>, Giovannino Ciccone <sup>2</sup>, Cristiana Camitri <sup>28</sup>, Stefano Aldo Pileri <sup>29</sup> and Paolo Corradini <sup>30</sup>

**Overall Response Rate at the end of treatment,  
n = 86 patients  
ORR 57%, CR 56%**

86 patients			
Median age	55 (IQR 49;60)	Stage III/IV	78 (91%)
Male	58 (67%)	PS $\geq$ 2	12 (14%)
IPI III/IV	29 (34%)	BM +	31 (36%)
PIT score $\geq$ 2	34 (43%)	LDH > normal	43 (50%)
Histotypes, central pathology review (n=85, 1 case not classified due to inadequate material)	PTCL-nos 33 (39%) Anaplastic ALK neg 21 (25%) AITL/TFH 31 (36%)		

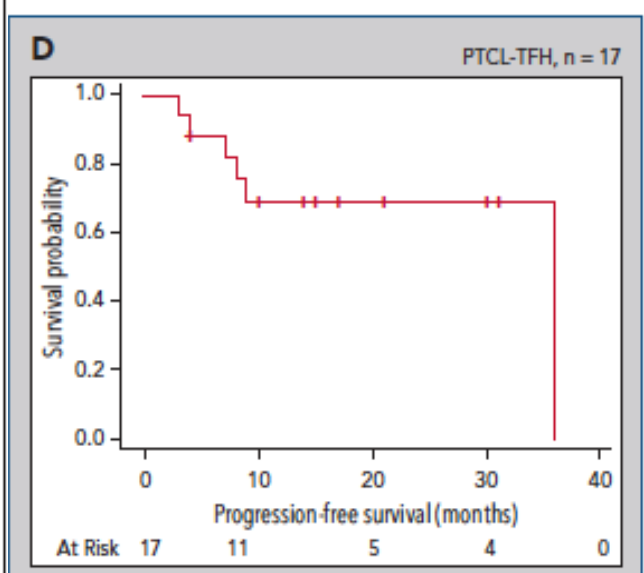
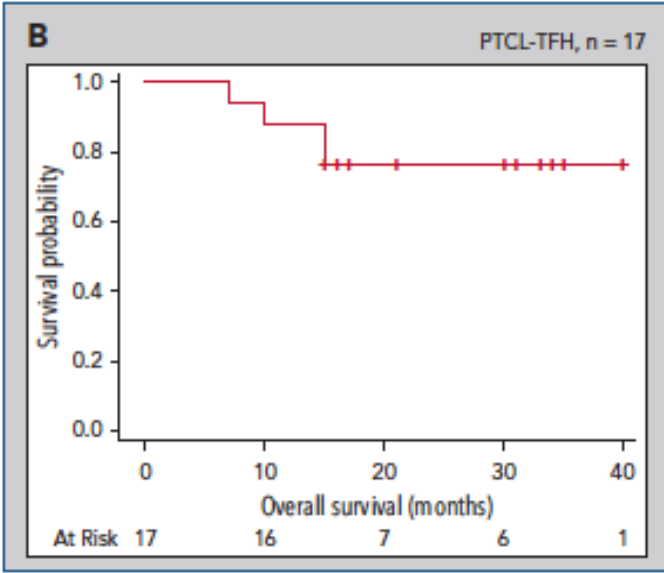


# Multicenter phase 2 study of oral azacitidine (CC-486) plus CHOP as initial treatment for PTCL

Jia Ruan,<sup>1</sup> Alison Moskowitz,<sup>2</sup> Neha Mehta-Shah,<sup>3</sup> Lubomir Sokol,<sup>4</sup> Zhengming Chen,<sup>1</sup> Nikita Kotlov,<sup>5</sup> Grigori Nos,<sup>5</sup> Maria Sorokina,<sup>5</sup> Vladislav Maksimov,<sup>5</sup> Andrea Sboner,<sup>1</sup> Michael Sigouros,<sup>1</sup> Koen van Besien,<sup>1</sup> Steven Horwitz,<sup>2</sup> Sarah C. Rutherford,<sup>1</sup> Erin Mulvey,<sup>1</sup> Maria V. Revuelta,<sup>1</sup> Jenny Xiang,<sup>1</sup> Alicia Alonso,<sup>1</sup> Ari Melnick,<sup>1</sup> Olivier Elemento,<sup>1</sup> Giorgio Inghirami,<sup>1</sup> John P. Leonard,<sup>1</sup> Leandro Cerchetti,<sup>1</sup> and Peter Martin<sup>1</sup>

Characteristic	Number of patients	Percent
No. of patients	21	100
<b>Sex</b>		
Male	13	62
Female	8	38
<b>Age, y</b>		
Median (range)	66	
Range	22-77	
<b>ECOG performance status</b>		
0-1	13	62
>1	8	38
<b>Ann Arbor stage</b>		
III-IV	19	90
<b>LDH</b>		
Normal	11	52
Elevated	10	48
<b>Bone marrow involvement</b>		
Yes	7	33
No	13	62
Unknown	1	5
<b>PTCL subtypes</b>		
PTCL-TFH	17	81
PTCL-NOS	3	14
ATLL	1	5
<b>IPI risk category</b>		
0-1	5	24
2	7	33
3	3	14
4-5	6	29
<b>CD30 expression</b>		
Positive (≥10%)	4	19
Negative (<10%)	17	81

Response	All evaluable* (N = 20)		PTCL-TFH (N = 17)	
	Number	Percentage	Number	Percentage
<b>Overall response</b>	15	75.0	15	88.2
CR	15	75.0	15	88.2
PR	0	0	0	0
SD	1	5.0	0	0
PD	2	10.0	1	5.8
Discontinuation†	2	10.0	1	5.8
<b>Survival</b>				
2-y PFS	65.8% (95% CI, 43.4-88.1)		69.2% (95% CI, 46.7-91.7)	
2-y OS	68.4% (95% CI, 47.3-89.4)		76.1% (95% CI, 55.6-96.5)	
Median follow-up	21.0 mo (range 17.0-33.0)			



## Outline of the discussion

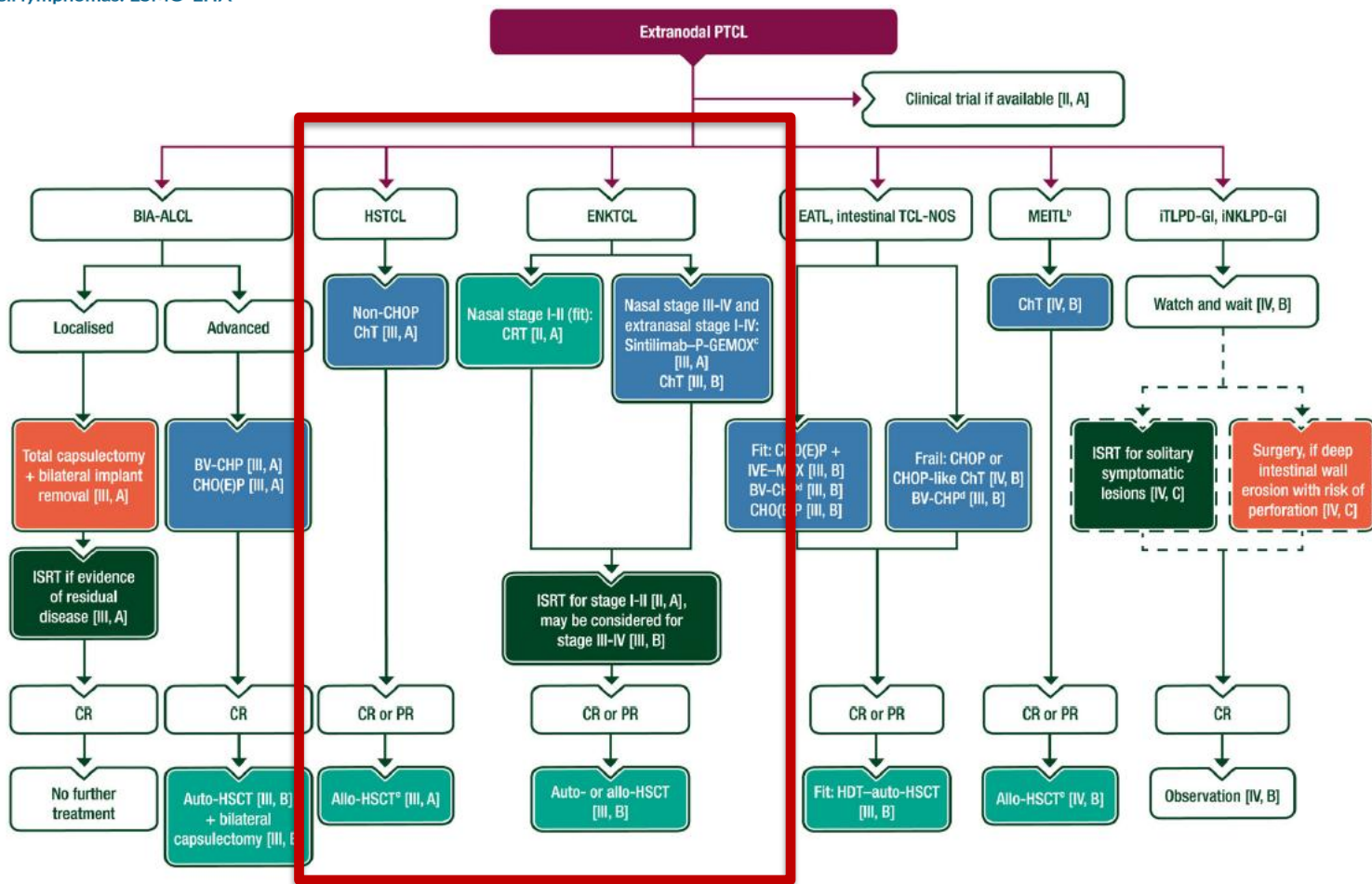
### ✓ **First line treatment**

- Common subtypes of PTCL (PTCL, NOS; ALCL; TFHs)
  - The role of etoposide and consolidation with stem cell transplantation
  - The role of novel pathway-directed and subtype-specific therapies
- **Uncommon subtypes of PTCL (EATL, HSTCL) and Extranodal NK-T cell lymphoma**

### ✓ **Relapsed/refractory**

## Peripheral T- and natural killer-cell lymphomas: ESMO-EHA Clinical Practice Guideline for follow-up

Francesco d'Amore<sup>1,2,\*</sup> | Massimo Fedeli  
 Fredrik Ellin<sup>5,6</sup> | Olivier Hermine<sup>7,8</sup> |  
 Joost S. P. Vermaat<sup>1,2</sup> | Gerald Wulf<sup>1,3</sup>  
 Mats Jerkeman<sup>1,6</sup> | on behalf of the ESMO



## Outline of the discussion

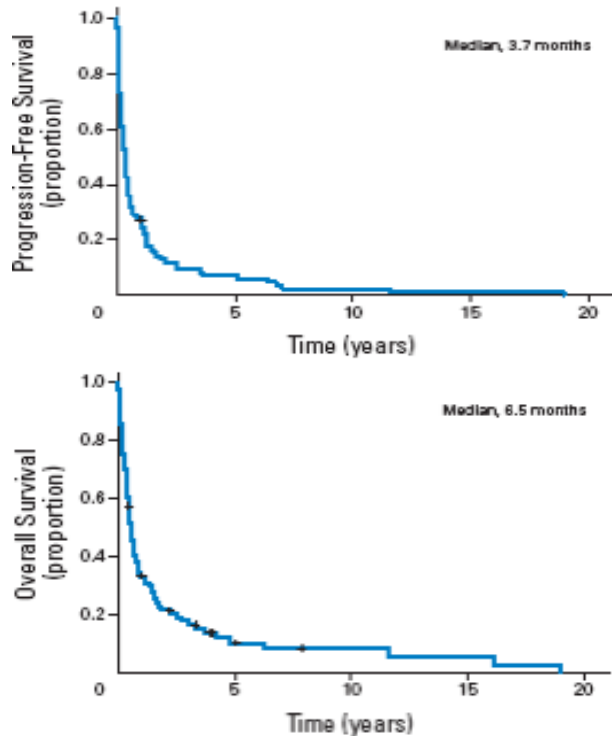
### ✓ First line treatment

- Common subtypes of PTCL (PTCL, NOS; ALCL; TFHs)
  - The role of etoposide and consolidation with stem cell transplantation
  - The role of novel pathway-directed and subtype-specific therapies
- Uncommon subtypes of PTCL (EATL, HSTCL) and Extranodal NK-T cell lymphoma

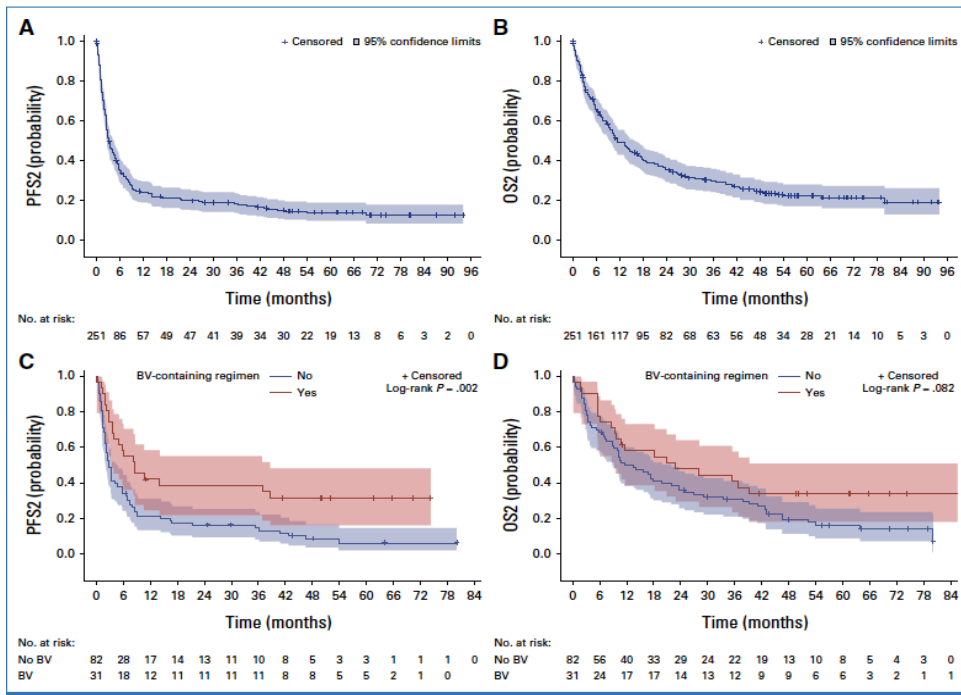
### ✓ Relapsed/refractory

# Outcome of patients with relapsed/refractory PTCL

Not eligible to transplant



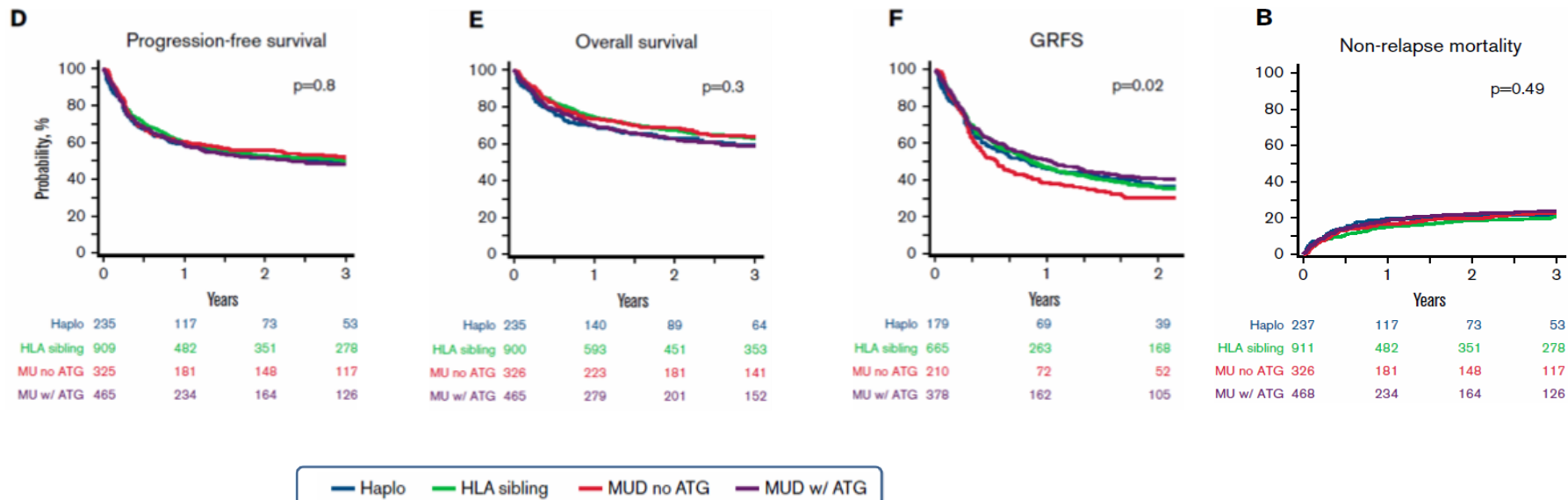
Second-line treatments after CHOP/Ro-CHOP led to poor results, except for a potential benefit for BV-combination strategies in this BV-naive population.



## Outcome of allogeneic transplantation for mature T-cell lymphomas: impact of donor source and disease characteristics

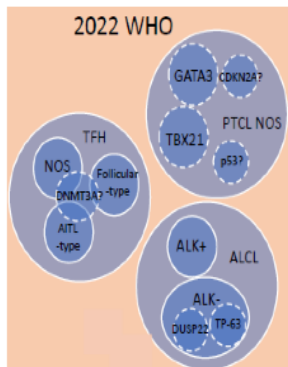
Mehdi Hamadani,<sup>1</sup> Maud Ngoya,<sup>2</sup> Anna Sureda,<sup>3</sup> Qaiser Bashir,<sup>4</sup> Carlos Alejandro Litovich,<sup>5</sup> Hervé Finel,<sup>2</sup> Yue Chen,<sup>5</sup> Ariane Boumendil,<sup>2</sup> Jasmine Zain,<sup>6</sup> Luca Castagna,<sup>7</sup> Amanda F. Cashen,<sup>8</sup> Didier Blaise,<sup>9</sup> Mazyar Shadman,<sup>10</sup> Rocco Pastano,<sup>11</sup> Farhad Khimani,<sup>12</sup> Mutlu Arat,<sup>13</sup> Sascha Dietrich,<sup>14</sup> Norbert Schmitz,<sup>15</sup> Bertram Glass,<sup>2,16</sup> Mohamed A. Kharfan-Dabaja,<sup>17</sup> Paolo Corradini,<sup>18</sup> Craig S. Sauter,<sup>19</sup> Silvia Montoto,<sup>20</sup> Mi Kwon,<sup>21</sup> Alex F. Herrera,<sup>6</sup> and Peter Dreger<sup>14</sup>

## Outcome of patients with relapsed/refractory PTCL eligible to transplant

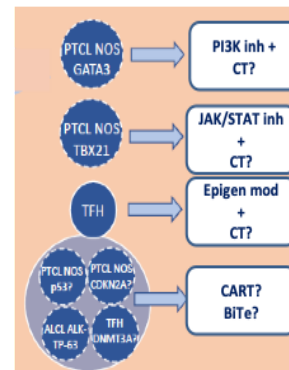


# Relapsed/refractory setting: novel agents

Agent	No.	ORR	ORR by Subtype
Romidepsin <sup>16,17</sup>	130	25%	PTCL-NOS—29% AITL—33% ALK-ALCL—24%
Belinostat <sup>10</sup>	120	26%	PTCL-NOS—23% AITL—45% ALK-ALCL—15%
Brentuximab vedotin <sup>26,33</sup>	92	69%	PTCL-NOS—33% AITL—54% sALCL—86%
Cerdulatinib <sup>36</sup>	58	36%	PTCL-NOS—0% AITL/TFH—52% Other—32%
Duvelisib <sup>27</sup>	101	48.5%	PTCL-NOS—48.1% AITL—66.7% ALCL—13.3%
Golidocitinib <sup>28</sup>	88	44%	PTCL-NOS—46% AITL/TFH—56.3% ALCL—10%
Ruxolitinib <sup>20</sup>	25	25%	By histology PTCL-NOS—18% AITL/TFH—33% ALCL—25% JAK/STAT status Activating mutations—20% Functional evidence with pSTAT3—44% None—0%
Valemetostat <sup>30</sup>	119	43.7%	PTCL-NOS—31.7% PTCL TFH—50% AITL—54.8% ALCL—33.3%



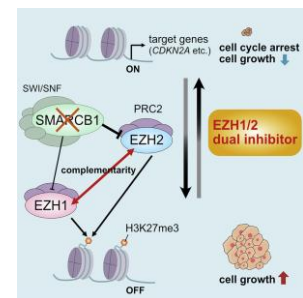
Targeted Agents	Epigenetic Modifying Agents	Pathway Inhibitor
CD30 ALK PD-1 CD94 Bispecific CD30/CD16 PD-1/CD3	HDACi Belinostat Romidepsin Chidamide Azacytidine Valemetostat Enasidinib	PI3K-kinase JAK/STAT



Agent	No.	ORR	ORR by Subtype
Romidepsin + azacitidine <sup>20</sup>	25	61%	TFH—80% Non-TFH—25%
Romidepsin + duvelisib <sup>34</sup>	55	58%	PTCL-NOS—50% AITL/TFH—70% ALCL—100%
Romidepsin + gemcitabine/oxaliplatin <sup>21</sup>	17	58%	PTCL-NOS—40% AITL—100%
Romidepsin + lenalidomide <sup>22,23</sup>	2	65%	PTCL-NOS—50% AITL—79%

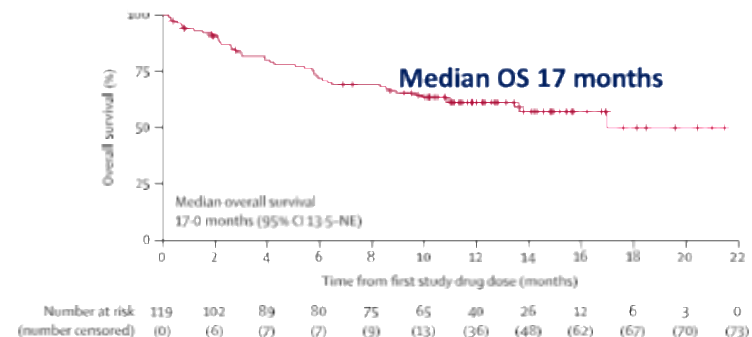
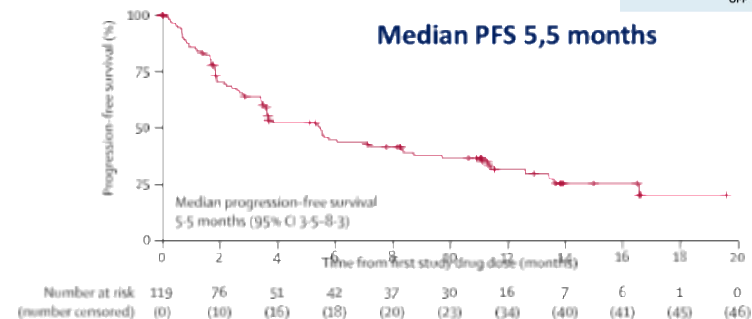
# VALENTINE-PTCL01

## VALEMETOSTAT: EZH1 and EZH2 Inhibitor phase II study

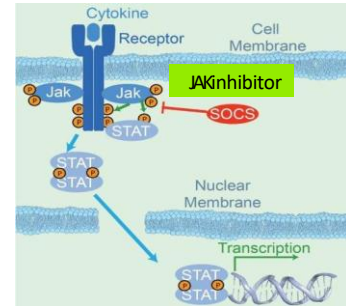


Variable	ORR/CR	DOR
Entire population	52%/27 % (PET/CT)	11,9 months
<b>TFH</b>	<b>54%</b>	
<b>PTCL-NOS</b>	<b>32%</b>	
<b>ALCL</b>	<b>33%</b>	

Median time to first response 8 weeks  
 Median DOR 11,9 months  
 Low incidence of treatment discontinuation 10%  
 (!!! Thrombocytopenia).  
 8% proceed to Allo-TMO  
 Median FUP 12,3 months



# Golidocitinib, a selective JAK1 Inhibitor in R/R TCL

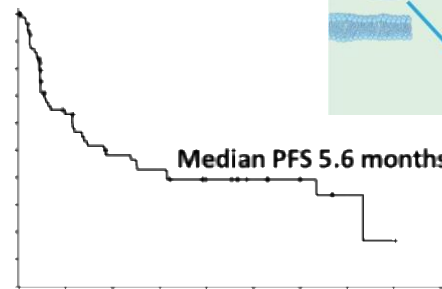


ORR and ORR by Subtype	%
All pts ORR/CR rate	44%/24%
PTCL-NOS (23/50)	46% (23/50)
AITL	56% (9/16)
ALCL	10% (1/10)

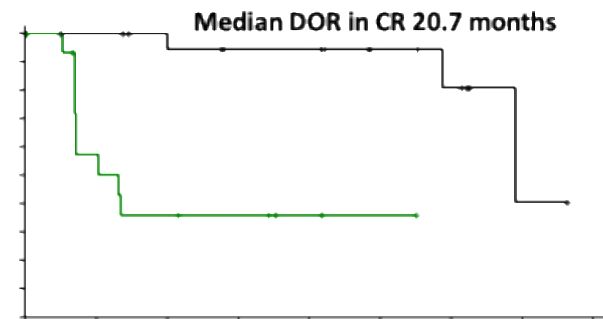
Prior HDAC Inhibitor	%
Yes	24/44 (55%)
No	15/44 (34%)

Median DoR (months) 20.7 months  
 Median follow-up time (months) (IQR) 12.5 months  
 Discontinuation drug 9%

PFS



DOR



## Take home messages

- PTCLs are an heterogeneous group of lymphomas
- Outcome is poor in the majority of PTCL with current standard treatment
- The knowledge of the biological features of the disease should drive the choice of target therapies
- Except for CD30+ ALCL, there is no standard of care for relapsed/refractory nodal PTCL
- Allogeneic transplant is an effective treatment in chemosensitive relapsed PTCL
- Consider clinical trials for PTCLs patients

## Acknowledgments

### Hematology

Fondazione IRCCS

Istituto Nazionale dei Tumori

Milano



### Prof Paolo Corradini

Angelica Barone  
Cristiana Carniti  
Annalisa Chiappella  
Lilli Devizzi  
Maria Chiara Di Chio  
Anna Dodero  
Eugenio Fardella  
Lucia Farina  
Anna Guidetti  
Vincenzo Marasco  
Paola Matteucci  
Lorenzo Meschia  
Martina Pennisi  
Federico Stella



**T Lymphoma sub-committee**

**Cinzia Pellegrini**