



Actualités Lymphomes

Reunion ADHET
5 octobre 2018

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IUC Toulouse Oncopole



■ DLBCL

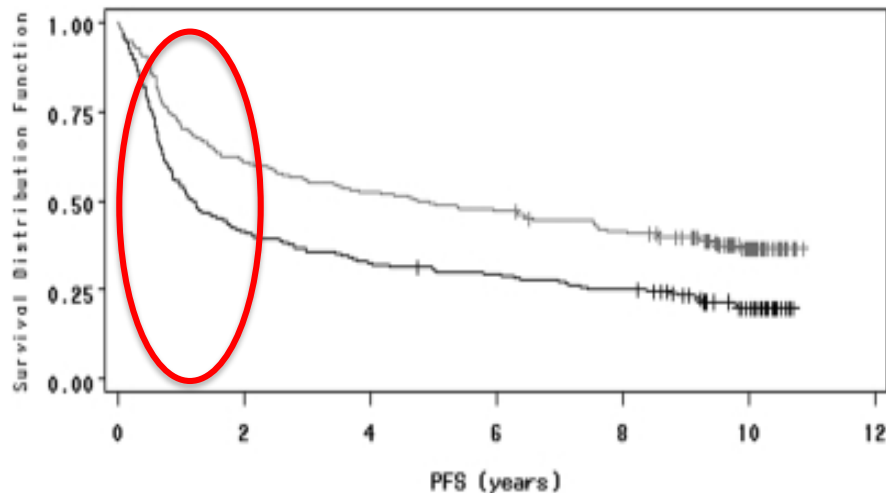
- ▶ Première ligne: améliorer le RCHOP? GalNeD
- ▶ Rechute/réfractaire: , Polatuzumab vedotin, CAR T cell

■ Lymphome de hodgkin:

- ▶ Brentuximab Vedotin: stades localisés, stades avancés
- ▶ stratégie thérapeutique guidée par le Petscan : AHL2011
- ▶ Immunothérapie

En première ligne: le standard reste le RCHOP

CHOP versus R CHOP

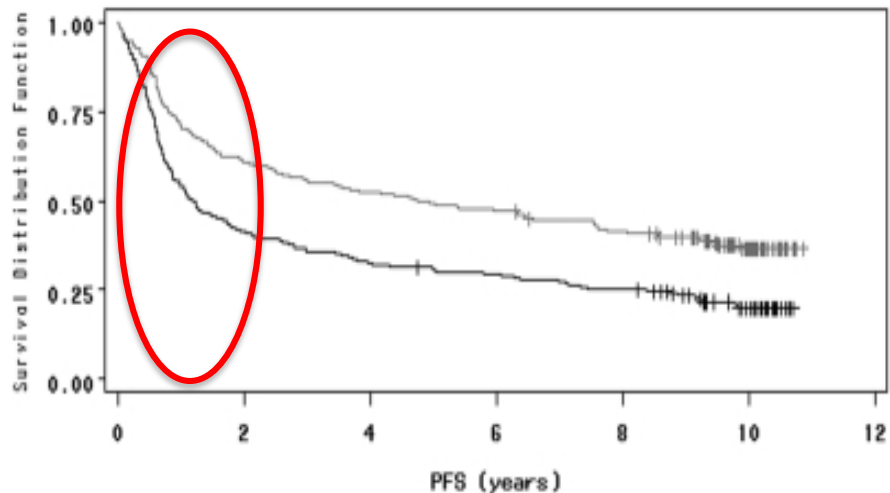


X+R CHOP

- 1. Phase 1 Azacitidine orale (CC486) –RCHOP**
N=33, 97% IPI >3, 91% stade III-IV,
TRG 97%, Pet- 85%
- 2. Phase 1-2 Lenalidomide-Ga101-CHOP**
N=51, TRG 90%
- 3. Phase 1-2 Brentuximab Vedotin-R-CHP**
N=31, SSP à 1 an 92%, SG 1 an 100%
- 4. Phase III Obinutuzumab**

En première ligne: le standard reste le RCHOP

CHOP versus R CHOP

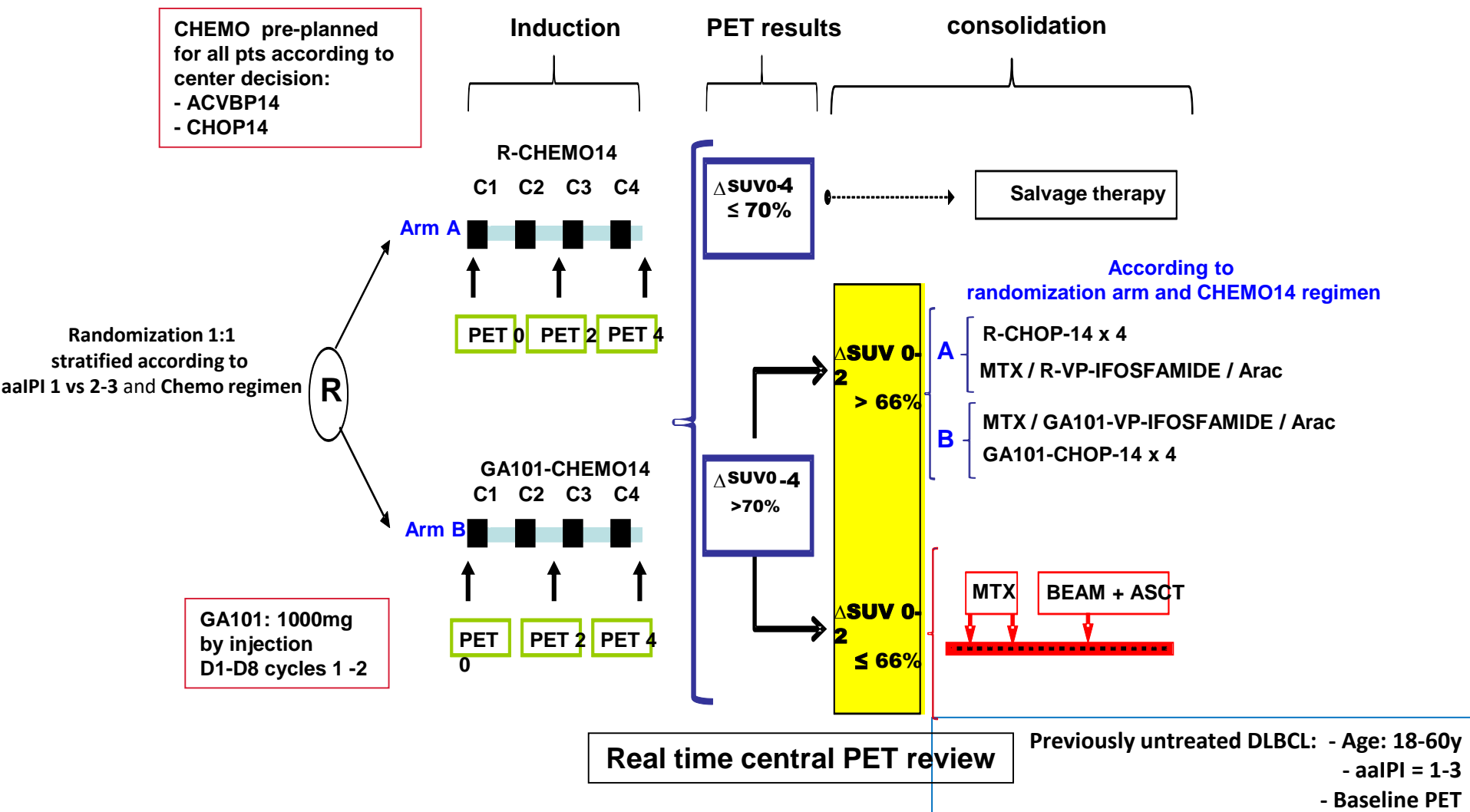


X+R CHOP

1. Phase 1 Azacitidine orale (CC486) –RCHOP
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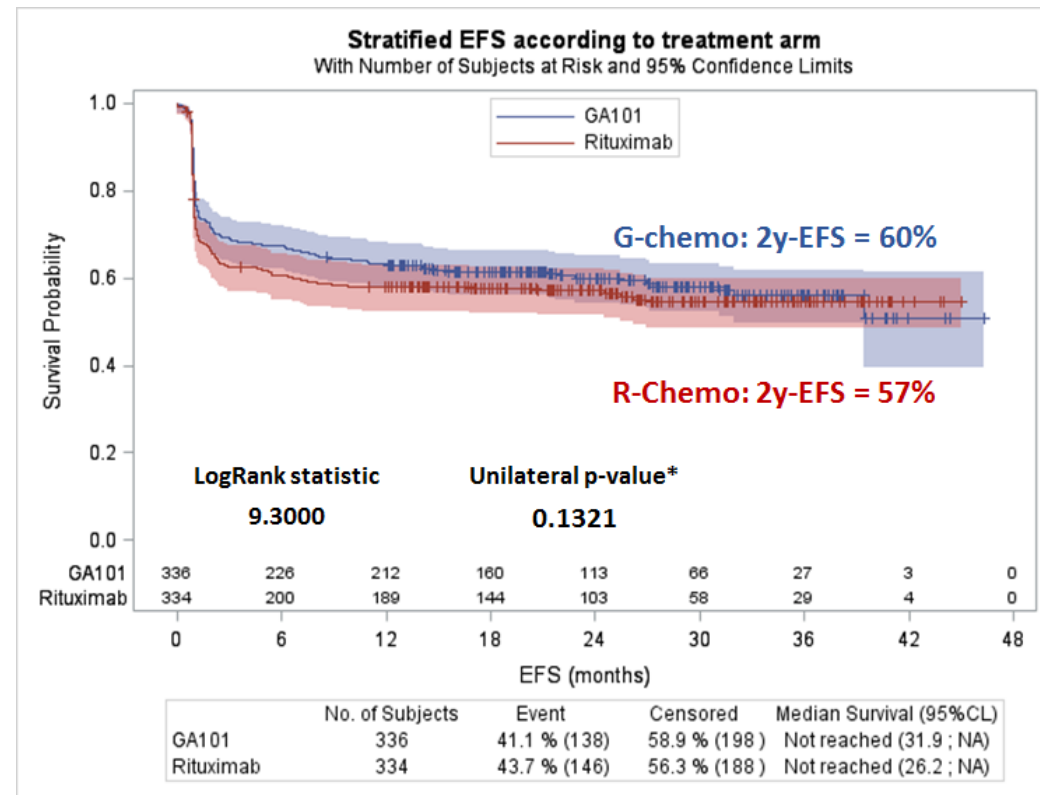
Lymphome B diffus à grandes cellules (LBDGC)

GA In NEwly Diagnosed DLBCL - GAINED

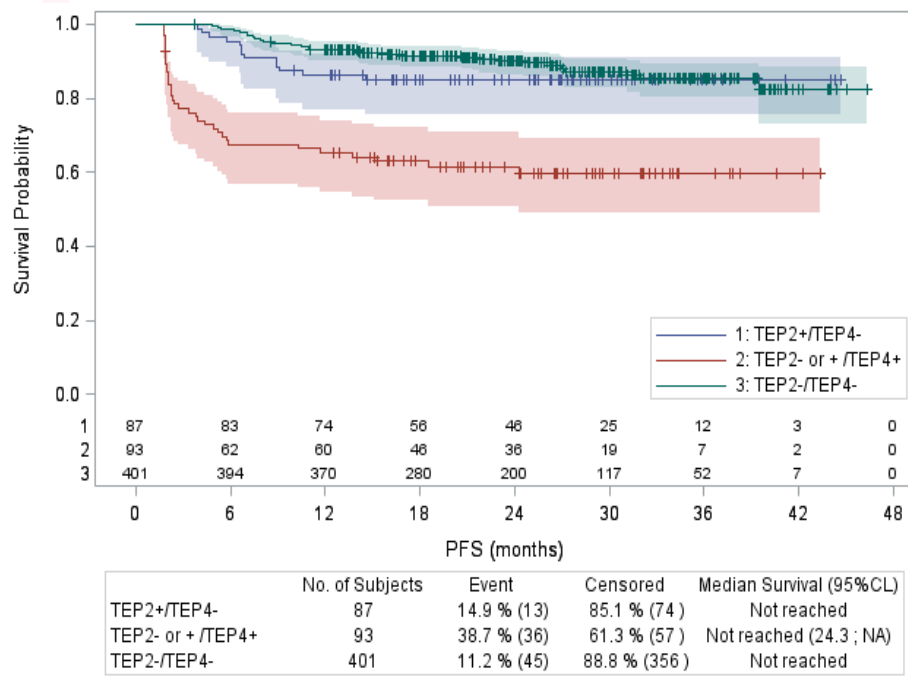


GAINED: Interim PET response according to Δ SUVmax

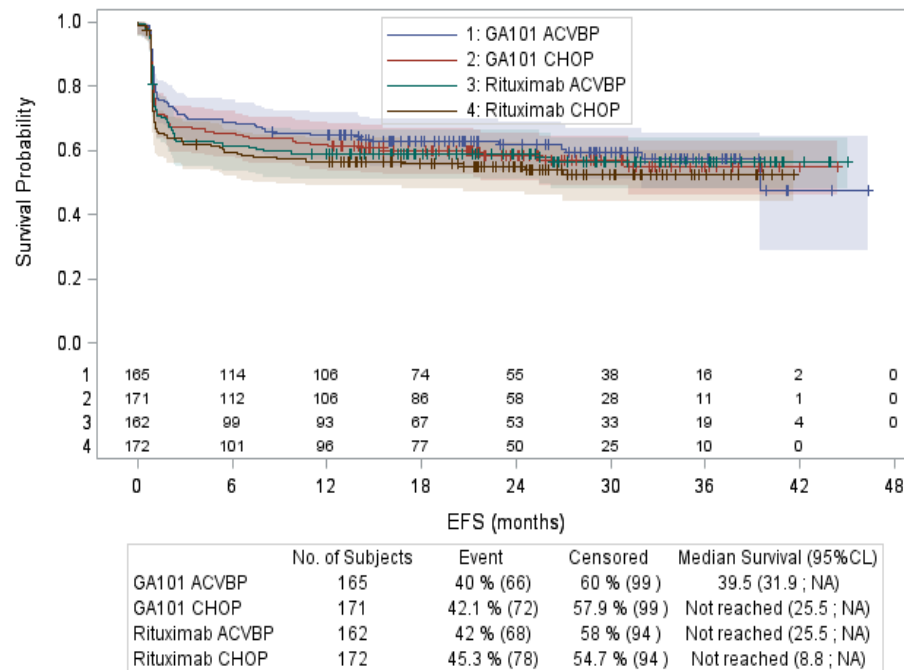
	G-Chemo n = 292		R-Chemo n = 289		p
	N	%	N	%	
PET2-/PET4-	215	73	186	64	<0.02
PET2+/PET4-	40	14	47	16	0.4
PET4+	37	13	56	19	<0.04



Survie sans évènement selon la TEP



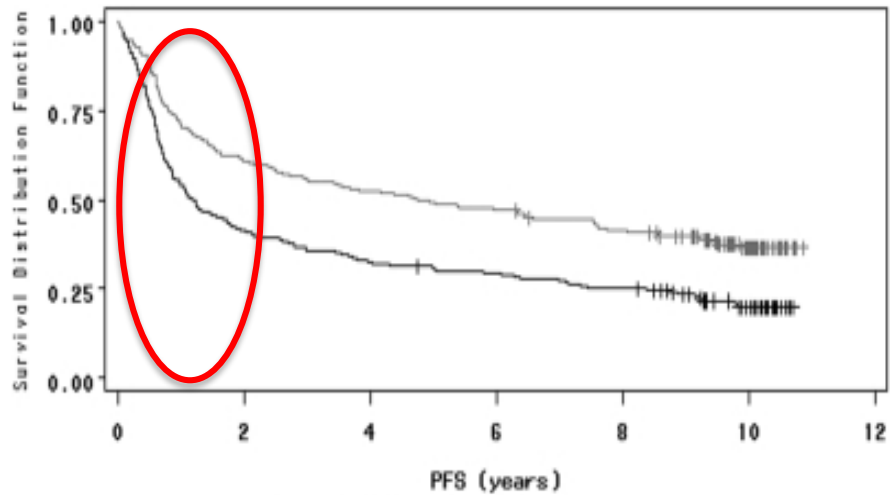
Survie sans évènement selon le traitement d'induction



	Nb de sujets	Evènements	Censurés	Survie mediane (IC 95%)
TEP2+/TEP4-	87	14,9 %(13)	85,1%(74)	Non atteinte
TEP2-ou+/TEP4+	93	38,7%(36)	61,3%(57)	Non atteinte (24,3;NA)
TEP2-/TEP4-	401	11,2%(45)	88,8%(356)	Non atteinte

En première ligne: le standard reste le RCHOP...

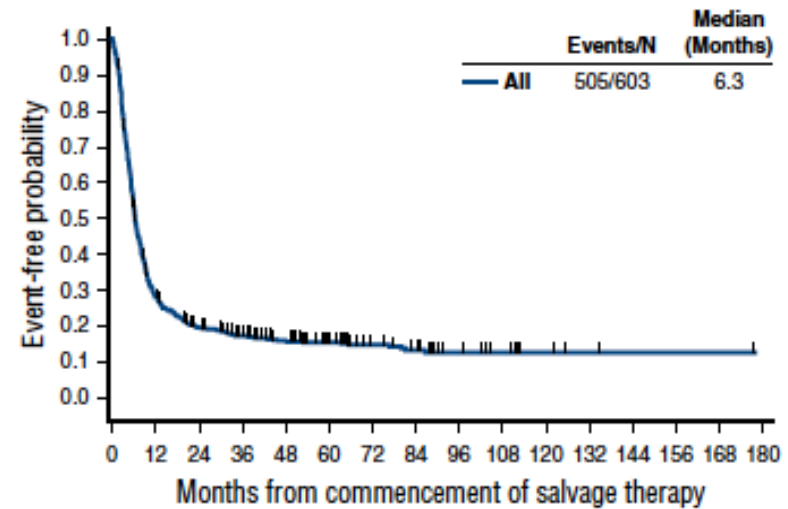
CHOP versus R CHOP



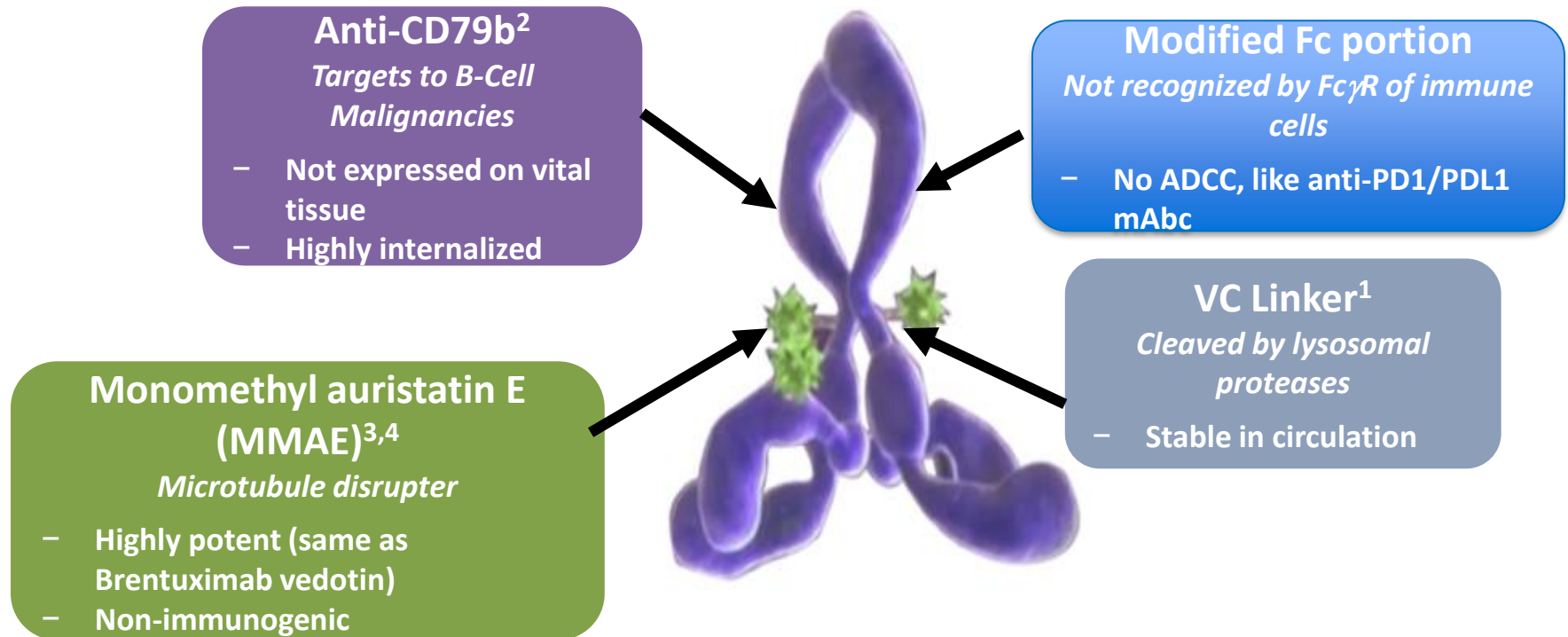
Mais...



SCHOLAR Study

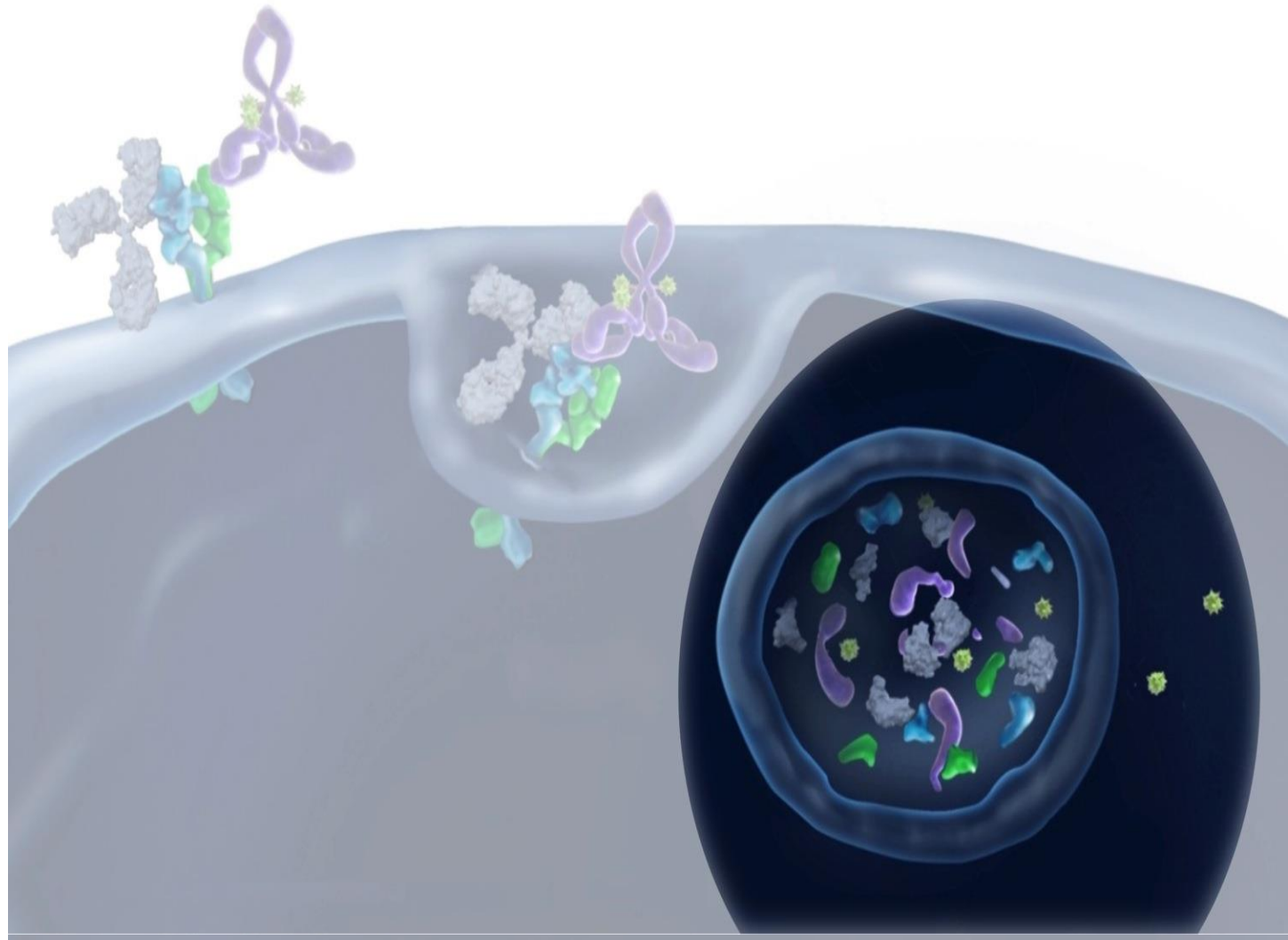


LBDGC R/R: Polatuzumab vedotin

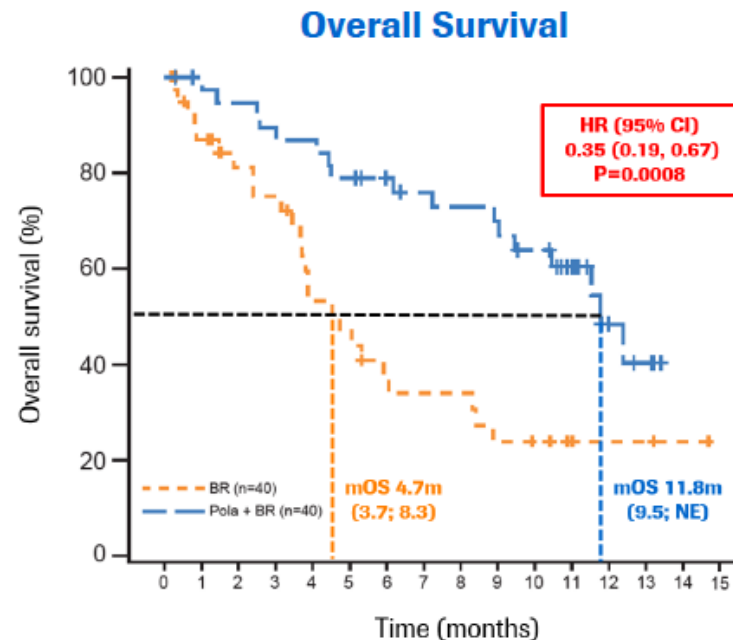
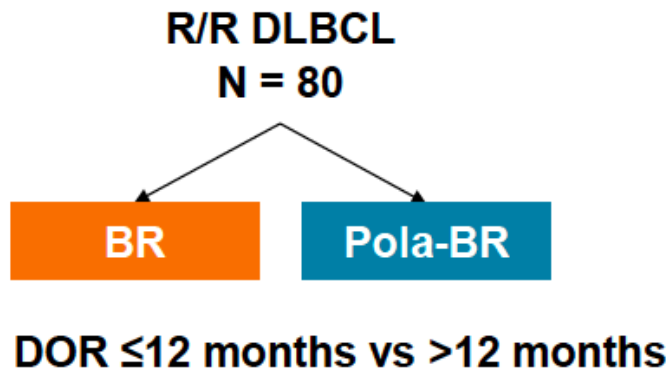


Polatuzumab vedotin: anticorps antiCD79a couplé à MMAE

LBDGC R/R: Polatuzumab vedotin

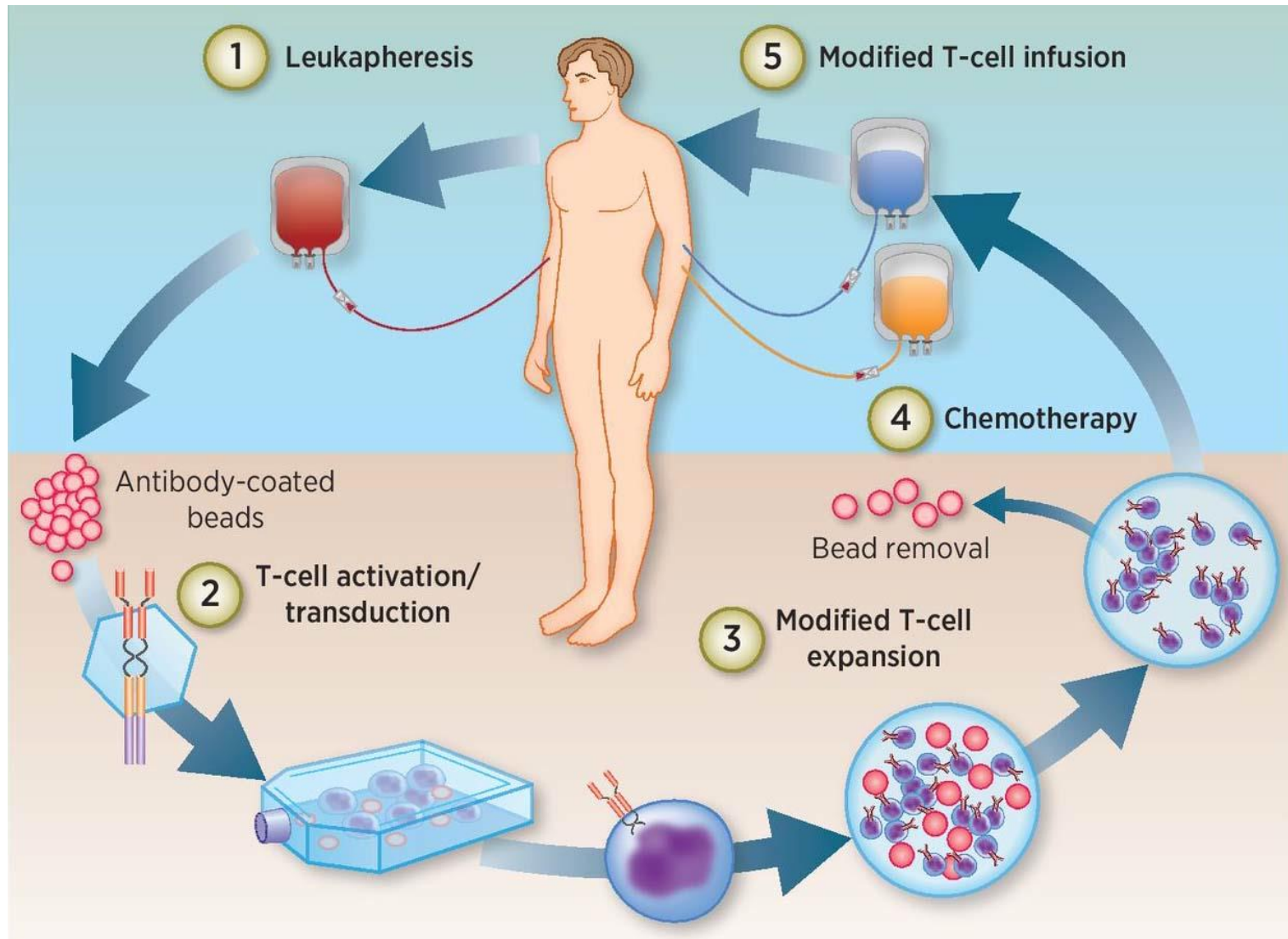


Polatuzumab Vedotin dans LBDGC R/R



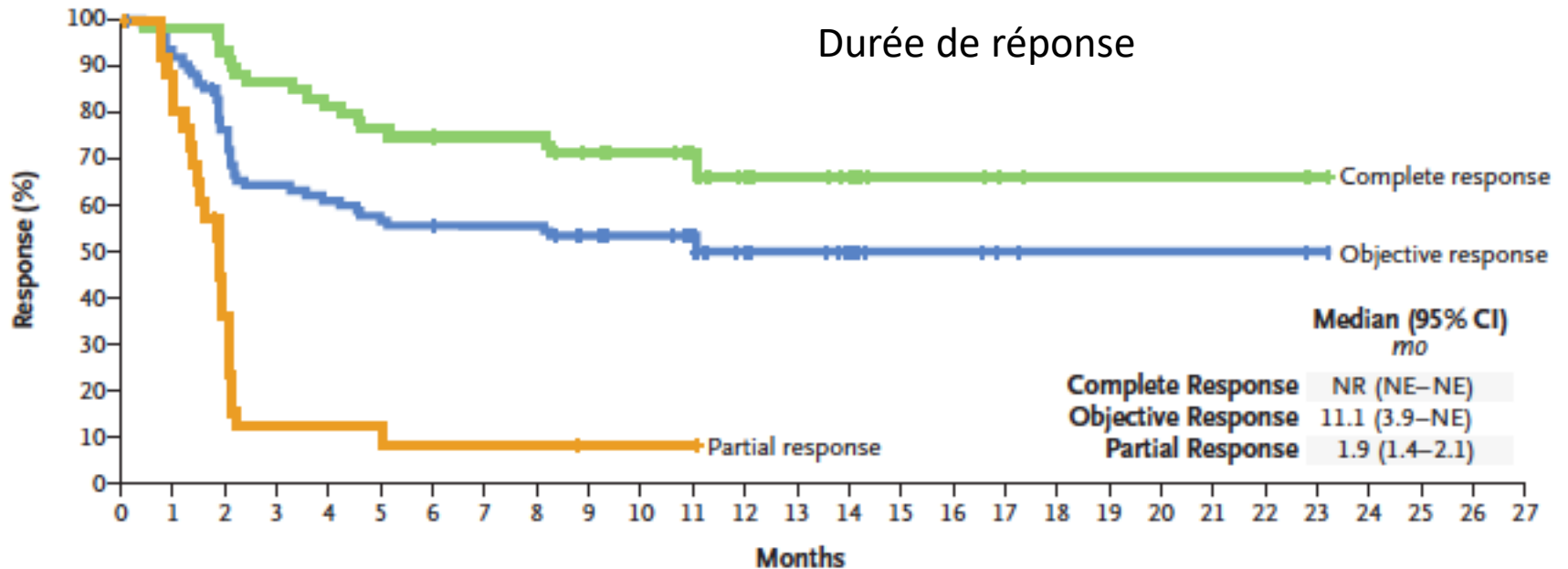
N(%)	Pola+BR (n=40)	BR (n=40)	
ORR (EOT)	18 (45%)	7 (18%)	
CR	16 (40%)	6 (15%)	
mDOR	8,8 mo (4,5-NR)	3,7 (2,6-7,8)	
mPFS	6,7 mo (4,9-11,1)	2 (1,5-3,7)	p<0,0001
mOS	11,8 (9,5-NR)	4,7 (3,7-8,3)	p<=0,0008

CAR T Cell



ZUMA 1

axicabtagene ciloleucel (axi-cell)



N= 111 patients inclus; 101 patients traités

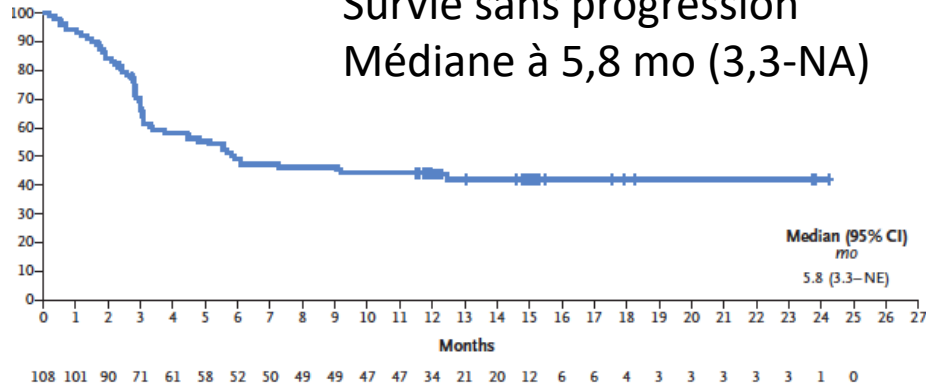
Suvi médian 15,4 mois

Taux de RG : 82%, RC 54%

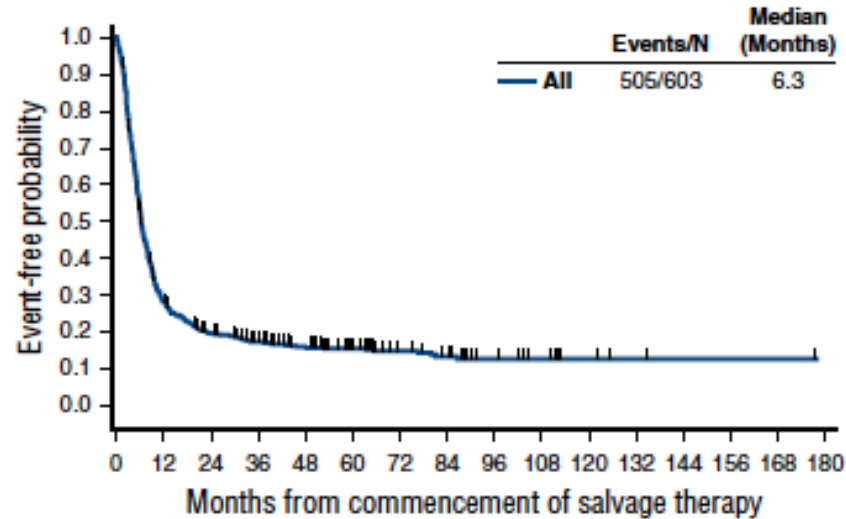
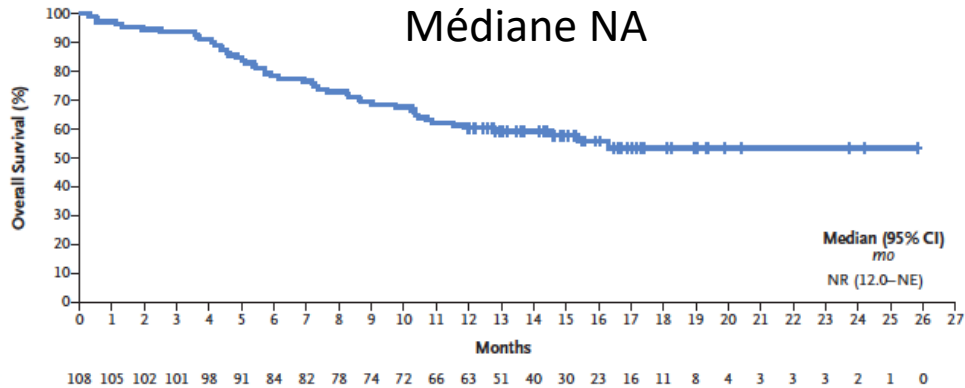
ZUMA 1

axicabtagene ciloleucel (axi-cell)

Survie sans progression
Médiane à 5,8 mo (3,3-NA)



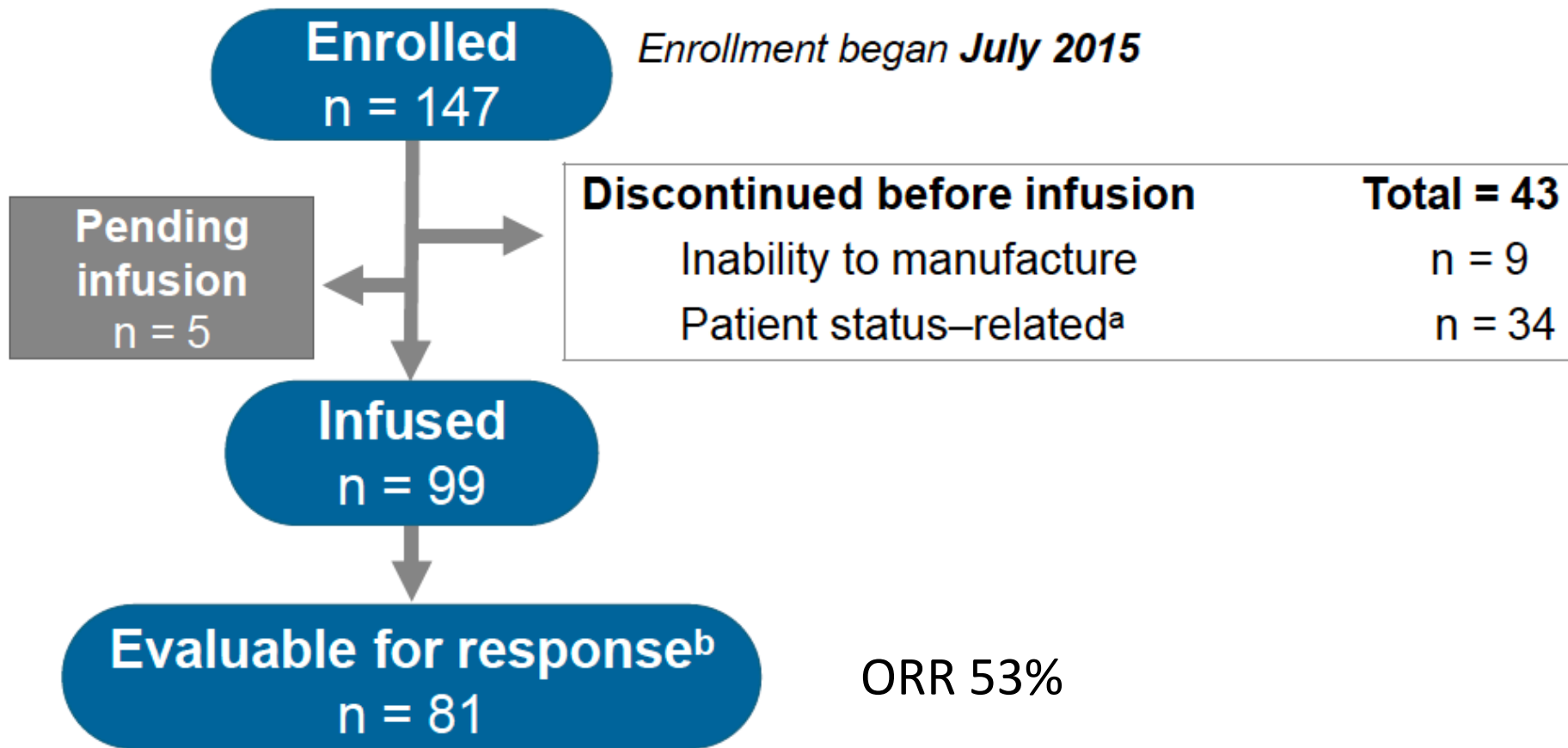
Survie Globale
Médiane NA



Crump M, Blood2017

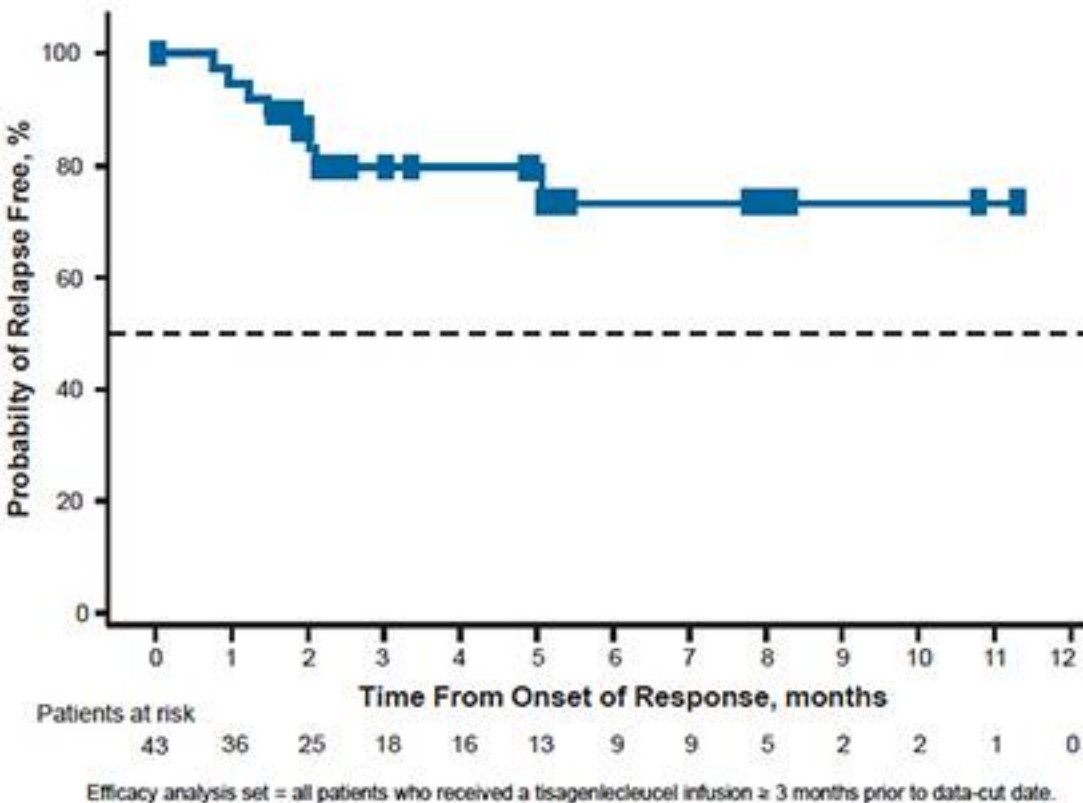
JULIET

tisagenlecleucel



JULIET

tisagenlecleucel



- **Median DOR and OS not reached**
- Almost all patients in CR at month 3 remained in CR
- No patients proceeded to transplant while in response

CR, complete response; DOR, duration of response; OS, overall response.

Syndrome de relargage de cytokine (CRS)

	Patients N = 99
Time to onset, median (range), days ^{a,b}	3 (1-9)
Duration, median (range), days ^a	7 (2-30)
Hypotension that required intervention, %	28
High-dose vasopressors	6
Intubated, %	8
Anticytokine therapy, %	16
Tocilizumab	15
Corticosteroids	11



■ DLBCL

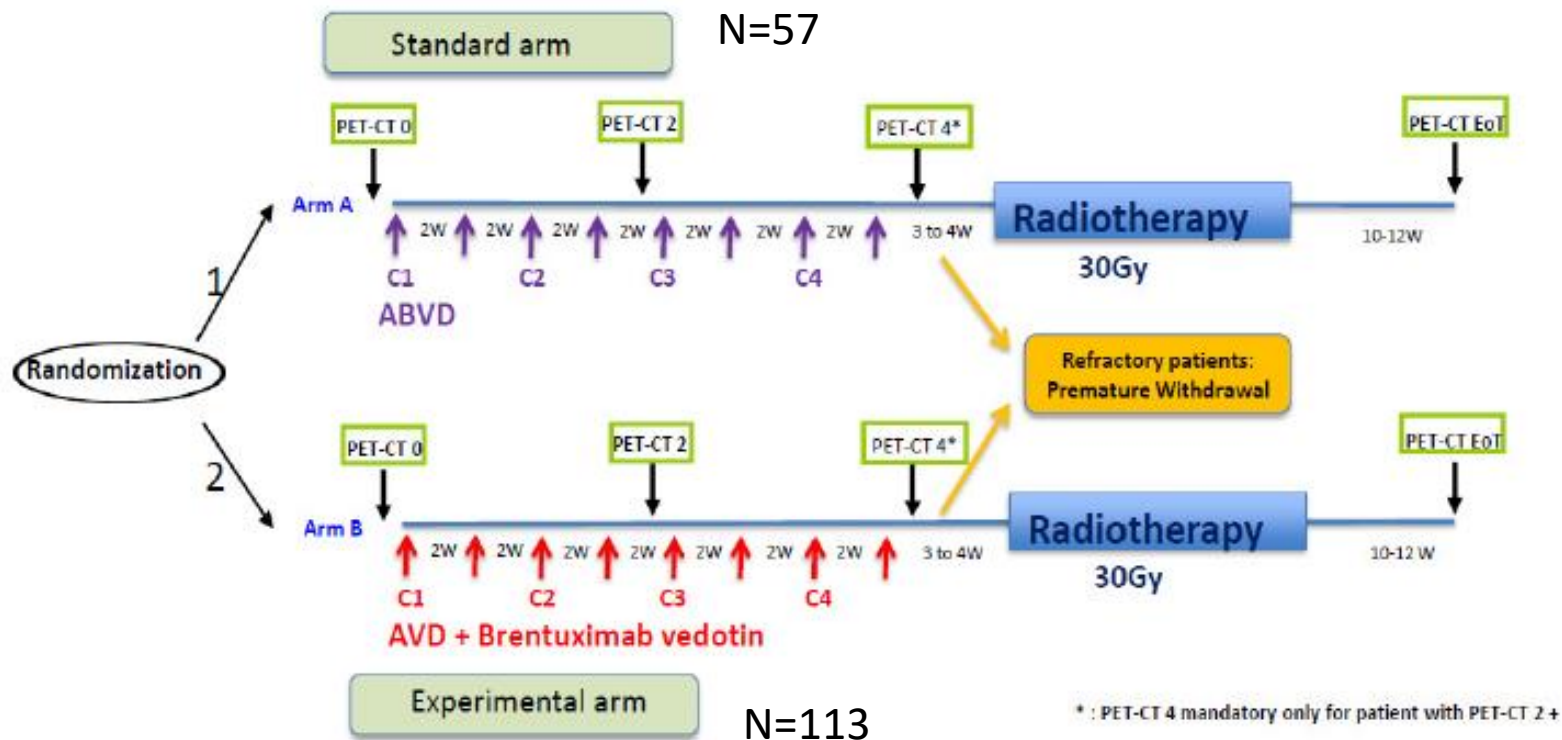
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Lymphome de Hodgkin: stade localisé

Etude Breach



* : PET-CT 4 mandatory only for patient with PET-CT 2+

Experimental arm :

- BV 1.2 mg/kg every 2 weeks
- G-CSF mandatory

PET Scan based response after 2 cycles (IRC assessment)

PET-response after 2 cycles, n(%)	BV-AVD n=113	ABVD n=57
Negative	93 (82.3)	43 (75.4)
95% confidence interval	(75.3% ; 88.0%)	(64.3% ; 84.5%)

The primary objective was met with a lower boundary of the 90% CI greater than 75% in the experimental arm.

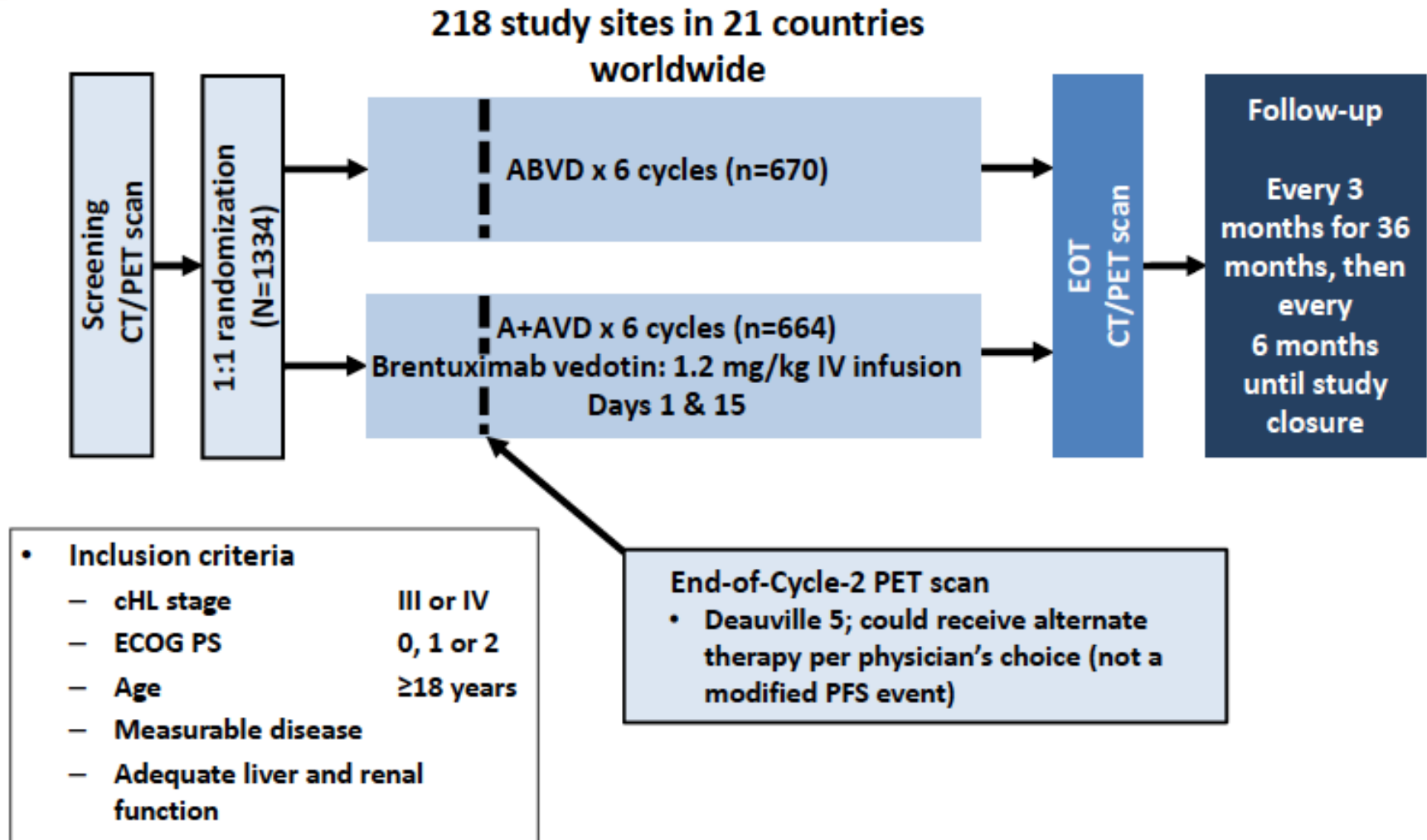
Adverse events (cycles 1 et 2)

n(%) of pts reporting ≥ 1 event	BV-AVD n=113	ABVD n=55*
Any AE	113 (100)	55 (100)
Grade 3-4 AE	84 (74)	31 (56)
SAE	24 (21)	4 (7)
Grade 3-4 SAE	21 (19)	4 (7)
Treatment-related SAE	19 (17)	1 (2)
SAE leading to permanent BV treatment discontinuation	7 (6)	-

**2 patients with no study drug administration due to consent withdrawal*

Reasons for permanent BV discontinuation were loss of weight, hyponatremia, febrile neutropenia, epileptic seizure, peripheral neuropathy, hepatitis and cutaneous rash.

Étude ECHELON



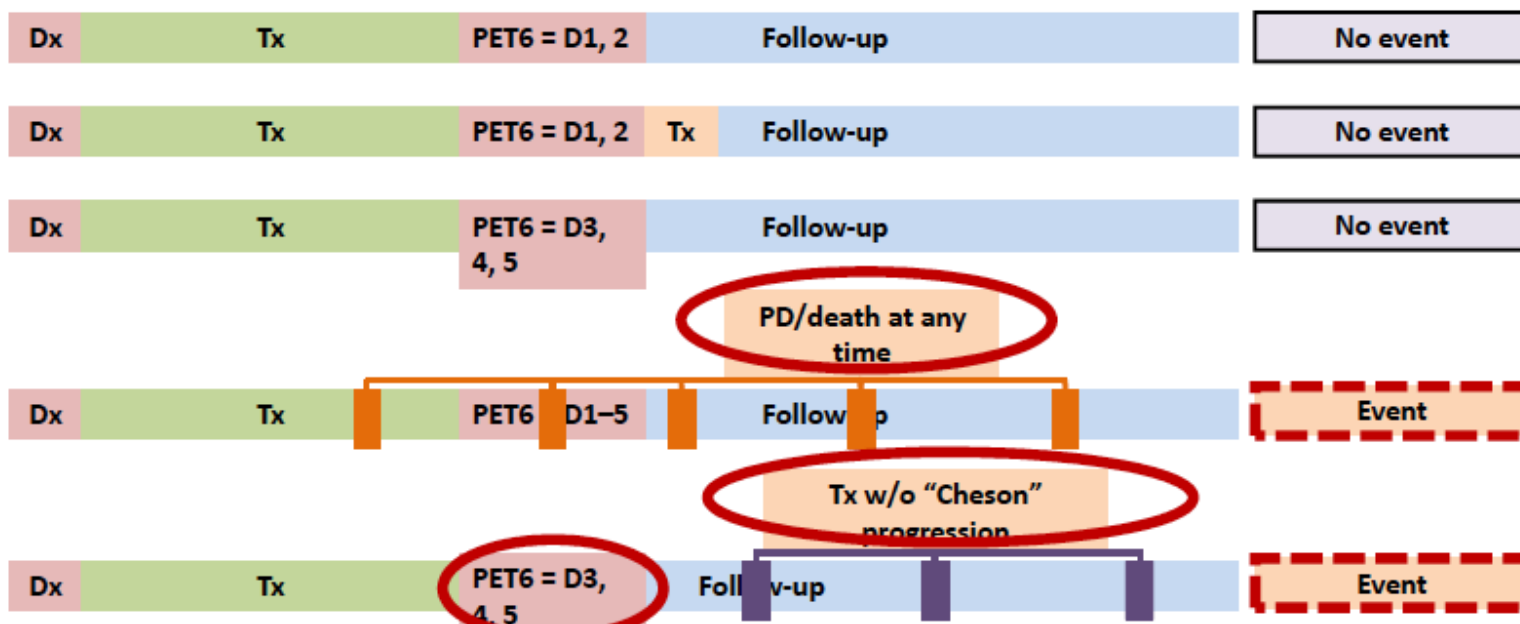
cHL, classic Hodgkin lymphoma; ECOG PS, Eastern Cooperative Oncology Group performance status; EOT, end-of-treatment; PFS, progression-free survival

Étude ECHELON

- Primary endpoint: modified PFS per IRF
 - A modified PFS event was defined as the first of:
 - Progression
 - Death from any cause

PET6 = D3, 4, 5 after completion of frontline therapy followed by subsequent anticancer therapy

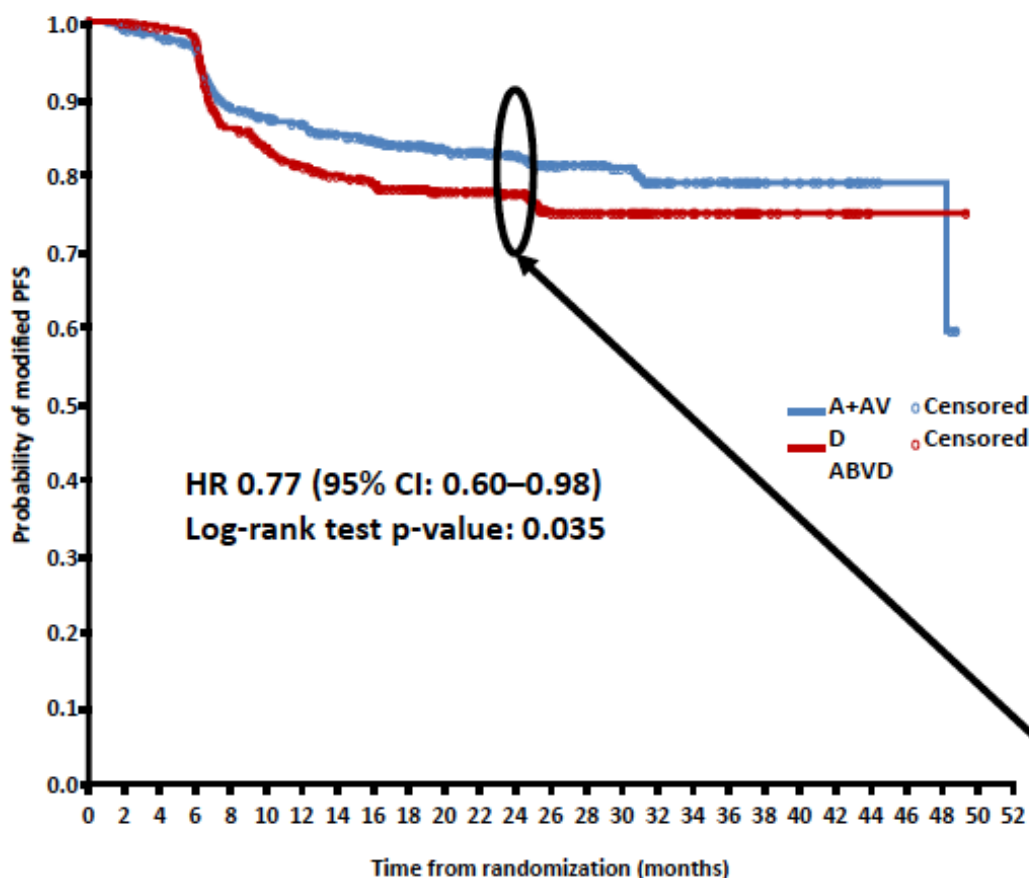
Per IRF



D, Deauville score; Dx, diagnosis; IRF, independent review facility; PD, progressive disease; PET6, end-of-cycle-6 PET; Tx, treatment

Étude ECHELON

Modified PFS per independent review



Number of events

Category	A+AVD N=117	ABVD N=146
Progression	90	102
Death	18	22
Modified progression	9 7	22 15
Chemotherapy	2	7
Radiotherapy		
Modified PFS estimates		

Time	A+AVD (95% CI)	ABVD (95% CI)
2-year	82.1 (78.7–85.0)	77.2 (73.7–80.4)

Median follow-up (range): 24.9 months (0.0–49.3)

No. of patients at risk:

A+AVD	664	640	623	606	544	530	516	496	474	447	350	334	311	200	187	174	99	85	77	27	24	21	6	4	4	0	0
ABVD	670	644	626	613	522	496	476	459	439	415	328	308	294	179	168	153	78	68	62	16	13	12	1	1	1	0	0

Étude ECHELON

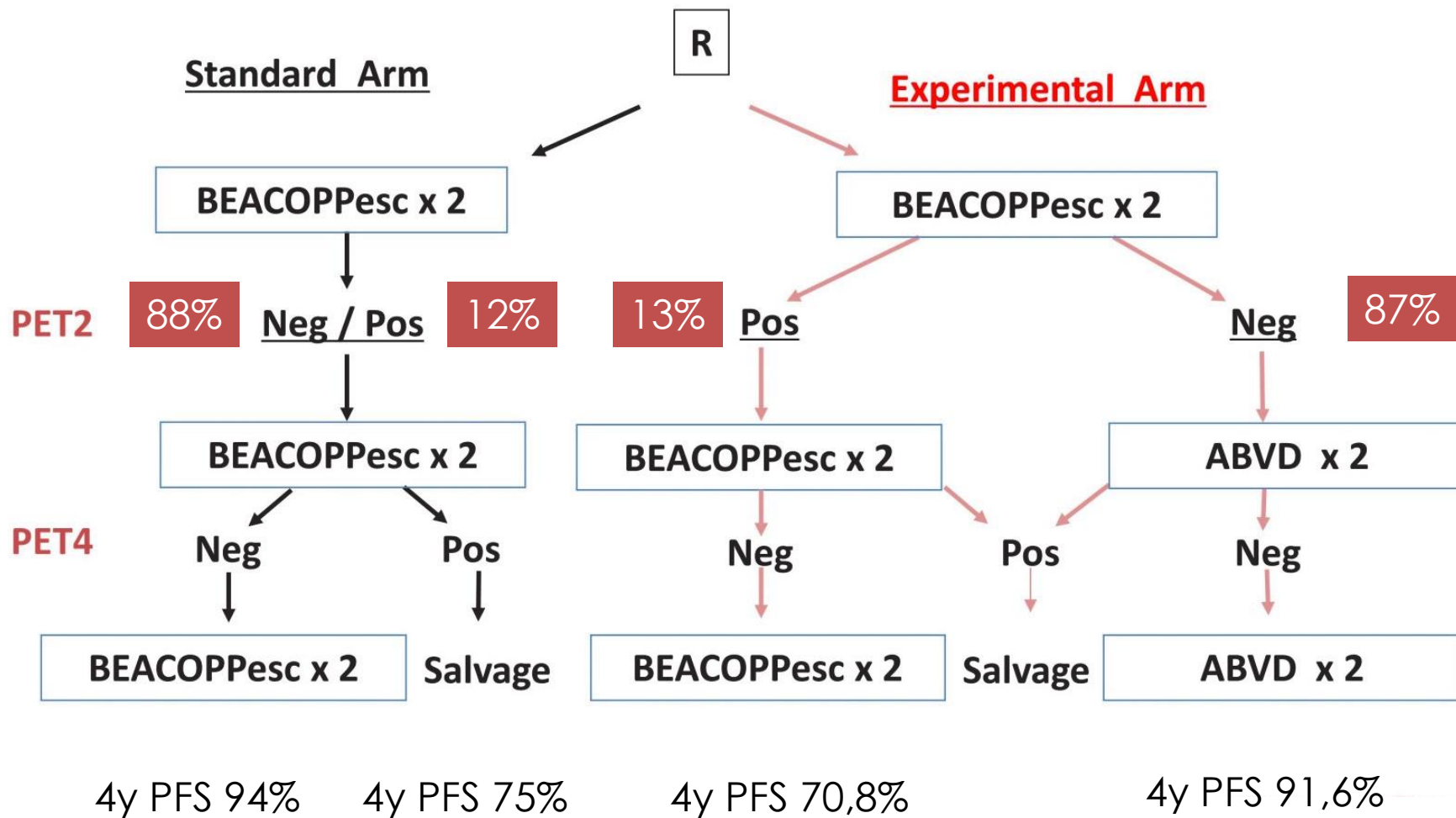
Most clinically important treatment-emergent adverse events

Incidence (any grade) $\geq 20\%$ + febrile neutropenia

Common adverse events, %*	A+AVD (N=662)		ABVD (N=659)	
	Any grade	Grade ≥ 3	Any grade	Grade ≥ 3
Neutropenia	58	54	45	39
Constipation	42	2	37	<1
Vomiting	33	3	28	1
Fatigue	32	3	32	1
Peripheral sensory neuropathy	29	5	17	<1
Diarrhea	27	3	18	<1
Pyrexia	27	3	22	2
Peripheral neuropathy	26	4	13	<1
Abdominal pain	21	3	10	<1
Stomatitis	21	2	16	<1
Febrile neutropenia	19	19	8	8

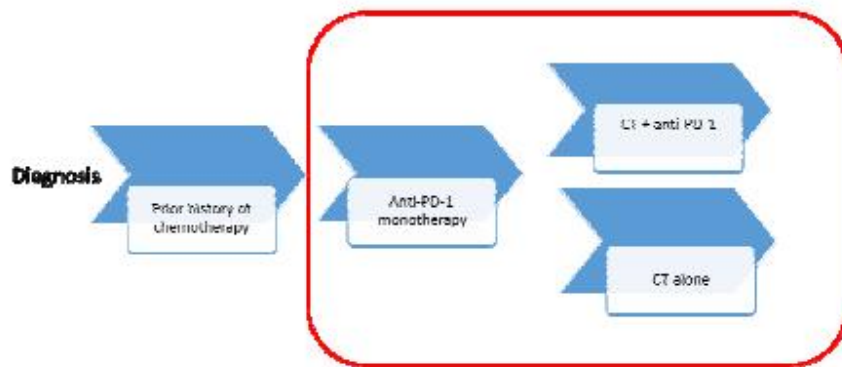
*Partial list focusing on the most clinically important adverse events. Adverse events ($\geq 20\%$ any grade in either arm) excluded from the table include nausea, alopecia, weight decreased, and anemia

AHL2011

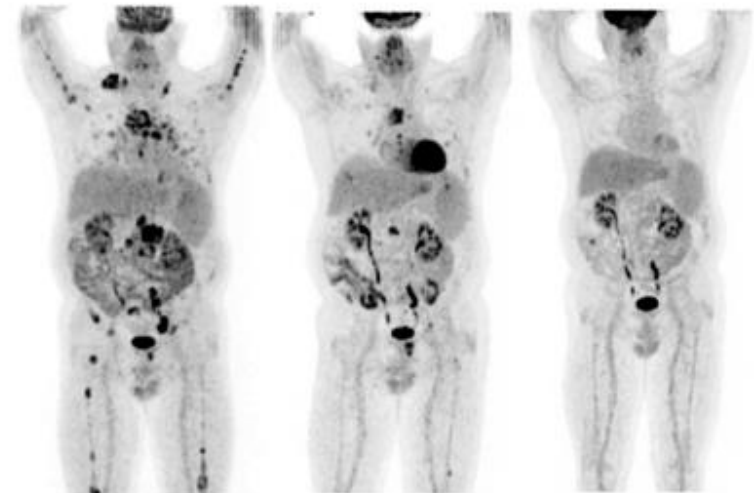


Estimated 4y PFS 87,4% versus 87,1%

Combinaison antiPD1 et chimiothérapie



Pre-therapeutical anti-PD-1 monotherapy End of anti-PD-1 monotherapy After chemotherapy



Lugano: PD
Lyric: IR2

Lugano: CR
Lyric: CR

	All patients (n=30)	Group 1: chemo only (n=19)	Group 2: Chemo-Anti-PD-1 combination (n=11)
Complete response	11 (37%)	6 (32%)	5 (45.5%)
Partial response	10 (33%)	5 (26%)	5 (45.5%)
Stable disease	2 (7%)	1 (5%)	1 (9%)
Progression	6 (20%)	6 (32%)	0
Not evaluated	1 (3%)	1 (5%)	0
Improvement of the sequence	22 (73%)	13 (68%)	9 (81%)

➤ Soutient le concept d'une synergie [anti PD-1 + chimiothérapie]

- Lymphome B à grandes cellules
 - Amélioration de la première ligne:
 - challenger le RCHOP (Polatuzumab Vedotin?)
 - En rechute: Car T cell
 - Accessibilité
 - Sélection des patients
 - Gestion des toxicités
 - Coût

- Lymphome de Hodgkin:
 - Stratégie guidée par le petscan
 - Incorporation nouvelles molécules en première ligne de traitement
 - Futur: immunothérapie