

AVANCES TERAPÉUTICOS EN EL MANEJO DE PACIENTES CON LINFOMAS B

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El LDCG-B, curable

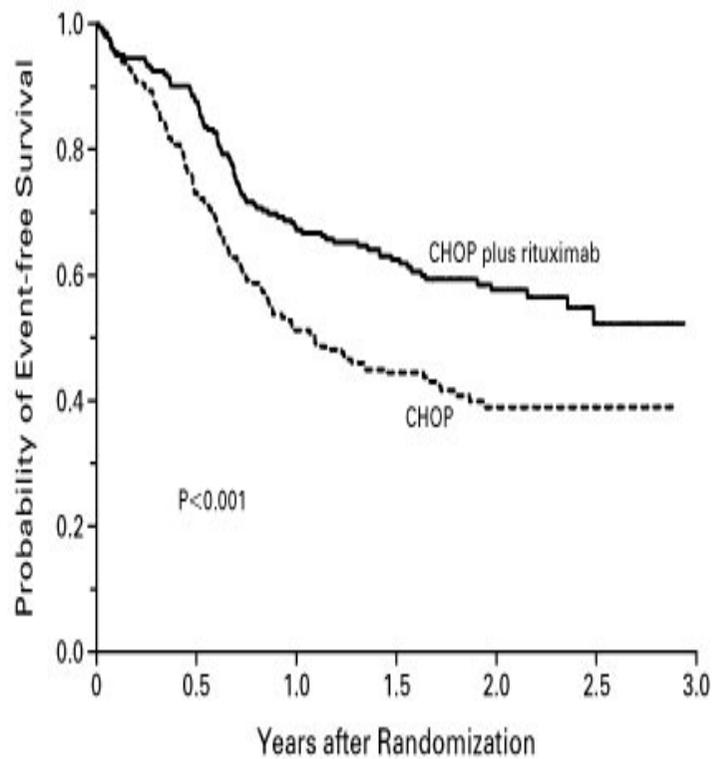
ADVANCED DIFFUSE HISTIOCYTIC LYMPHOMA, A POTENTIALLY CURABLE DISEASE

RESULTS WITH COMBINATION CHEMOTHERAPY

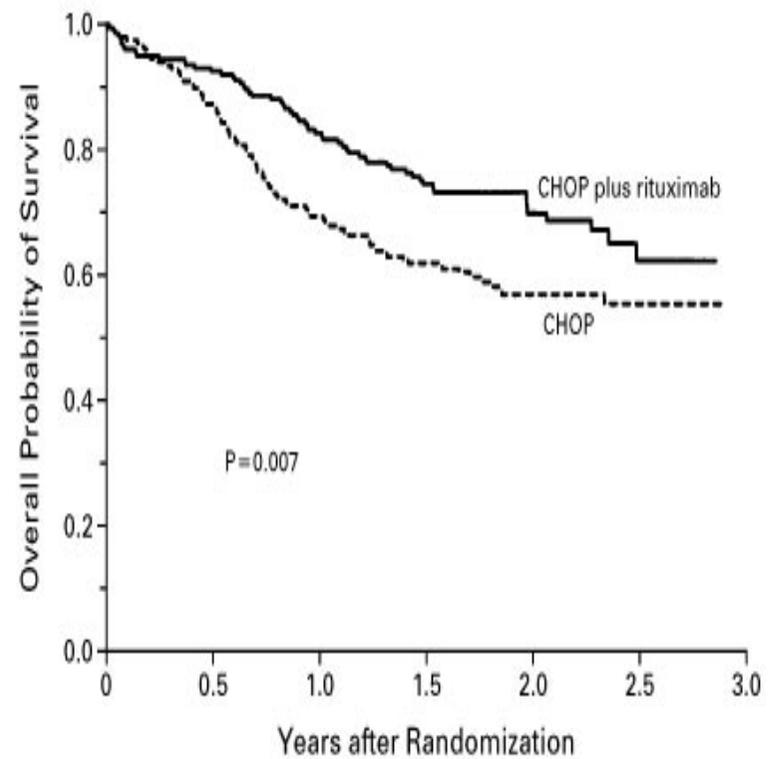
VINCENT T. DEVITA, JR. GEORGE P. CANELLOS
BRUCE CHABNER PHILIP SCHEIN *
SUSAN P. HUBBARD ROBERT C. YOUNG

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National Institutes of Health, Bethesda,
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LDCG-B con R-CHOP

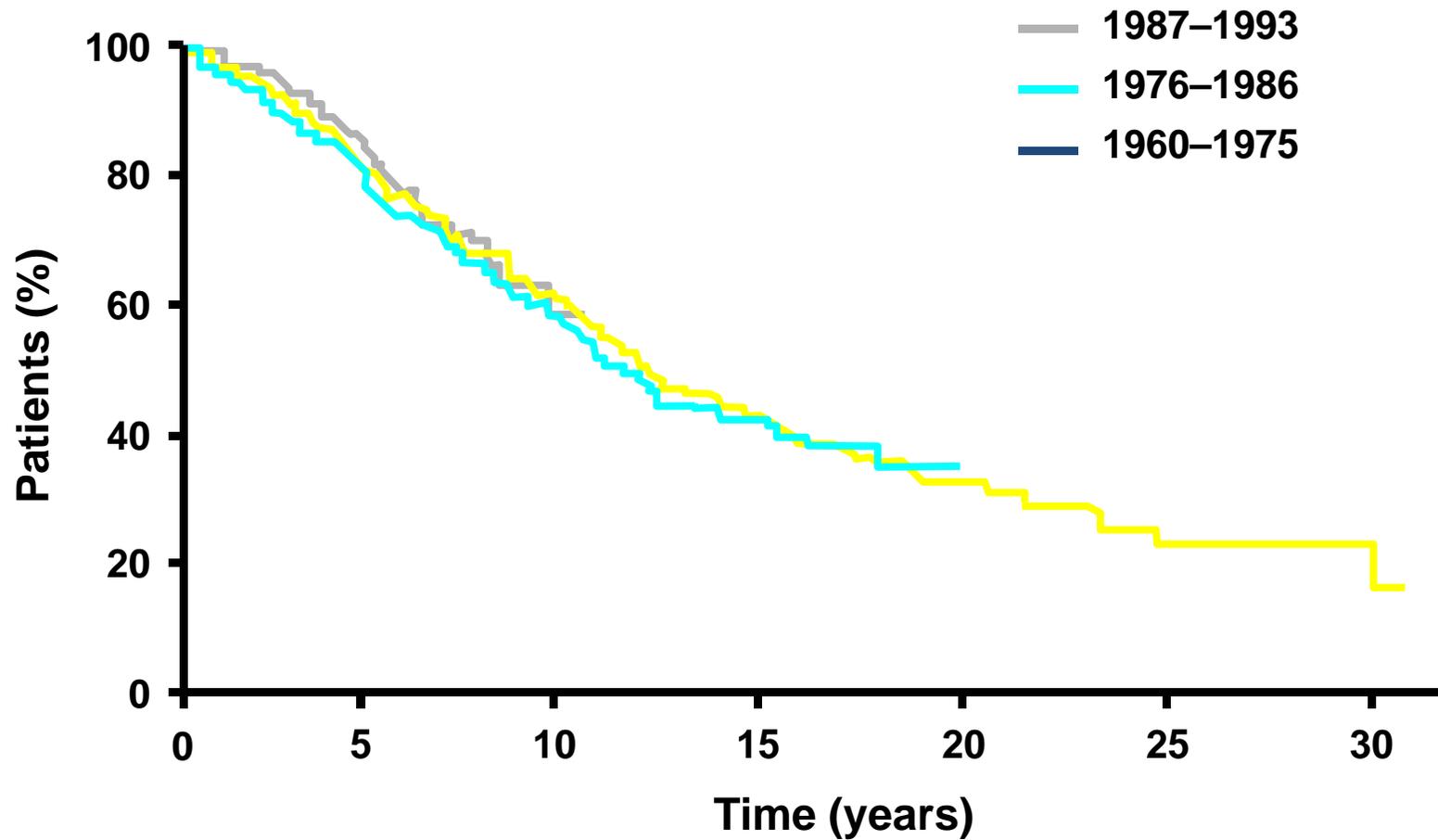


No. AT RISK	0	0.5	1.0	1.5	2.0	2.5	3.0
CHOP plus rituximab	202	177	137	108	63	19	
CHOP	197	144	101	72	42	17	



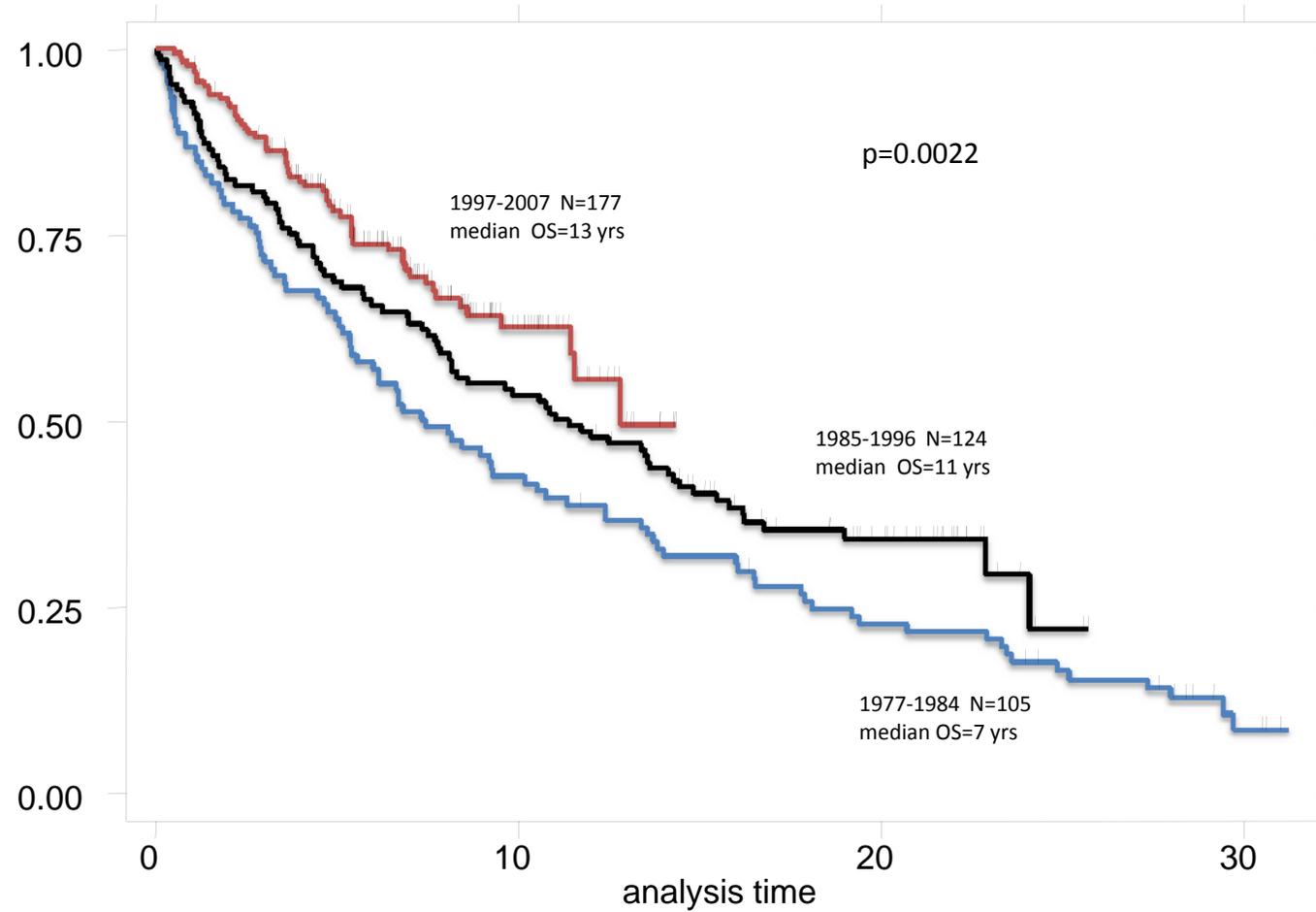
No. AT RISK	0	0.5	1.0	1.5	2.0	2.5	3.0
CHOP plus rituximab	202	187	167	118	64	21	
CHOP	197	171	136	96	58	16	

El LF en Stanford



Adapted from Horning S, Semin Oncol, 1993

El LF en Barts



¿Culpable?

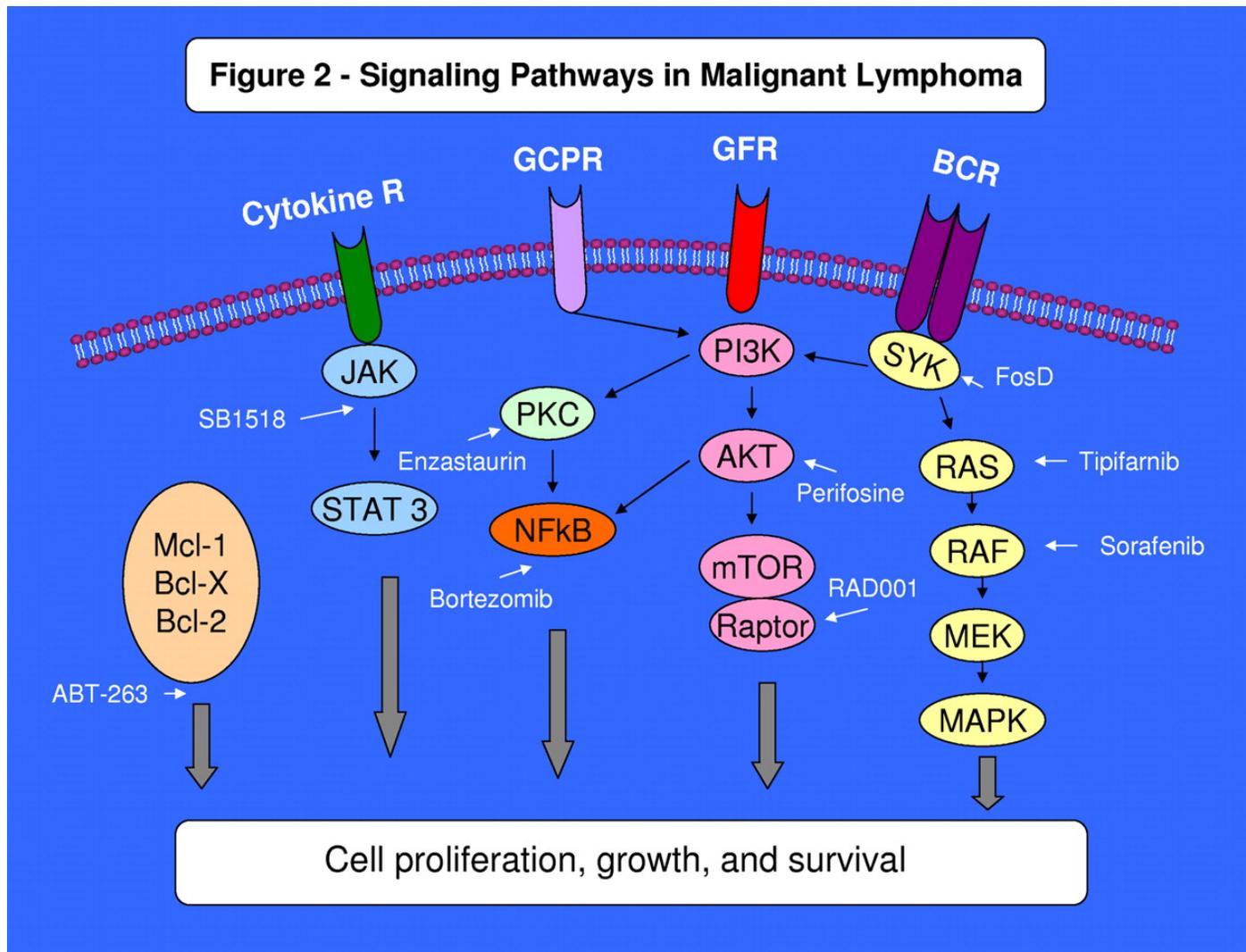


¿Y ahora qué?

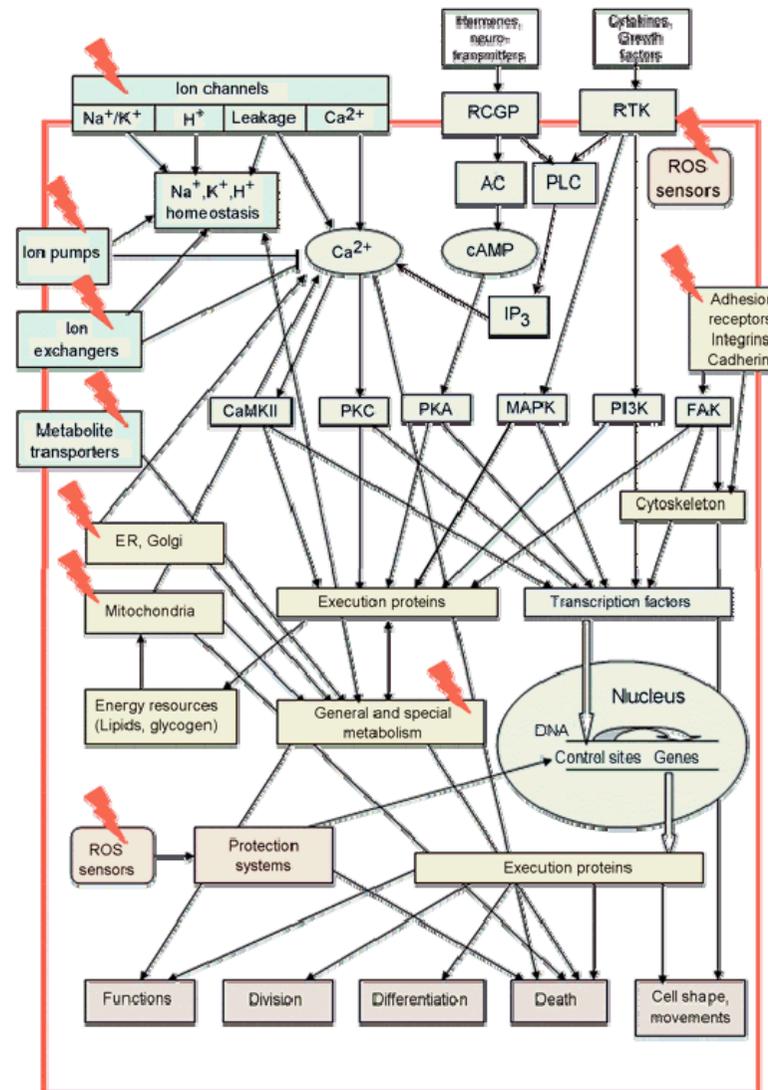
- Nuevos fármacos
- Mejores anti-CD20

Otras vías: 'terapia dirigida'

Figure 2 - Signaling Pathways in Malignant Lymphoma



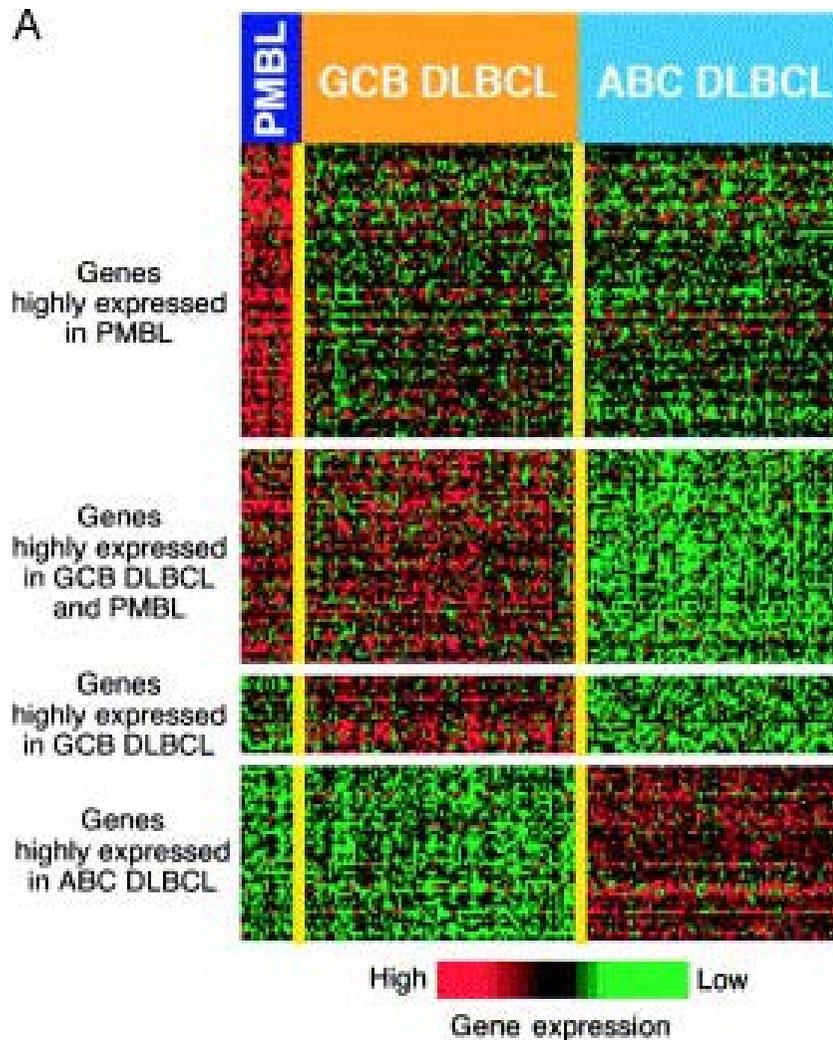
Otras vías: 'terapia dirigida'



'Nuevos' fármacos

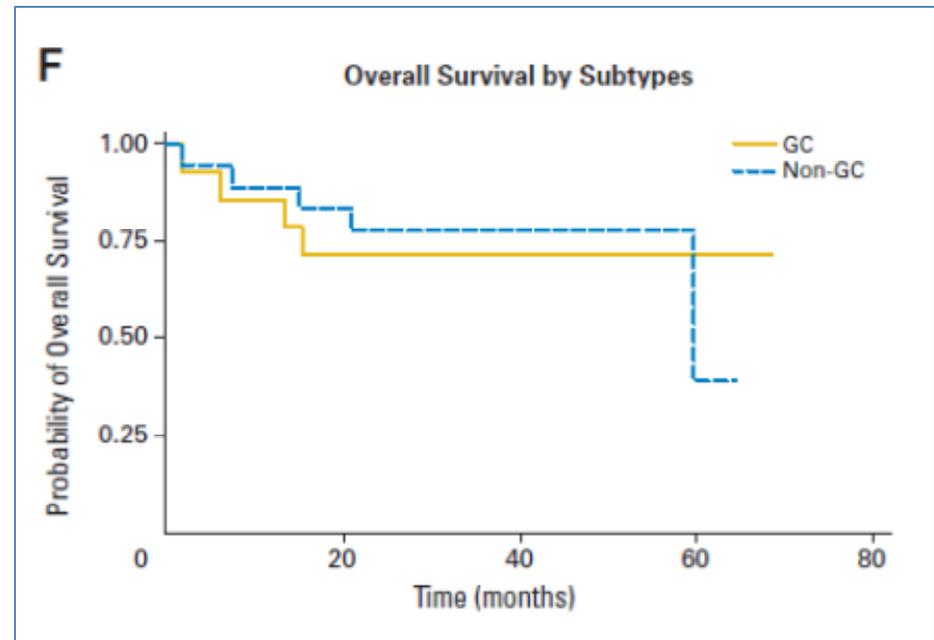
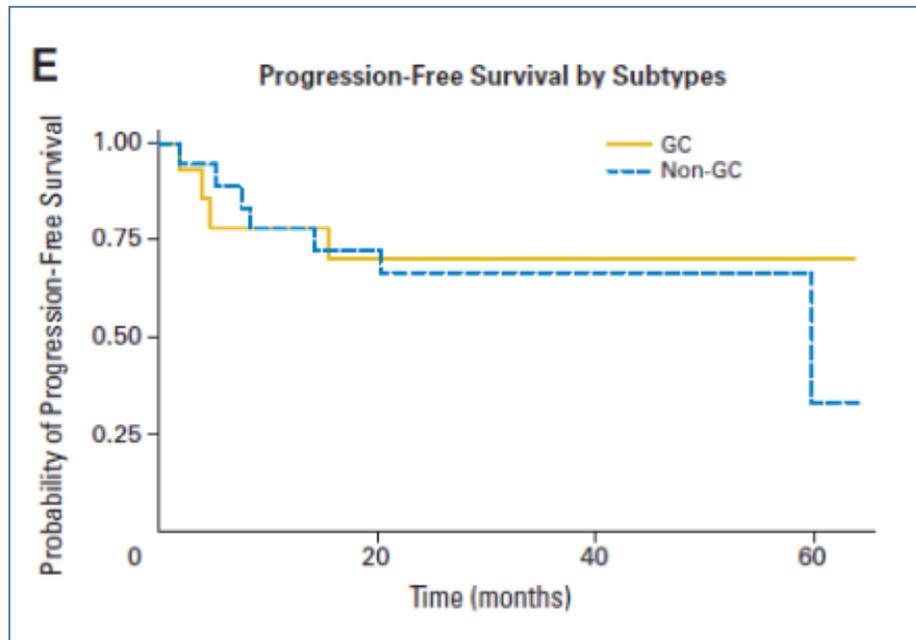
- Bortezomib
- Bendamustina
- Lenalidomida

Bortezomib en LDCG-B: fundamento



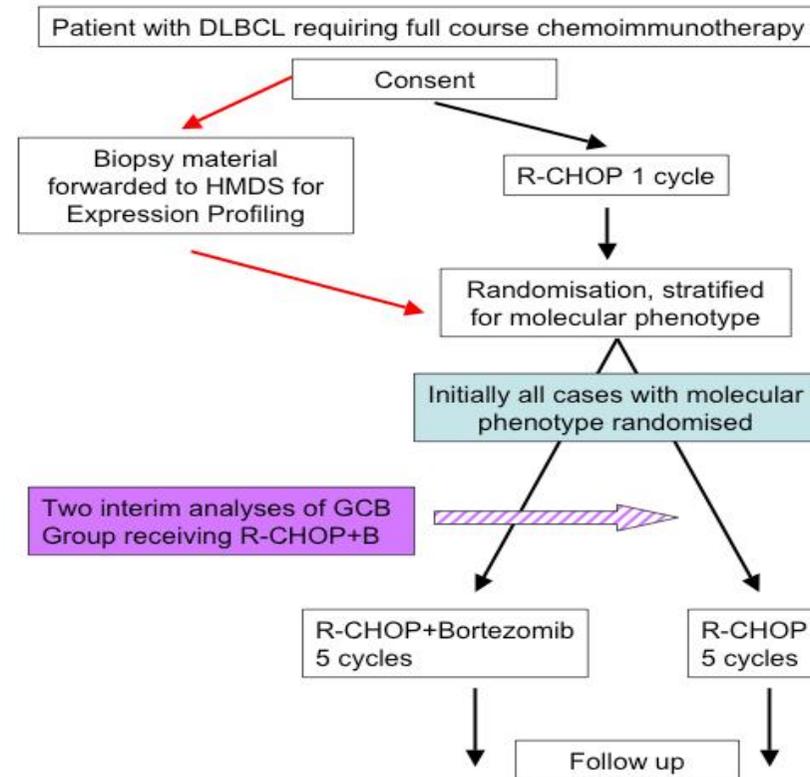
	GCB DLBCL	ABC DLBCL	PMBL
c-rel Amplification	16%	0	25%
BCL-2 Translocation	45%	0	18%
Gain Chr. 3q	0	24%	5%
Gain/amp Chr. 9p24	0	6%	43%
Constitutive NF-κB activation	-	+	+

Bortezomib en LDCG-B



Bortezomib en LDCG-B: REMoDL-B

Trial Outline:



Bortezomib en LCM: RiPAD + C

- 65-80 años
- Primera línea
- Rituximab, doxorubicina, DXM, CB
- Bortezomib bisemanal



- RR: 74%, RC/RCi: 59%
- Mediana de SLP: 26 meses
- Neuropatía periférica °3: 18%

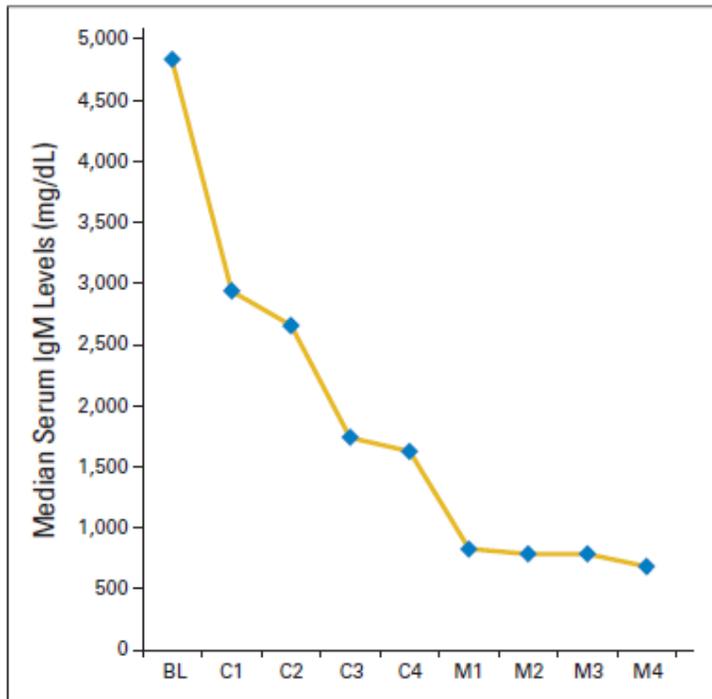
Bortezomib en LF: BR-CVP

Table 3. Incidence of Neurotoxicity (n = 94)*

Neuropathy	Grade (CTCAE v3)							
	1		2		3		4	
	No.	%	No.	%	No.	%	No.	%
After four cycles								
Motor neuropathy	1	1	3	3	0	0	0	0
Sensory neuropathy	45	48	12	13	3	3	0	0
Neuropathic pain	8	9	6	6	0	0	0	0
After eight cycles								
Motor neuropathy	4	4	5	5	0	0	0	0
Sensory neuropathy	41	44	24	26	5	5	0	0
Neuropathic pain	15	16	11	12	1	1	0	0

Response	No. of Patients	%	95% CI
Overall response	78	83	75.4 to 90.6
Complete response (CR/CRu)	46	49	38.8 to 59.0
Partial response	32	34	24.5 to 43.6
Stable disease	5	5	0.8 to 9.9
Progressive disease	8	9	2.9 to 14.2
Unevaluable	3	3	—

Bortezomib en MW: BDR

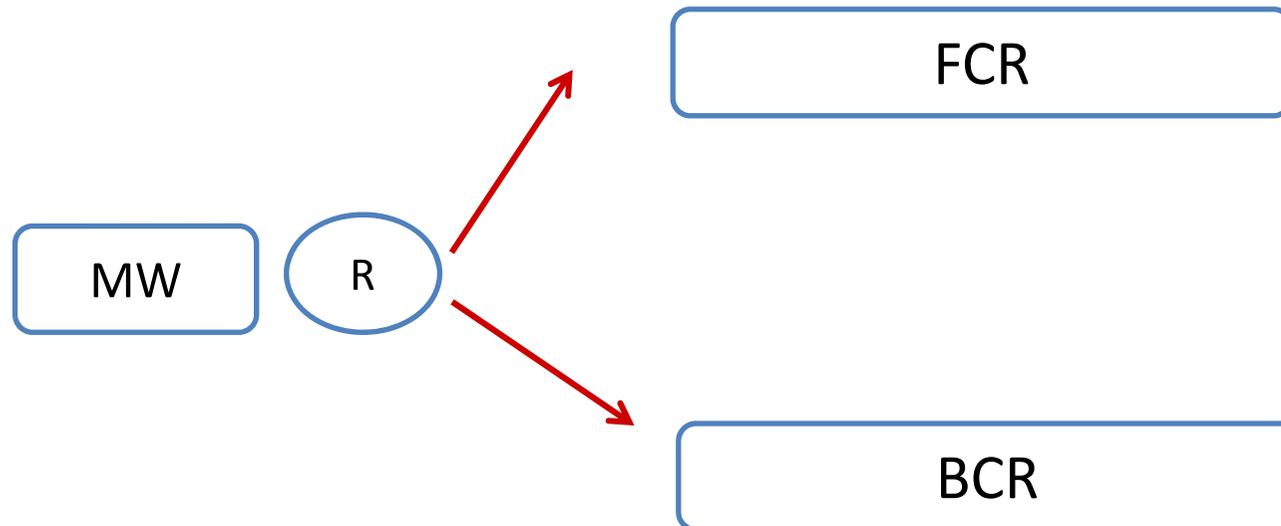


	<i>BDR (bise-manal)</i>	<i>BR (se-manal)</i>
<i>Grado 3-4 neuropatía periférica</i>	30%	5%
<i>Cese bortezomib</i>	61%	16%

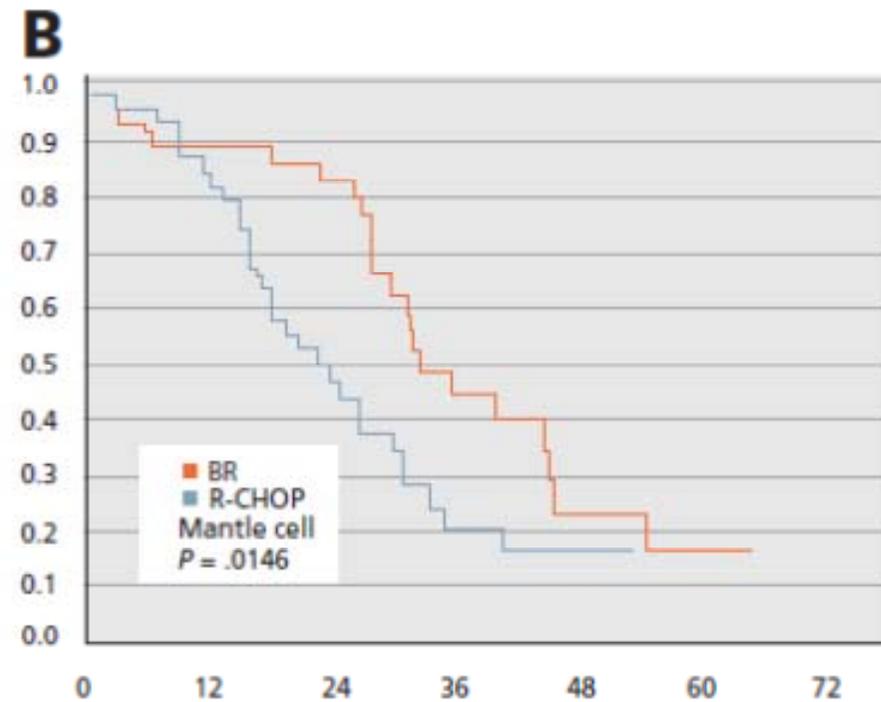
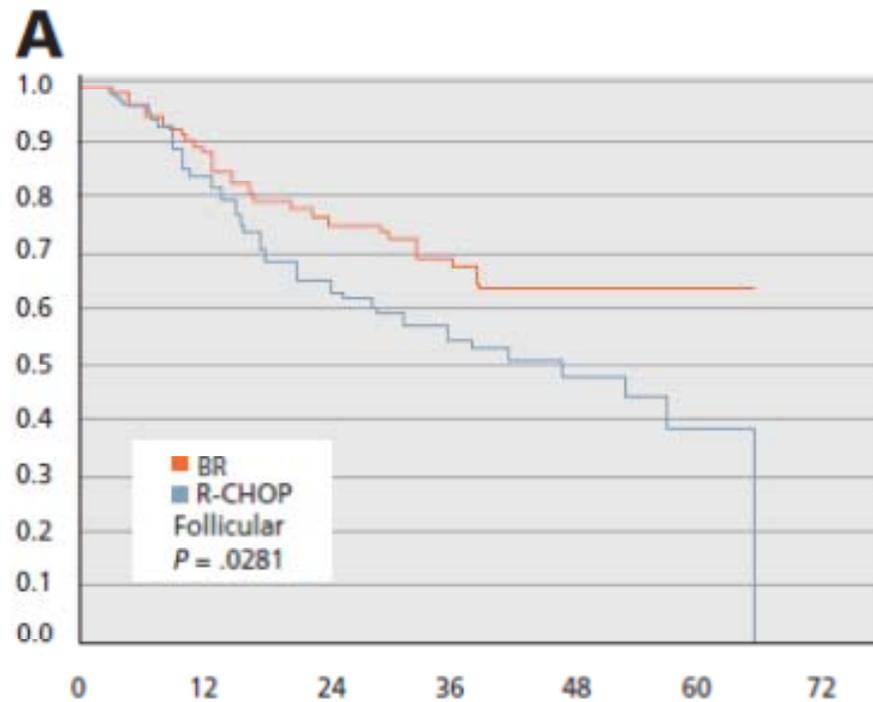
Treon S et al, J Clin Oncol, 2009

Bortezomib en MW: estudio R2W

- Estudio randomizado, fase II
- Primera línea
- Bortezomib SC, semanal

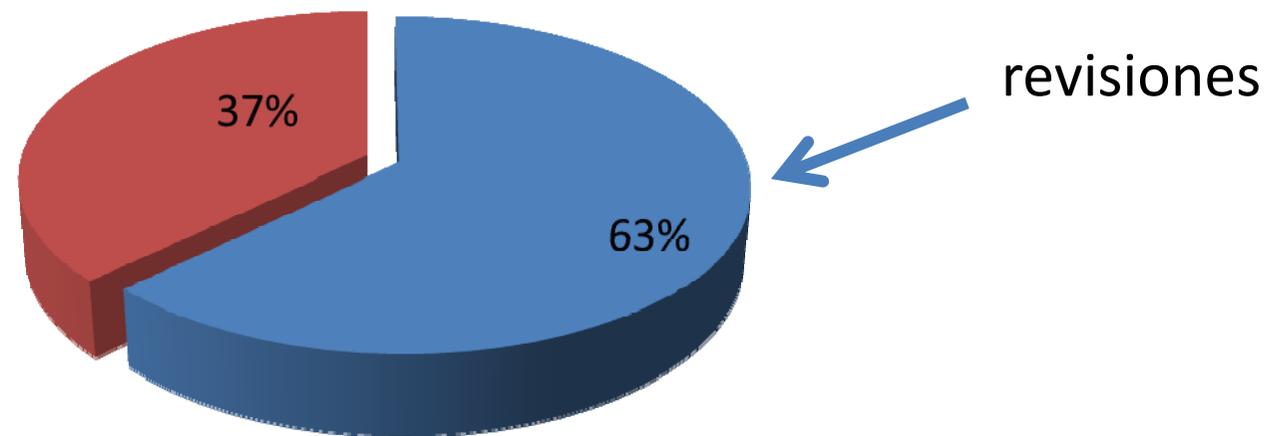


Bendamustina en LF y LCM

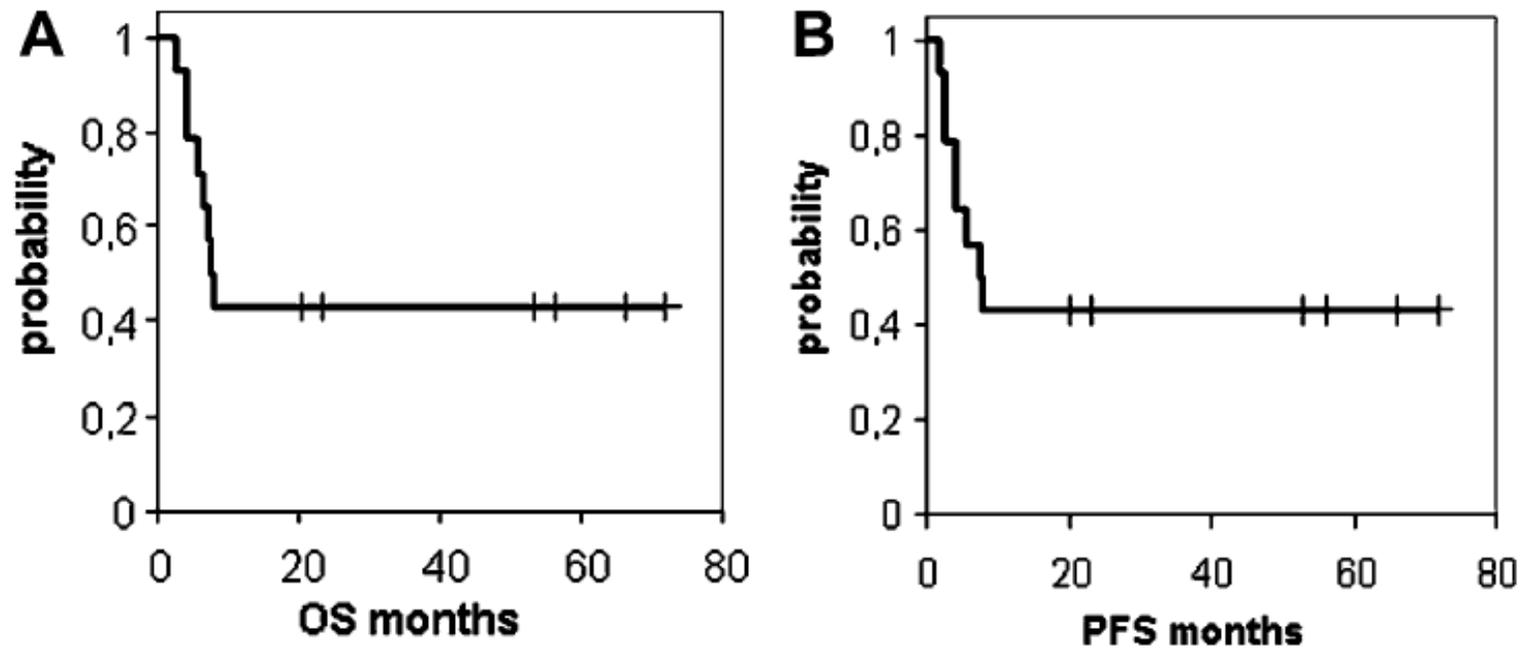


Información disponible sobre bendamustina

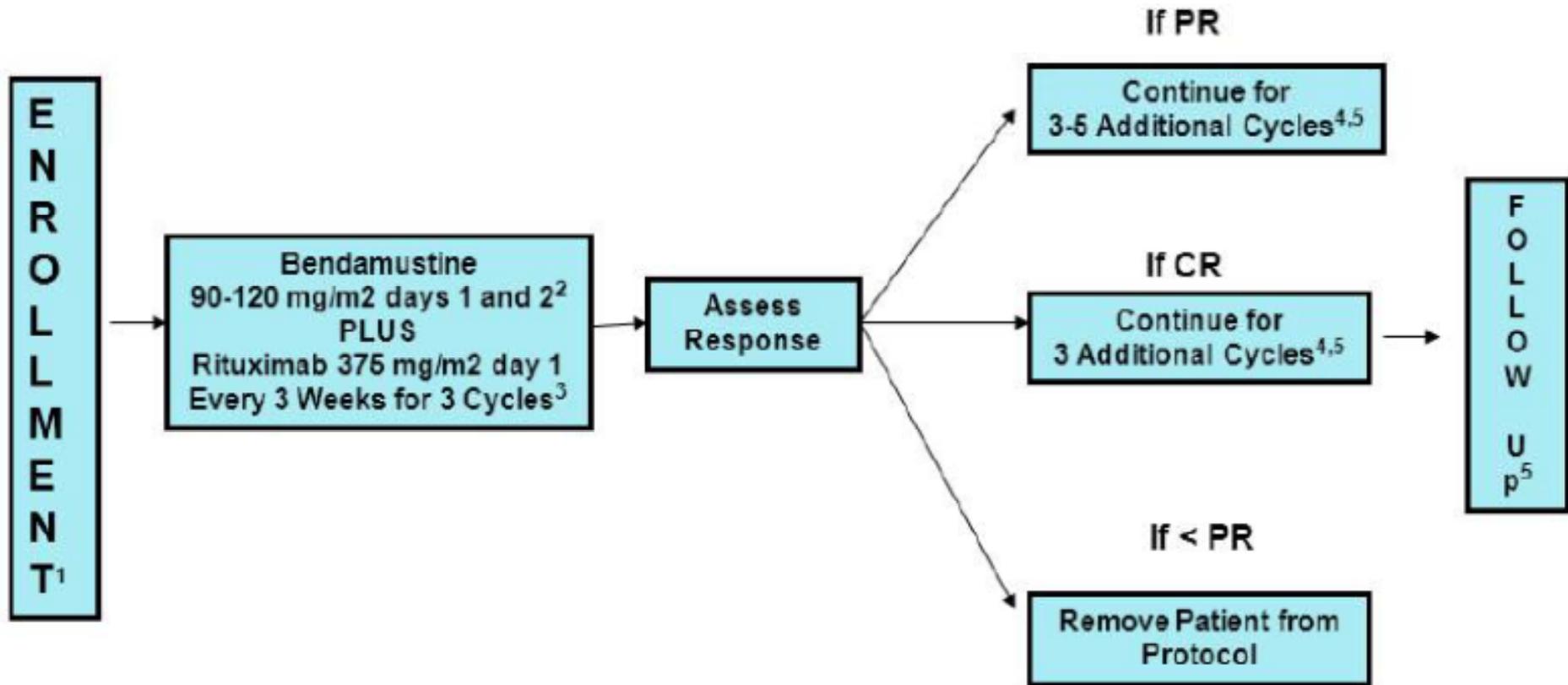
- PubMed: 'Bendamustine, indolent lymphoma' → 62 resultados



Bendamustina en LDCG-B



Bendamustina en LDCG-B



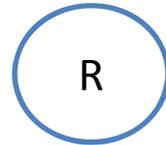
Lenalidomida-R en linfoma indolente

Histology	Response Rates		
	CR/CRu	PR	ORR
FL (n = 30)	83%	10%	93%
SLL/CLL (n = 5)	40%	40%	80%
Marginal zone lymphoma (n = 13)	46%	16%	62%
Total (n = 48)	69%	14%	83%

Lenalidomida-R en LF

Combined Rituximab and Lenalidomide Treatment for Untreated Patients
With Follicular Lymphoma (RELEVANCE)

LF grado 1, 2 o 3a,
Estadio II-IV
LF sintomático
Edad ≥18 years
ECOG: 0-2



Lena-R

CHOP-R

CVP-R

Bendamustina-R

Lenalidomida en LDCG-B

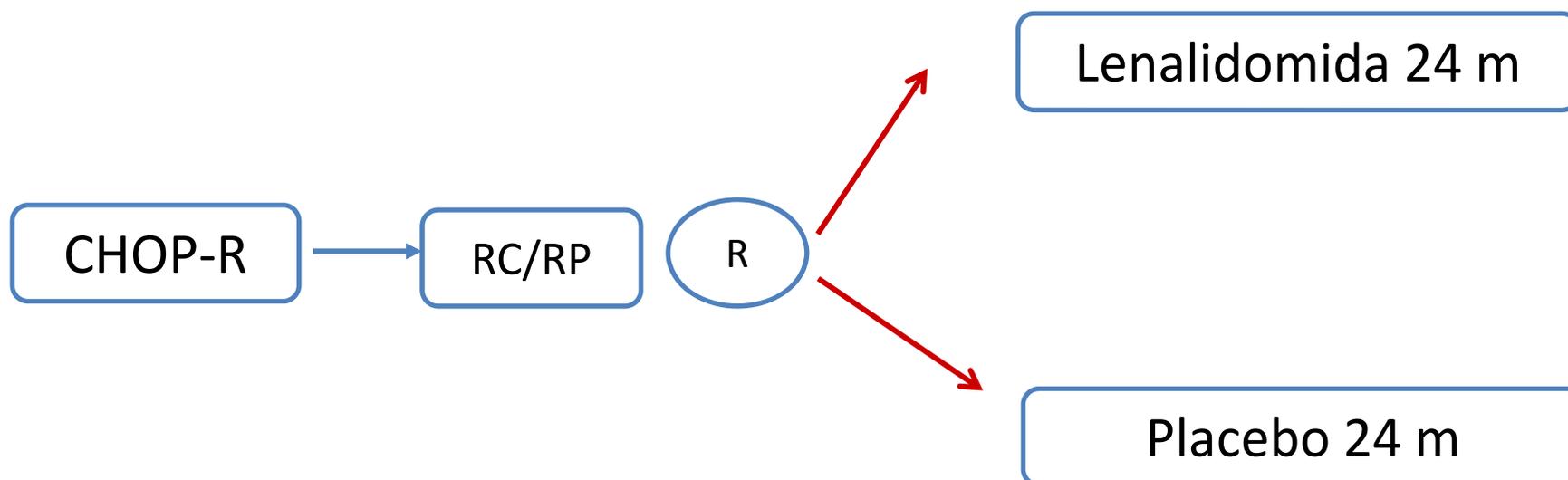
- Fase II
- 23 pacientes (>65 a) con LDCG-B en recaída
- Lenalidomida-rituximab x 4 → mantenimiento lenalidomida 8 meses
- Respuesta global: 7RC + 1RP (35%) → 10 mantenimiento: 8 RC

Previous Treatments	Status at Enrolment	Duration of Complete Response, Months
VNCOP-B-R; Ibritumomab tiuxetan	Relapsed	18
MACOP-B-R; IEV; ASCT; Ibritumomab tiuxetan	Refractory	18
VNCOP-B-R; Rituximab	Relapsed	17
R-CHOP; Ibritumomab tiuxetan; Gemcitabine	Relapsed	16
R-CHOP; IEV; Radiotherapy	Refractory	17
R-CHOP; IEV; ASCT	Relapsed	16
VNCOP-B-R; Rituximab; Gemcitabine	Relapsed	16
R-CHOP; Vincristine; Rituximab	Relapsed	14

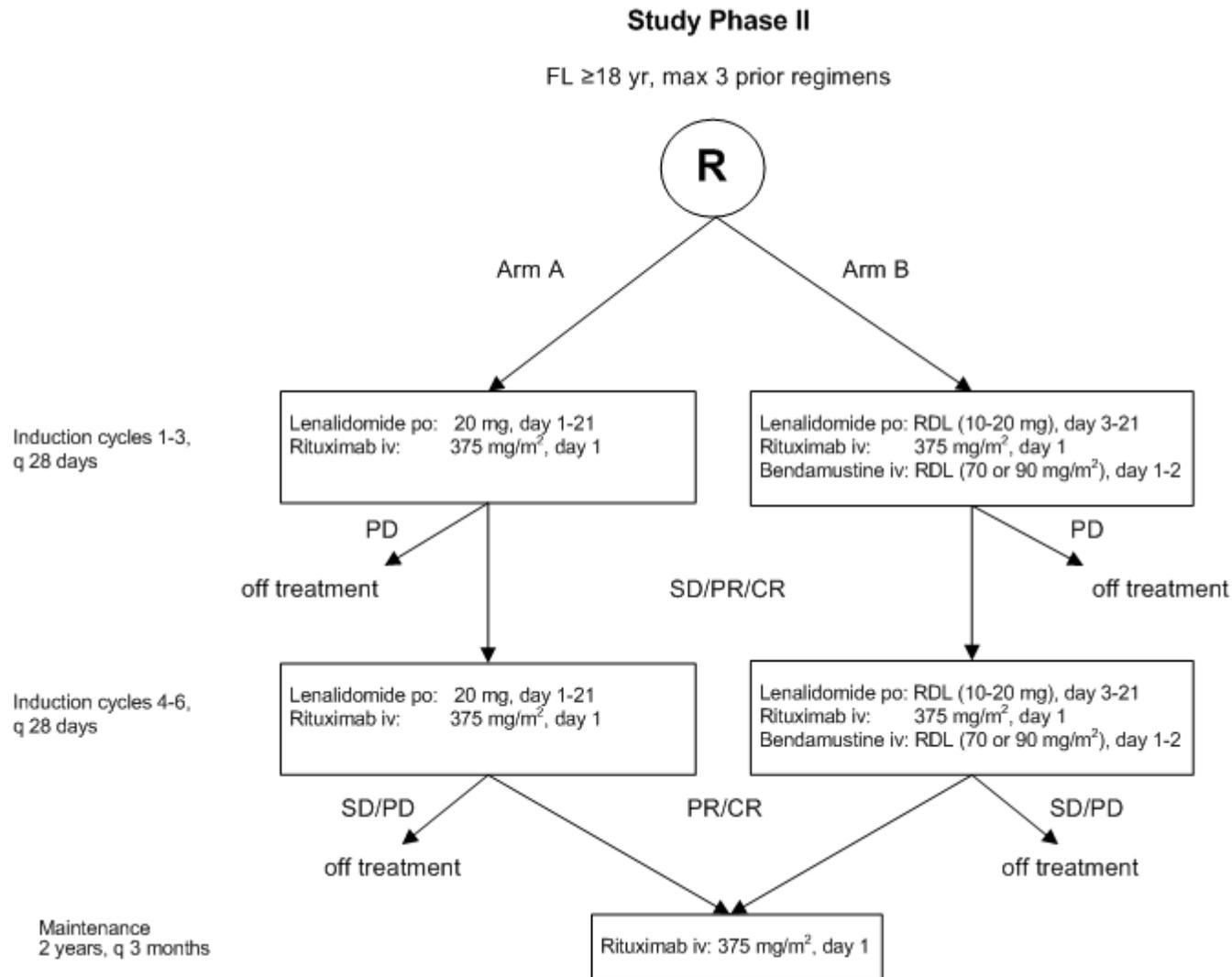
Zinzani PL et al, Clin Lymphoma Myeloma Leuk, 2011

Lenalidomida en LDCG-B

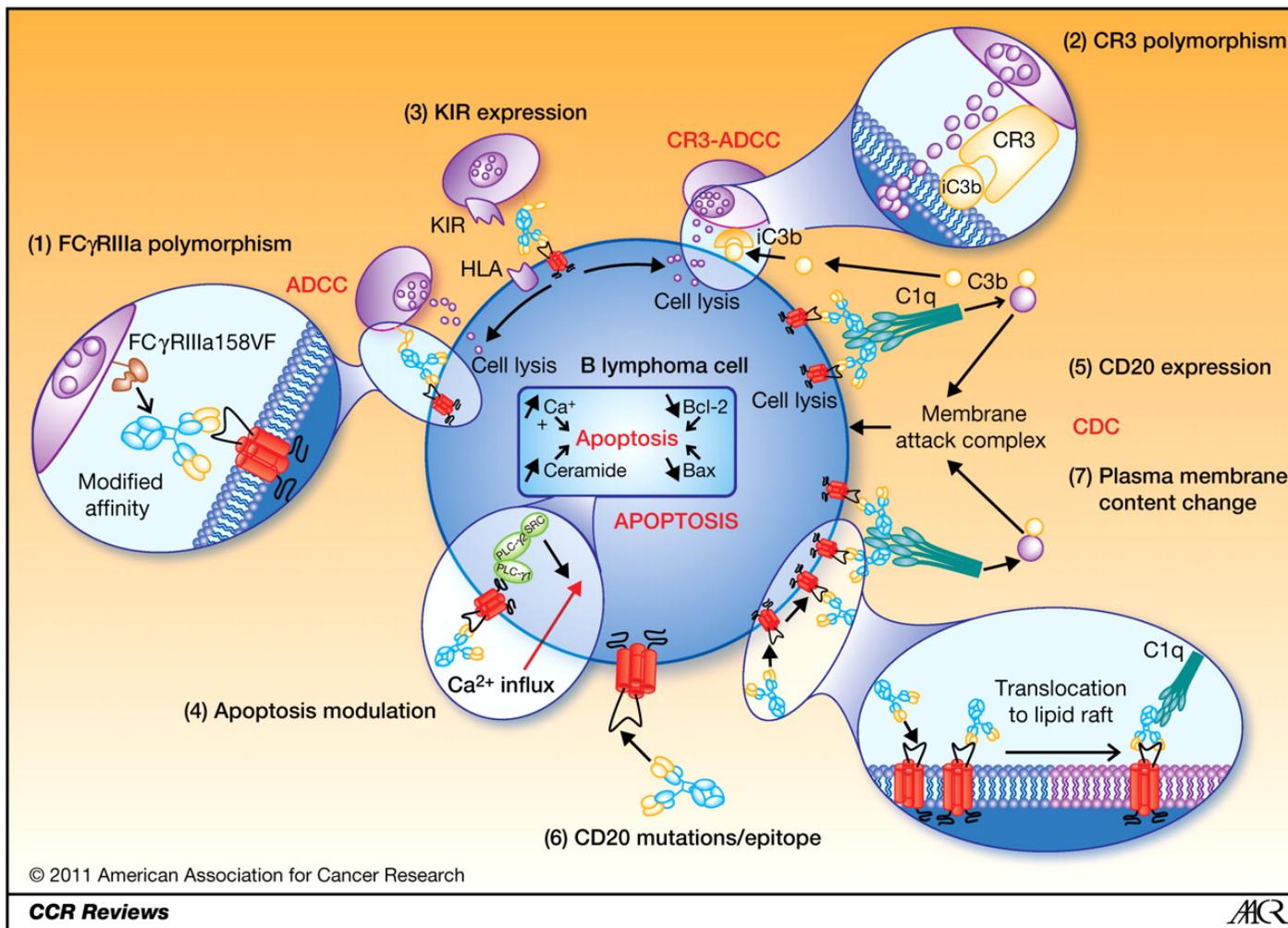
REMARCA: 1a línea, LDCG-B, 60-80 a



O en combinación...

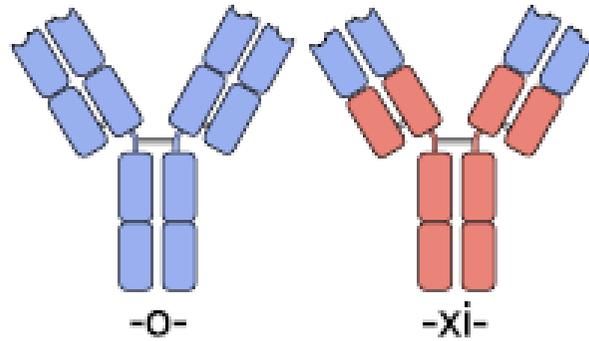


Mejores anti-CD20: resistencia a rituximab

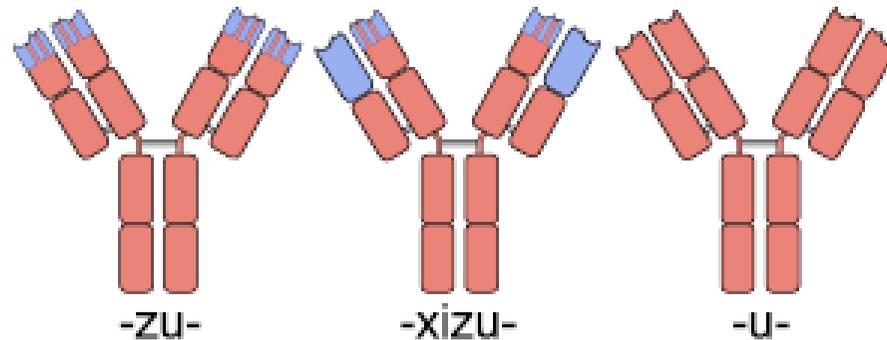


'Nuevos' anti-CD20

Murino:
tositumOmab (B1)
ibritumOmab tiuxetan



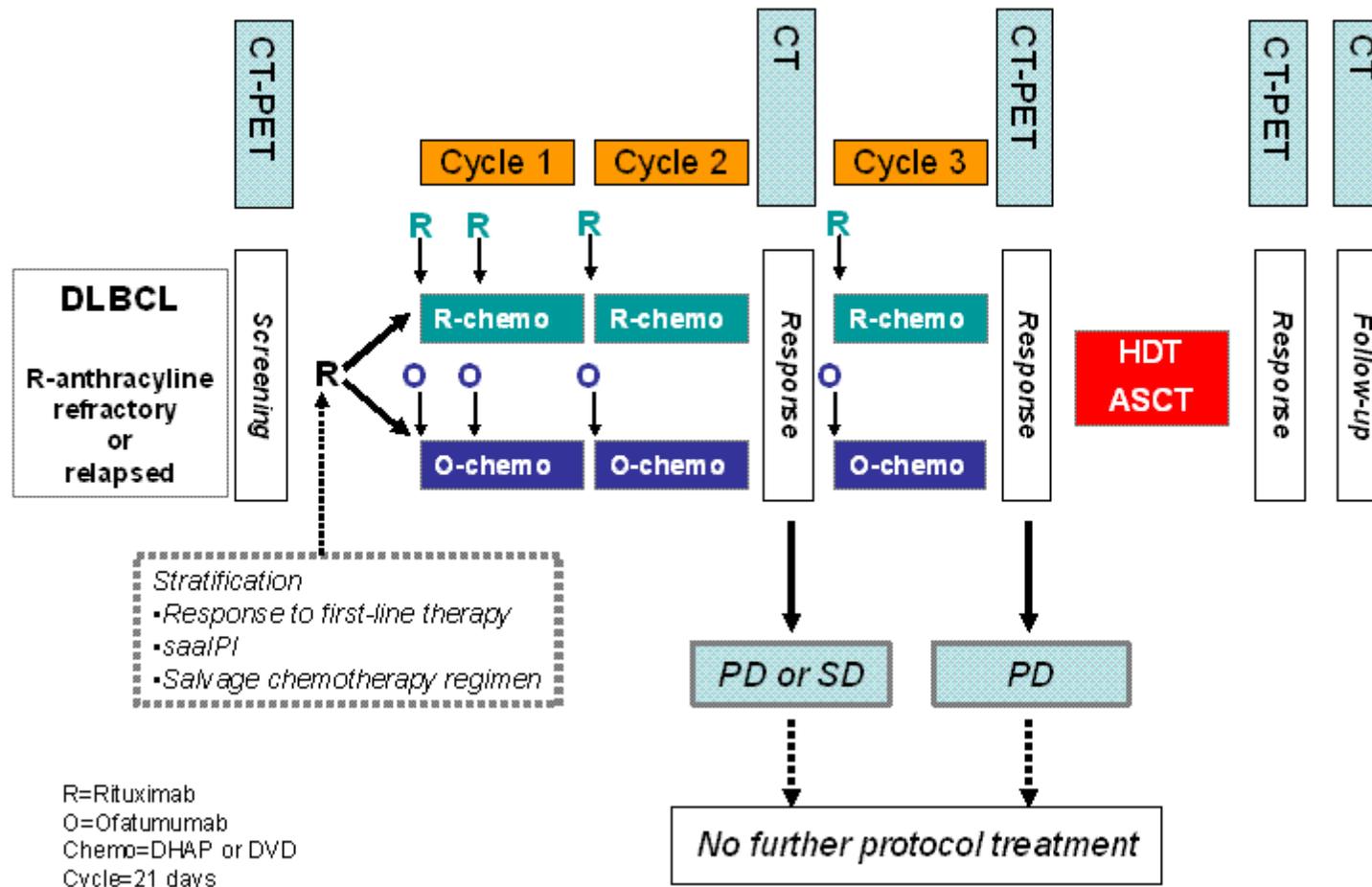
Quimérico: rituxImab



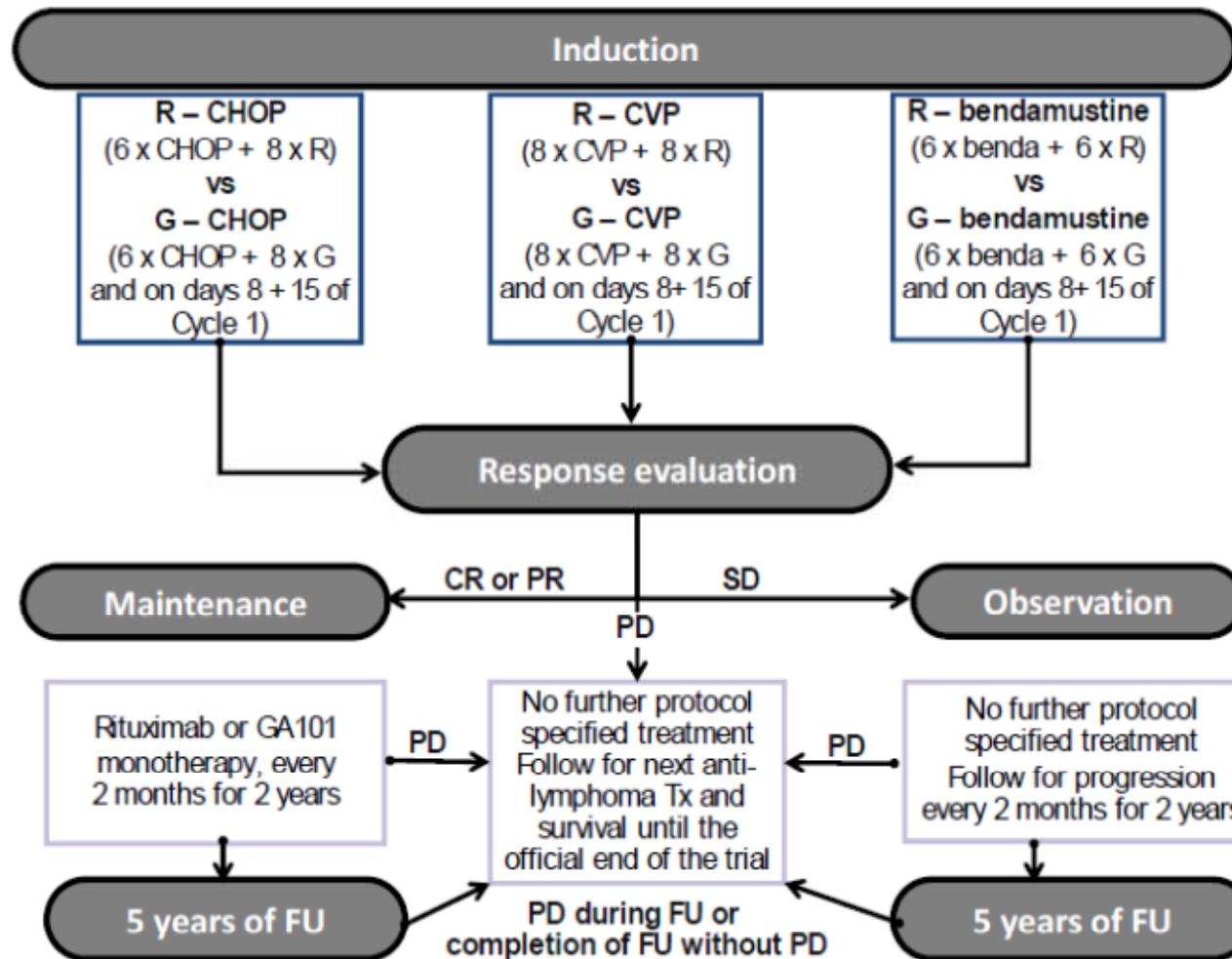
Humanizado:
veltuZUmab (2a generación)
obinutuZUmab: GA101 (3a generación)

Humano: ofatumUmab (2a generación)

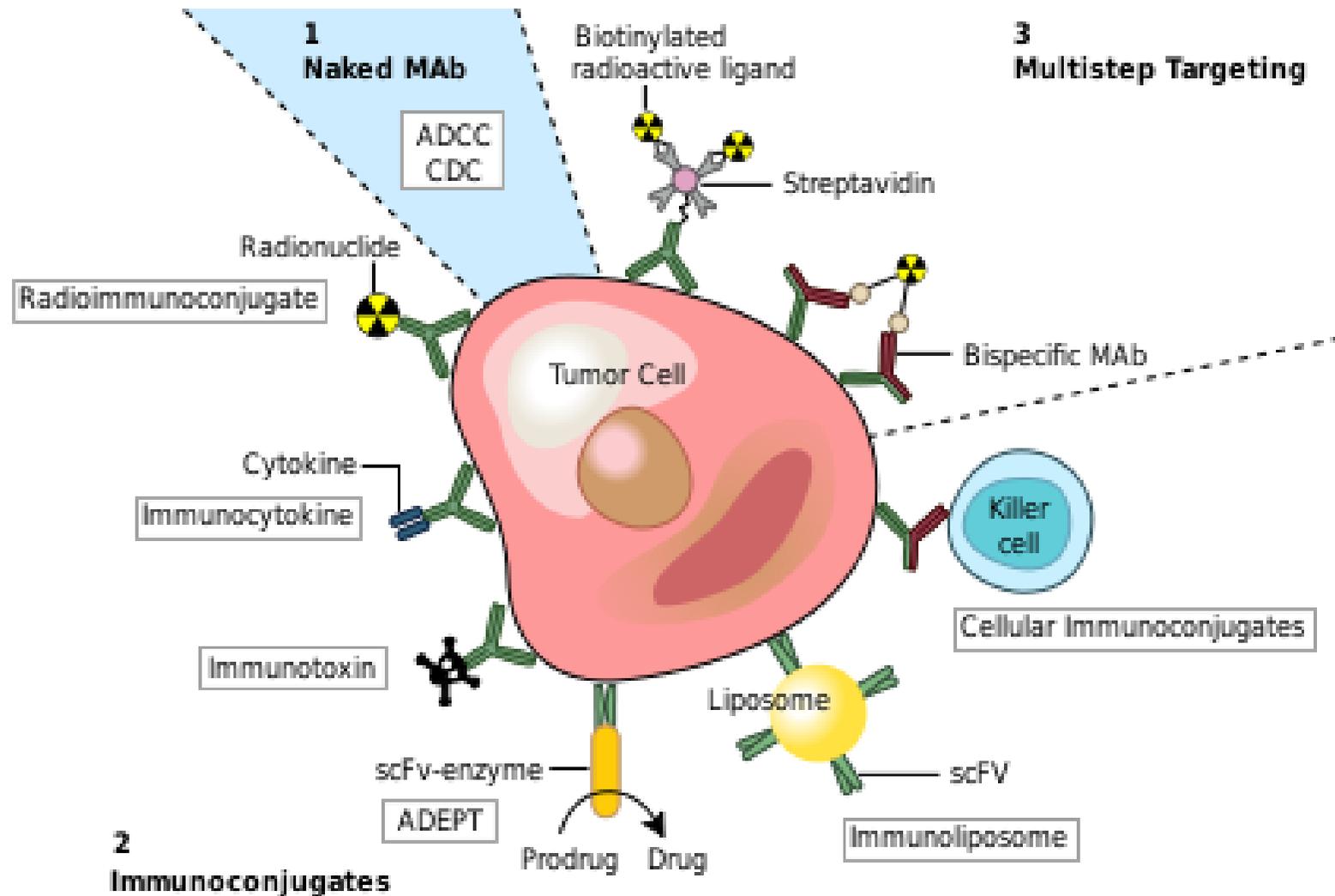
Nuevos anti-CD20: ofatumumab



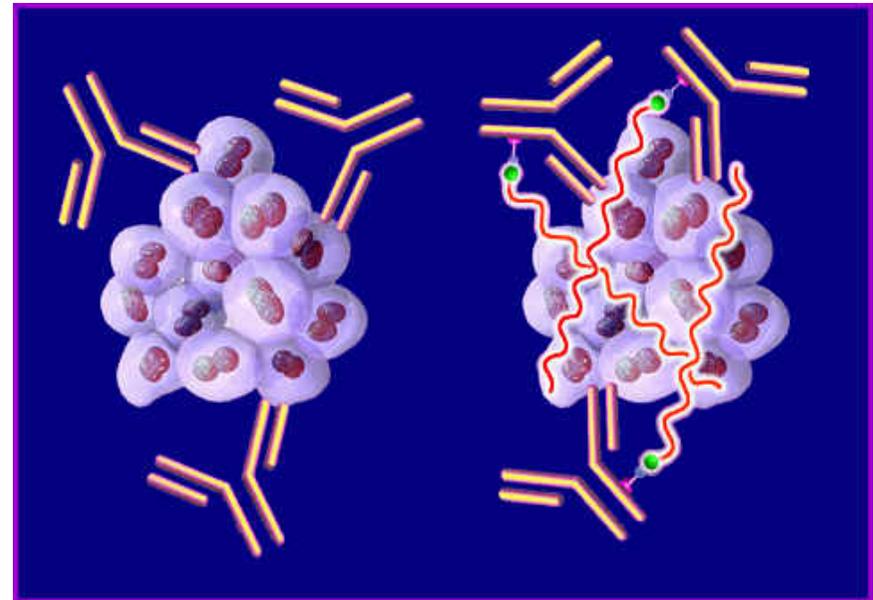
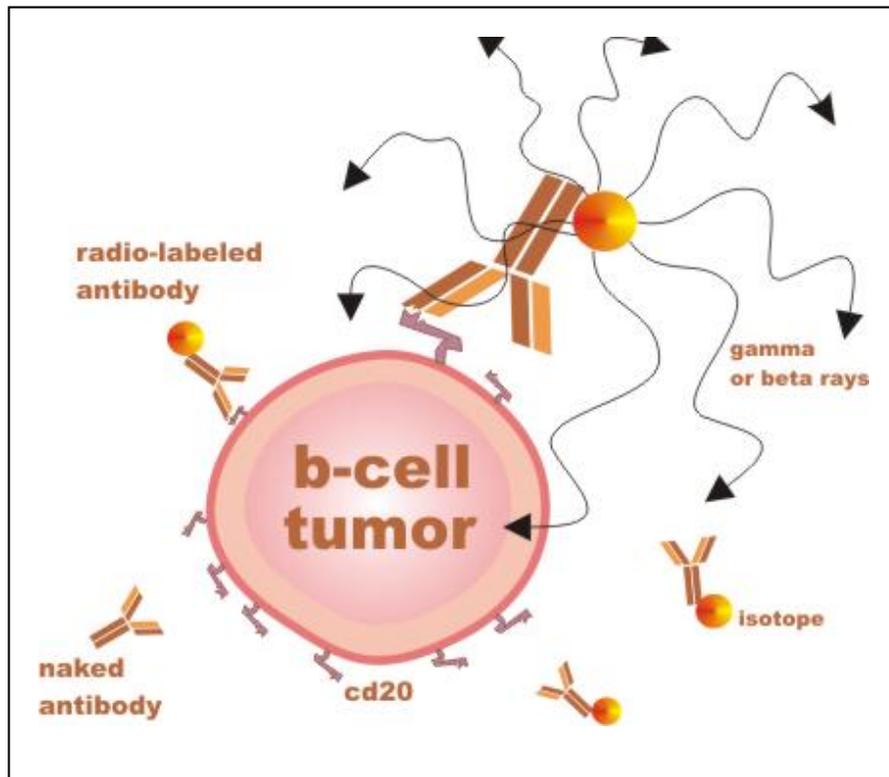
Nuevos anti-CD20: obinutuzumab (GA-101)



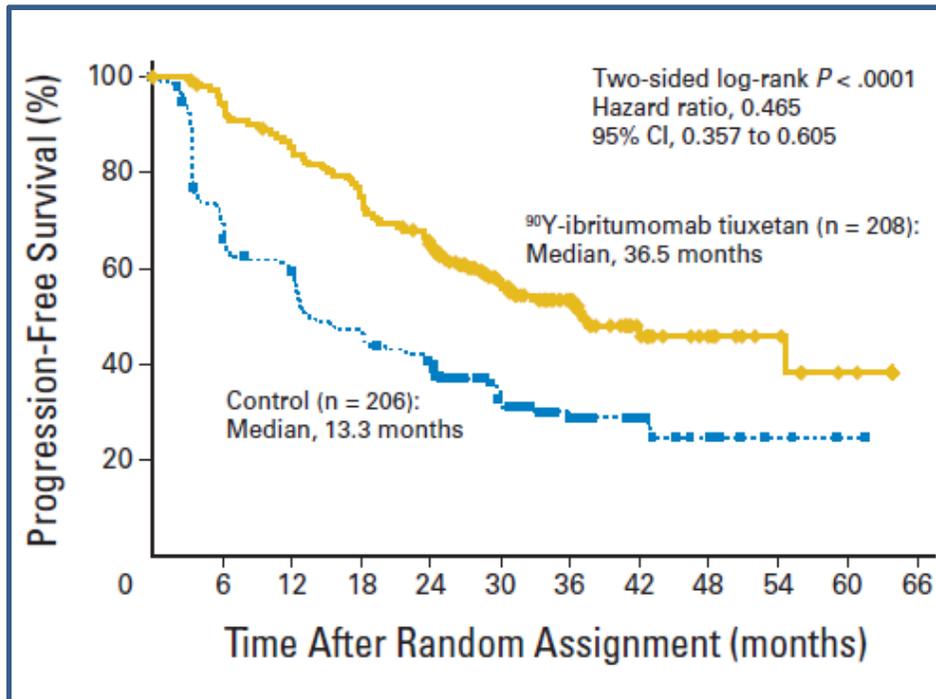
Algo más que un AcMo



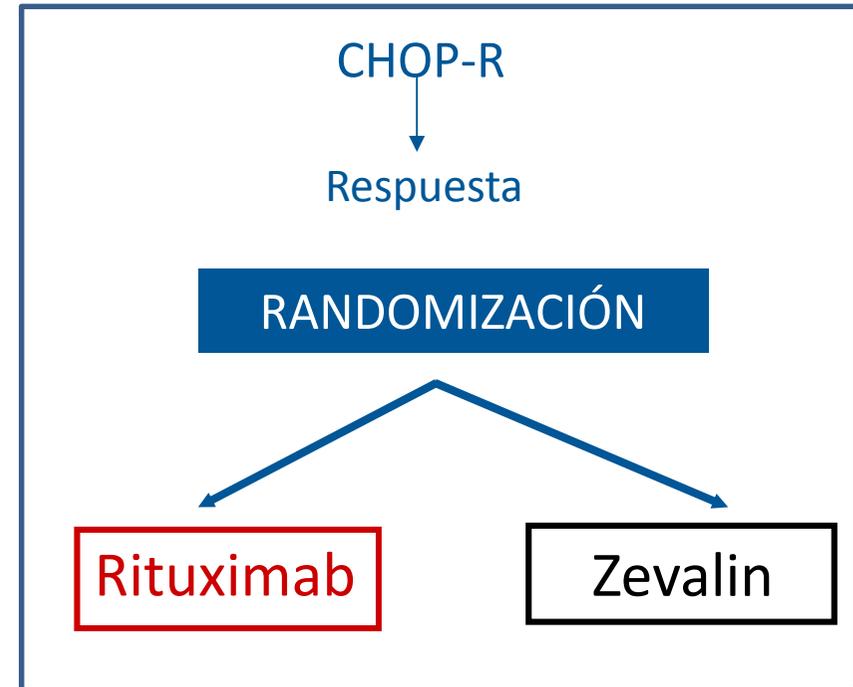
Radio-immunoterapia



RIT en LF

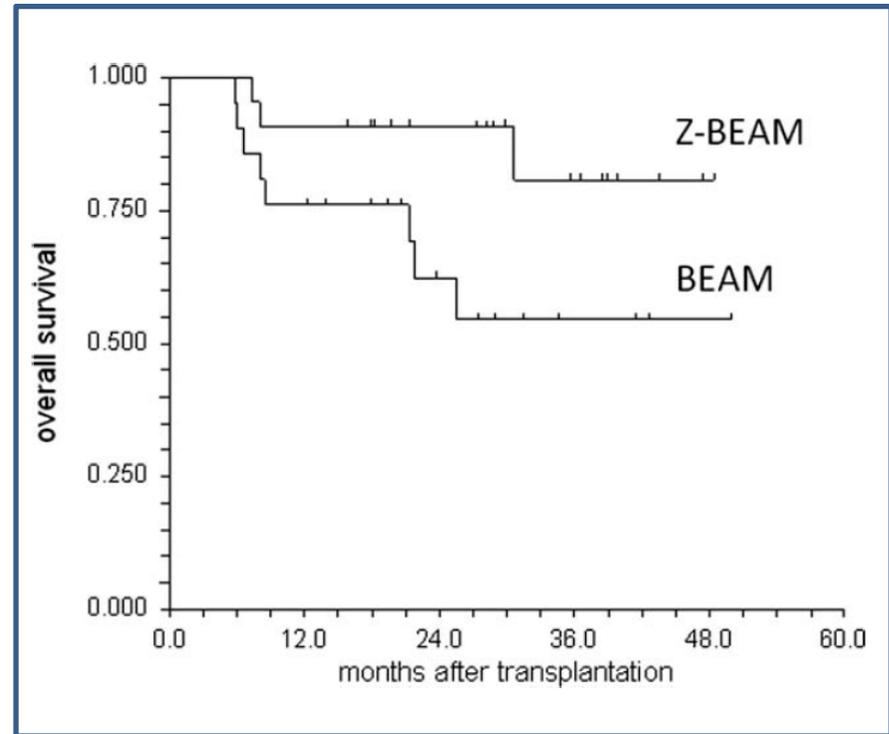
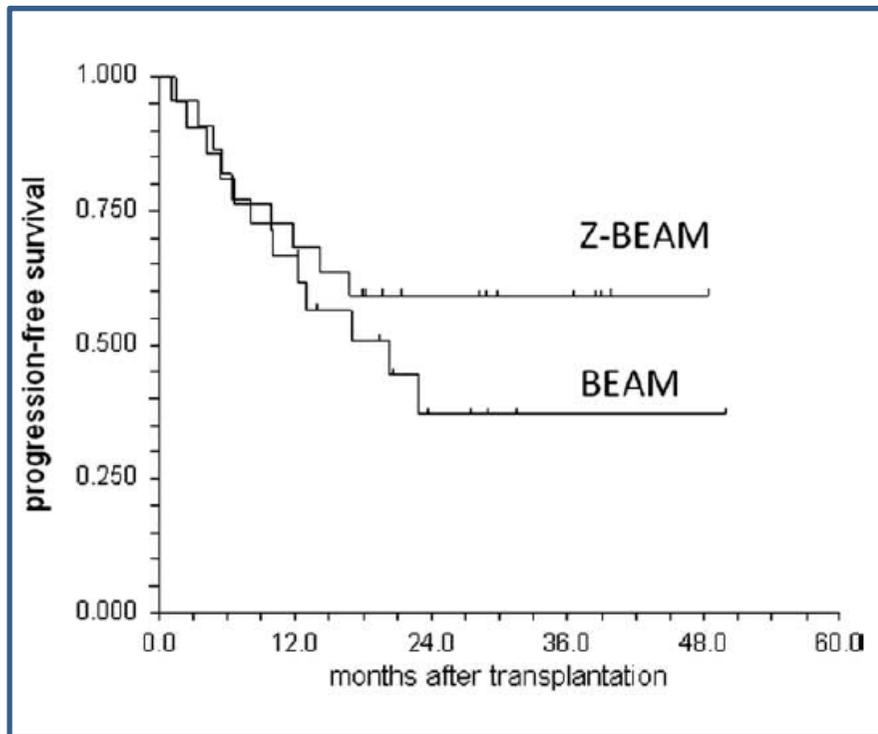


Morschhauser et al, J Clin Oncol, 2008

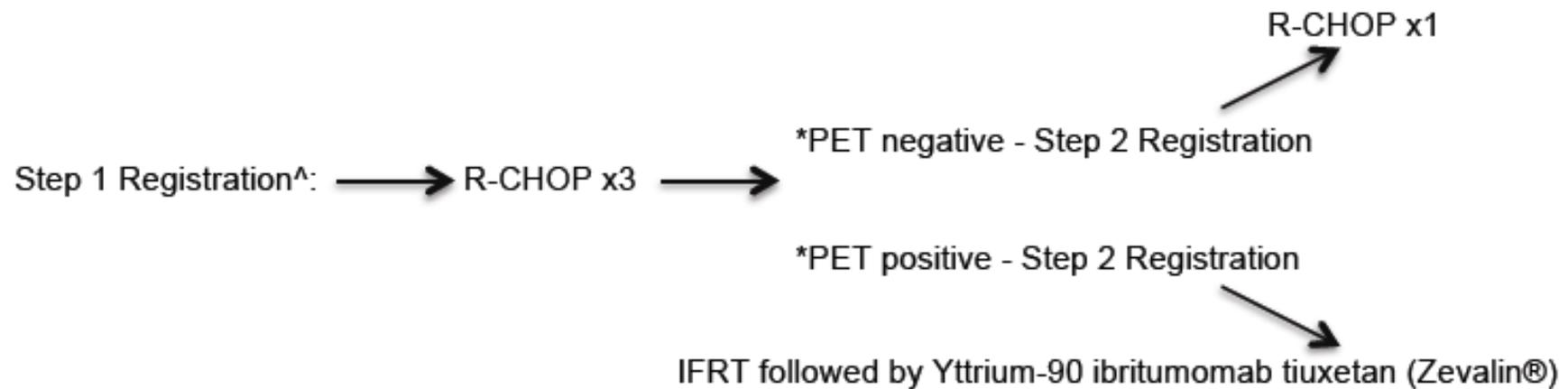


ZAR 2007

RIT en LDCG-B



RIT en LDCG-B: SWOG S1001



¿Y para el futuro?

- Más AcMo
 - CMC-544
 - Blinatumomab
- Más 'terapia dirigida'
 - Inhibidores de BTK
 - Inhibidores de PI3K (CAL101)
 - Anti-BCL2

Conclusiones

- Impacto de rituximab en el pronóstico de los pacientes con linfomas B
- Bendamustina, primera línea en LF
- ¿Bortezomib y lenalidomida, los siguientes en incorporarse a la 1a línea?