

Caso Clinico – Linfoma Follicolare

Beatrice Casadei

IRCSS - Azienda Ospedaliero Universitaria Sant'Orsola, Bologna





Hotel Albani

.

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HOT

Disclosures of Beatrice Casadei

Company name	Research support	Employee	Consultant	Stockholder	Speakers bureau	Advisory board	Other
Abbvie					х	х	
Gilead					х	x	
Takeda						x	
Janssen						x	
BMS-Celgene						x	
BeiGene						x	
Incyte							x
Novartis					x		
Lilly						x	
Roche					х		



M.E.M, MALE, 02/10/1975

Past medical history:

- Occult HBV infection → Lamivudine
- Hypothyroidism \rightarrow Levothyroxine
- Non-Functioning Pituitary Adenomas

Diagnosis: September 2006

- Inguinal lymph node biopsy: Follicular Lymphoma grade 1
- Stage IVA (bone marrow), FLIPI: 1
- GELF criteria: \geq 3 nodal sites involved with a diameter of >3 cm



WHICH THERAPY WOULD YOU HAVE CHOSEN?

- 1) R-CHOP
- 2) R-CVP
- 3) R-FM
- 4) **R-BENDAMUSTINE**
- 5) Chlorambucil

6) Clinical Trial

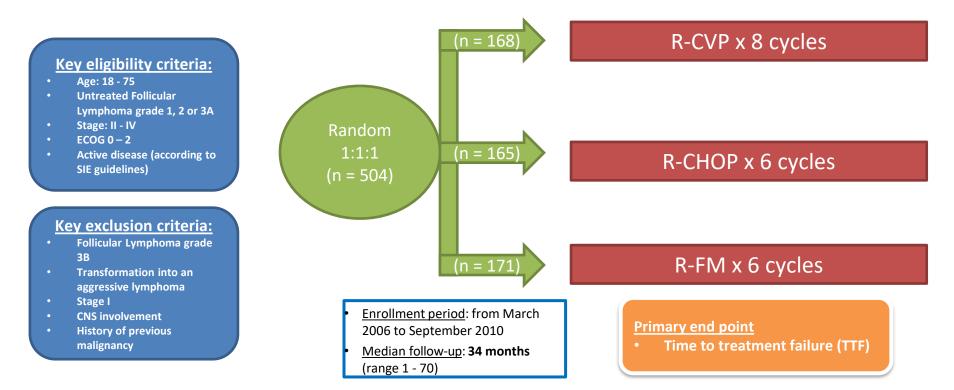
Minimum Clinical Recommendations for diagnosis, treatment and follow-up of newly diagnosed follicular lymphoma, Hiddeman W. et al, Annals of Oncology 2005

FOLL05 Trial: prospective, randomized, open-label, multicenter phase III trial including untreated patients with advanced stage symptomatic FL

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FIRST LINE: FOLL05 TRIAL (phase 3)

• R-CVP x 8 cycles \rightarrow CR (2007)

- Axillary lymph node biopsy: Follicular Lymphoma, grade 1/2
- Stage IVA (bone marrow)

WHICH THERAPY WOULD YOU HAVE CHOSEN?

- 1) R-CHOP
- 2) R-Bendamustine

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3) Ibritumumab - Tiuxetan

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- 4) High-Dose Chemotherapy (R-IEV/R-ICE/R-DHAP) + ASCT
- 5) Clinical Trial

SECOND LINE: STANDART TX

- R-CHOP X 6 cycles \rightarrow CR (2012)
- Consolidation with ASCT:

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- Cyclophosphamide 4 g/mq and HSC Harvesting \geq
- BEAM + ASCT $(14/05/2012) \rightarrow$ CR (September 2012) \triangleright

2° Relapse: 11/12/2020 (+ 8 aa)

- Abdominal lymph node biopsy: Follicular Lymphoma, grade 1/2 •
- **Stage IVA** (bone marrow, skeleton) •

WHICH THERAPY WOULD YOU HAVE CHOSEN?

1) Obinutuzumab - Bendamustine

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- 2) Rituximab Lenalidomide
- 3) Clinical trial

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- 4) High-Dose Chemotherapy (R-IEV/ R-ICE/R-DHAP)
- 5) Idelalisib

Newly diagnosed and relapsed follicular lymphoma: ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up. Dreyling M. et al, Annals of Oncology 2020

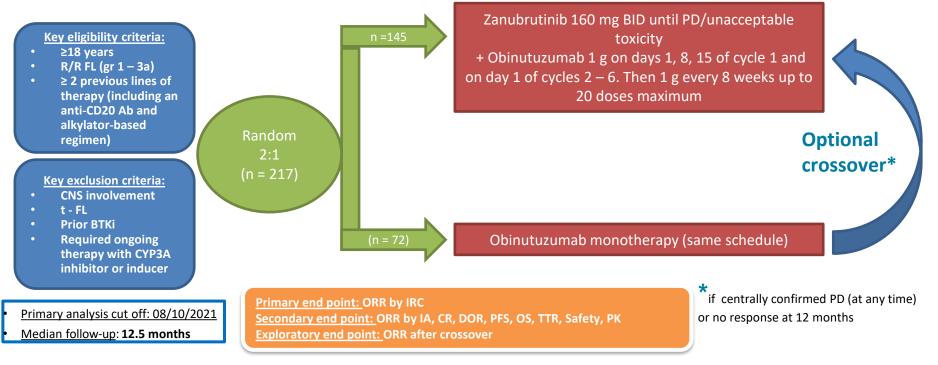
Firenze, 12 Settembre 2023 Hotel Albani

BGB 3111 – 212_ROSEWOOD trial: an international, phase 2, open-label, randomized study of zanubrutinib + obinutuzumab vs obinutuzumab monotherapy in r/r FL

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BGB 3111 – 212: Obinutuzumab + Zanubrutinib: ROSEWOOD trial

Patients characteristics	ZO (n = 145)	O (n = 72)
Median age (years)	64	64
Median number of previous lines of therapy	3	3
> 3 previous lines of therapy (%)	28	25
High FLIPI (%)	53	51
Refractory to any previous anti-CD20 therapy (%)	54	50
Refractory to last line of therapy (%)	32	40
POD 24	28	32

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Results	ZO (n = 145)	O (n = 72)		
ORR (%)	68.3	45.8		
CRR (%)	37.2	19.4		
18 – mo DOR (%)	70.9	54.6		
Median PFS (mo.)	27.4	11.2		
Median time to new anti-lymphoma therapy or crossover (mo.)	NR	12.1		
18 – mo OS (%)	85.4	72.6		
29 patients crossed over: ORR 24.1%				

ROSEWOOD: A phase II randomized study of Zanubrutinib plus obinutuzumab versus Obinutuzumab Monotherapy in patients with relapsed or refractory follicular lymphoma. Zinzani P.L et al, 2023 J Clin Oncol.

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BGB 3111 – 212: Obinutuzumab + Zanubrutinib: ROSEWOOD trial

Any grade AE in the ZO	% of patients			
cohort		Grade ≥3 AE in the ZO cohort	% of	
Thrombocytopenia	34.3		patients	
	ν	Neutropenia	22.4	
Neutropenia	27.3			
		Thrombocytopenia	14%	AE leading to death: 5.6% (ZO
Diarrhea	16.1			cohort) vs 9.9% (O cohort)
		Atrial Fibrillation	0.7	
Fatigue	14			
		Major bleeding	1.4%	
Cough	11.9			

Zanubrutinib + Obinutuzumab demonstrated superior efficacy to Obinutuzumab monotherapy in treatment of patients with R/R FL, with a favorable benefit-risk

> ROSEWOOD: A phase II randomized study of Zanubrutinib plus obinutuzumab versus Obinutuzumab Monotherapy in patients with relapsed or refractory follicular lymphoma. Zinzani P.L et al, 2023 J Clin Oncol.

THIRD LINE: CLINICAL TRIAL (phase 2)

Obinutuzumab + Zanubrutinib (BGB 3111 - 212) x 10 cycles from 26/01/2021 to $28/10/2021 \rightarrow ORR: CR$

- PET-FDG after 3° cycle: PR
- PET-FDG after 6° cycle: CR
- PET-FDG after 10° cycle: CR
- BOM after 10° cycle: negative for lymphoma

Adverse events:

• Oral and genital HSV reactivation (during cycle 9)

WOULD YOU HAVE CONSOLIDATE?

Allo - SCT

• **DONOR**: 24 years male, matched unrelated (MUD), HLA 10/10

NELLE SINDROMI LINFOPROLIFERATIVE:

• SOURCE OF HSC: PBSC

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- **BLOOD TYPE**: AB0 minor incompatibility (Donor 0+/Recipient B+)
- CMV SIEROLOGY: donor lgG-/recipient lgG+

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- CONDITIONING REGIMEN: Thiotepa, Fludarabine, Cyclophosphamide (from 11/11/2021 to 14/11/2021)
- GVHD PROPHYLAXIS: ATG 6 mg/kg (from day 6 to day 2), CSA 3 mg/kg/die (from day 1), MTX 10 mg/m² on day + 1, + 3 and +

6.

- INFUSION: 17/11/2021
- → 6.94 x 10⁸/kg total nucleated cells
- \rightarrow 5.76 x 10⁶/kg CD34+ cells
- → 145.8 x 10⁶/kg CD3+ cells



Allo - SCT

ACUTE COMPLICATIONS:

- 1. Parainfluenza virus type 3 infection \rightarrow symptomatic treatment
- 2. S. epidermidis infection \rightarrow Daptomycin + Piperacillin Tazobactam
- 3. Deep vein thrombosis of the right internal jugular vein \rightarrow LMWH

CHRONIC COMPLICATIONS:

- 1. + 3 months: COVID infection with mild symptoms \rightarrow Sotrovimab early treatment
- 2. No GVHD occurred

EVALUATION OF DISEASE:

- → PET-FDG + 3 months: CR. FISH 99.4% donor. Blood type 0+ (donor)
- → PET-FDG + 6 months: CR. FISH 100% donor
- → PET-FDG + 12 months: CR