

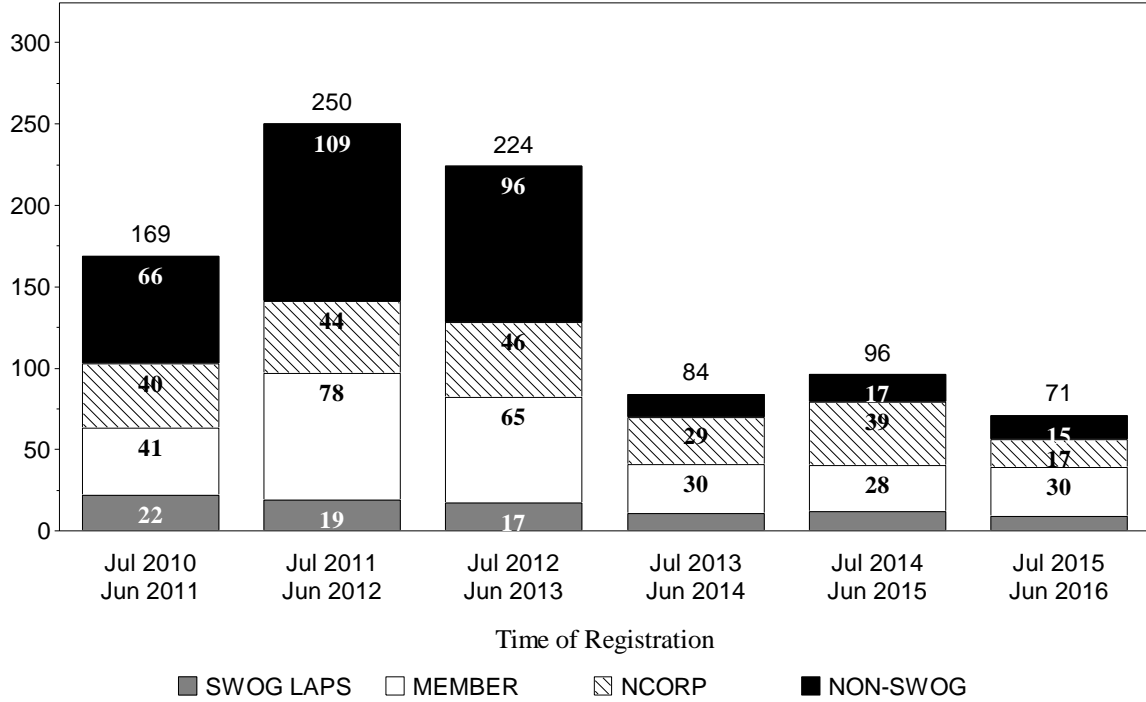
LYMPHOMA COMMITTEE

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Patient Registrations to Studies

By 12 Month Intervals
LYMPHOMA COMMITTEE



Screening registrations and registrations to Biologic only studies are excluded

Patient Registrations by Study and Arm

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	<u>Jan 2016</u> <u>Jun 2016</u>	<u>Jul 2015</u> <u>Dec 2015</u>	<u>Jan 2015</u> <u>Jun 2015</u>	<u>All</u> <u>Patients</u>
S1001 DLBCL, I-II, PET-Adapted Therapy				
Initial registration				
R-CHOP x 3	11	20	20	155
R-CHOP x 6	3	0	0	4
	<u>14</u>	<u>20</u>	<u>20</u>	<u>159</u>
PET-Directed Therapy				
Continued R-CHOP	19	17	14	134
IFRT + Zevalin	1	0	0	12
	<u>20</u>	<u>17</u>	<u>14</u>	<u>146</u>
9177 NHL, Dose-adj. EPOCH+/-Rituximab*				
Total Registrations	0	1	0	19
C51101 CNS, Myelo/Non-myelo Chemo, PhII*				
Total Registrations	0	0	2	5
E1411 MCL, RB+R, RBV+R, RB+LR, RBV+LR*				
Total Registrations	9	18	17	82
E1412 DLBCL, R2CHOP vs RCHOP*				
Total Registrations	9	0	18	35

* For non-SWOG coordinated studies only SWOG registrations are shown.

S1001 Phase II

Coordinating Group: SWOG

A Phase II Trial of PET-Directed Therapy for Limited Stage Diffuse Large B-Cell Lymphoma (DLBCL)

Participants:

SWOG, CTSU (Supported by Alliance, ECOG-ACRIN)

Date Activated:

07/15/2011

Study Chairs:

D Persky, S Park (Alliance), L Swinnen (ECOG-ACRIN)

Date Closed:

06/01/2016

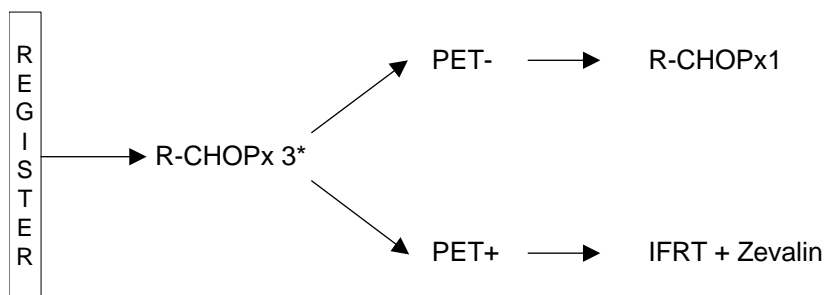
Statisticians:

M LeBlanc, H Li

Data Coordinator:

J Jardine

SCHEMA



*All patients who are early stage by CT but advanced stage by PET/CT at baseline will receive R-CHOPx6

Objectives

To assess the five-year progression-free survival (PFS) rate in patients with newly diagnosed limited stage diffuse large B-cell lymphoma using PET scan to direct therapy after three cycles of R-CHOP.

To evaluate progression-free survival within the PET+ and PET- subgroups of patients with newly diagnosed limited stage diffuse large B-cell lymphoma (DLBCL).

To evaluate the toxicity of this treatment regimen in this patient population.

To evaluate the response probability in this patient population.

To evaluate overall survival (OS) in the overall population, and within the PET+ and PET- subgroups.

To estimate the rate of upstaging at baseline by PET among patients newly diagnosed with limited stage diffuse large B-cell lymphoma by CT imaging and describe outcomes in patients upstaged by PET at baseline to advanced DLBCL.

To evaluate the association of germinal center B-cell subtype (GCB) vs stromal-1 vs stromal-2 gene expression signatures with PFS and OS.

Patient Population

Patients must have non-bulky Stage I or II de-novo diffuse large B-cell non-Hodgkin's lymphoma (DLBCL) which is positive for CD20. Patients who have Stage I or II non-bulky disease based on diagnostic CT scan, but are upstaged to Stage III or IV based on FDG-PET evaluation, are also eligible. Patients with primary mediastinal lymphoma, testicular lymphoma, prior or simultaneous diagnosis of indolent lymphoma, or post-transplant lymphoproliferative disorder with DLBCL morphology are not eligible. Patients may have either measurable or evaluable limited-stage DLBCL. Patients rendered free of measurable or evaluable disease by virtue of biopsy (resection) are also eligible. Patients with CNS involvement are not eligible.

Patients must not have received prior chemotherapy, radiation therapy, or antibody therapy for lymphoma.

Patients must be at least 18 years of age and have a Zubrod performance status of 0-2. Patients must have adequate renal, hepatic, cardiac and hematologic function. Patients known to be HIV-positive are not eligible.

Stratification/Descriptive Factors

For registration step 1, patients will be described by advanced stage based on local review of the baseline PET/CT: yes vs no.

For registration step 2, patients will be described by the positive PET/CT after three cycles of R-CHOP based on centralized review: yes vs no.

Accrual Goals

Assuming an ineligibility rate of 10%, we anticipate needing to accrue 155 patients in order to obtain 140 eligible patients. Assuming that 15% of eligible patients will have been upstaged at baseline by PET, we expect that 120 patients will receive PET-directed therapy. We further expect that 30 of these patients will be PET-positive, assuming a PET-positive rate

of 25%. If the actual rate of PET-positivity is less than 25%, accrual will continue until 30 eligible patients in the FDG-PET-positive subgroup are enrolled.

Summary Statement

This study was closed to accrual on June 1, 2016, after a total accrual of 159 patients, including one patient who was upstaged to advanced stage DLBCL based on local review of the baseline PET/CT. Two patients are ineligible for initial registration, one due to incorrect histology and one due to no required baseline specimens submitted for pathology review.

One hundred fifty-one patients have been assessed for toxicities on initial R-CHOPx3 therapy. One patient died of sepsis five days after the last date of treatment during the first cycle of treatment. Upon review, this was found to be probably related to protocol treatment. This patient also experienced Grade 4 hematologic toxicities and febrile neutropenia. An additional 26 patients experienced Grade 4 hematologic toxicities, three of whom also experienced Grade 4 non-hematologic toxicities: febrile neutropenia (2), hyponatremia, and sepsis.

The patient on R-CHOPx6 therapy did not experience Grade 3 or greater toxicities.

One hundred forty-six patients have been registered to PET-directed therapy, 134 of whom were interim PET-negative and registered to the continued R-CHOP therapy, and 12 of whom were interim PET-positive and registered to the IFRT + Zevalin therapy. One PET-negative patient is ineligible due to being ineligible at Step 1. Major protocol deviations are coded for two PET-negative patients who did not receive any PET-directed R-CHOP therapy; these two patients are not evaluable for toxicities related to PET-directed therapy.

Among 123 patients on the continued R-CHOP arm that have been assessed for toxicities, one patient died from hypoxia, which was possibly attributable to treatment, and had also experienced Grade 4 neutropenia and respiratory, thoracic and mediastinal disorders. Eleven additional patients on this arm experienced treatment-related Grade 4 hematologic toxicities, one of whom also experienced Grade 4 secondary leukemia. Two of the 11 patients assessed for toxicities on the IFRT + Zevalin arm experienced Grade 4 hematologic toxicities.

Registration by Institution
 Initial Registration
 Registrations ending June 30, 2016

Institutions	Total Reg	Institutions	Total Reg
Alliance	40	Kentucky, U of	3
Rochester, Univ of	28	Fred Hutchinson CRC	2
ECOG-ACRIN	20	Greenville NCORP	2
Michigan CRC NCORP	8	Northwest NCORP	2
Arizona MC, U of	7	NRG	2
Upstate Carolina	7	St Luke's Mt State/PCRC NCORP	2
Kansas City NCORP	6	Virginia Mason MC/Northwest NCORP	2
Wichita NCORP	6	Essentia Hlth NCORP	1
Yale University	6	Montana NCORP	1
Loyola University	5	Southeast COR NCORP	1
City of Hope Med Ctr	4	Total (22 Institutions)	159
Hawaii MU-NCORP	4		

Registration, Eligibility, and Evaluability
 Initial Registration
 Registrations ending June 30, 2016; Data as of July 18, 2016

	TOTAL	R-CHOP x 3	R-CHOP x 6
NUMBER REGISTERED	159	158	1
INELIGIBLE	2	2	0
Insufficient Documentation	1	1	0
Irreversible	1	1	0
ELIGIBLE	157	156	1
Analyzable, Pend. Elig.	151	150	1
RESPONSE ASSESSMENT			
Determinable	137	136	1
Not Determinable	2	2	0
Too Early	18	18	0
ADVERSE EVENT ASSESSMENT			
Evaluable	152	151	1
Too Early	5	5	0

Patient Characteristics

Initial Registration

Registrations ending June 30, 2016; Data as of July 18, 2016

	R-CHOP x 3 (n=156)		R-CHOP x 6 (n=1)	
AGE				
Median	61.6		74.3	
Minimum	18.5		74.3	
Maximum	85.7		74.3	
SEX				
Males	80	51%	0	0%
Females	76	49%	1	100%
HISPANIC				
Yes	7	4%	0	0%
No	142	91%	1	100%
Unknown	7	4%	0	0%
RACE				
White	136	87%	1	100%
Black	6	4%	0	0%
Asian	10	6%	0	0%
Native American	1	1%	0	0%
Unknown	3	2%	0	0%
PET UPSTAGED				
Yes	0	0%	1	100%
No	156	100%	0	0%

Treatment Summary

Initial Registration

Registrations ending June 30, 2016; Data as of July 18, 2016

	TOTAL	R-CHOP x 3	R-CHOP x 6
NUMBER ON PROTOCOL TREATMENT	9	9	0
NUMBER OFF PROTOCOL TREATMENT	148	147	1
REASON OFF TREATMENT			
Treatment completed as planned	143	142	1
Adverse Event or side effects	2	2	0
Refusal unrelated to adverse event	0	0	0
Other - not protocol specified	1	1	0
Reason under review	1	1	0
MAJOR PROTOCOL DEVIATIONS	0	0	0

Number of Patients with a Given Type and Grade of Adverse Event

Initial Registration

Adverse Events Unlikely or Not Related to Treatment Excluded

Registrations ending June 30, 2016; Data as of July 18, 2016

ADVERSE EVENTS	R-CHOP x 3 (n=151) Grade						R-CHOP x 6 (n=1) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
ALT increased	128	20	3	0	0	0	1	0	0	0	0	0
AST increased	135	15	1	0	0	0	1	0	0	0	0	0
Abdominal pain	146	4	1	0	0	0	1	0	0	0	0	0
Agitation	149	1	1	0	0	0	1	0	0	0	0	0
Alkaline phosphatase increased	145	5	1	0	0	0	1	0	0	0	0	0
Allergic reaction	145	1	5	0	0	0	1	0	0	0	0	0
Alopecia	88	20	43	0	0	0	0	0	1	0	0	0
Anal hemorrhage	150	1	0	0	0	0	1	0	0	0	0	0
Anemia	72	59	12	8	0	0	0	1	0	0	0	0
Anorexia	131	14	5	1	0	0	0	1	0	0	0	0
Anxiety	145	2	4	0	0	0	1	0	0	0	0	0
Arthralgia	143	6	2	0	0	0	1	0	0	0	0	0
Back pain	147	3	1	0	0	0	1	0	0	0	0	0
Bloating	148	1	2	0	0	0	1	0	0	0	0	0
Blood bilirubin increased	149	2	0	0	0	0	1	0	0	0	0	0
Blurred vision	148	3	0	0	0	0	1	0	0	0	0	0
Bone pain	138	7	5	1	0	0	1	0	0	0	0	0
CD4 lymphocytes decreased	148	0	1	2	0	0	1	0	0	0	0	0
Catheter related infection	150	0	0	1	0	0	1	0	0	0	0	0
Chills	143	7	1	0	0	0	1	0	0	0	0	0
Concentration impairment	150	1	0	0	0	0	1	0	0	0	0	0
Confusion	150	1	0	0	0	0	1	0	0	0	0	0
Constipation	96	42	12	1	0	0	0	0	1	0	0	0
Cough	143	6	1	1	0	0	1	0	0	0	0	0
Creatinine increased	147	4	0	0	0	0	1	0	0	0	0	0
Dehydration	144	1	6	0	0	0	1	0	0	0	0	0
Depression	150	0	1	0	0	0	1	0	0	0	0	0
Diarrhea	133	14	1	3	0	0	1	0	0	0	0	0
Dizziness	139	12	0	0	0	0	1	0	0	0	0	0
Dry mouth	142	9	0	0	0	0	1	0	0	0	0	0
Dry skin	148	3	0	0	0	0	0	1	0	0	0	0
Dysgeusia	134	12	5	0	0	0	1	0	0	0	0	0
Dyspepsia	135	8	8	0	0	0	1	0	0	0	0	0
Dyspnea	138	8	2	3	0	0	0	1	0	0	0	0
Edema face	150	1	0	0	0	0	1	0	0	0	0	0
Edema limbs	142	7	1	1	0	0	0	1	0	0	0	0
Endocrine disorders-Other	150	0	0	1	0	0	1	0	0	0	0	0
Epistaxis	150	1	0	0	0	0	1	0	0	0	0	0
Eye disorders - Other, specify	149	2	0	0	0	0	1	0	0	0	0	0
Eye pain	150	1	0	0	0	0	1	0	0	0	0	0
Facial pain	149	2	0	0	0	0	1	0	0	0	0	0
Fall	150	0	1	0	0	0	1	0	0	0	0	0
Fatigue	45	81	21	4	0	0	0	1	0	0	0	0
Febrile neutropenia	137	0	0	11	3	0	1	0	0	0	0	0

ADVERSE EVENTS	R-CHOP x 3 (n=151) Grade						R-CHOP x 6 (n=1) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
	Fever	138	11	2	0	0	0	1	0	0	0	0
Flank pain	150	1	0	0	0	0	1	0	0	0	0	0
Flatulence	149	2	0	0	0	0	1	0	0	0	0	0
Flu like symptoms	150	0	1	0	0	0	1	0	0	0	0	0
GERD	145	4	2	0	0	0	1	0	0	0	0	0
GI disorders-Other, specify	149	2	0	0	0	0	1	0	0	0	0	0
Gastritis	150	0	1	0	0	0	1	0	0	0	0	0
Gen disorders/admin site cond	149	2	0	0	0	0	1	0	0	0	0	0
Generalized muscle weakness	142	6	2	1	0	0	1	0	0	0	0	0
Headache	139	12	0	0	0	0	1	0	0	0	0	0
Hematuria	150	1	0	0	0	0	1	0	0	0	0	0
Hemoglobin increased	150	1	0	0	0	0	1	0	0	0	0	0
Hemorrhoids	150	1	0	0	0	0	1	0	0	0	0	0
Hiccups	150	1	0	0	0	0	1	0	0	0	0	0
Hoarseness	149	1	1	0	0	0	0	1	0	0	0	0
Hot flashes	149	2	0	0	0	0	1	0	0	0	0	0
Hyperglycemia	132	10	5	4	0	0	1	0	0	0	0	0
Hyperhidrosis	148	2	1	0	0	0	1	0	0	0	0	0
Hyperkalemia	150	0	1	0	0	0	1	0	0	0	0	0
Hypernatremia	150	1	0	0	0	0	1	0	0	0	0	0
Hypertension	144	2	2	3	0	0	1	0	0	0	0	0
Hypoalbuminemia	135	8	8	0	0	0	0	1	0	0	0	0
Hypocalcemia	140	8	3	0	0	0	1	0	0	0	0	0
Hypokalemia	140	7	2	2	0	0	1	0	0	0	0	0
Hypomagnesemia	146	5	0	0	0	0	1	0	0	0	0	0
Hyponatremia	143	7	0	0	1	0	1	0	0	0	0	0
Hypophosphatemia	150	0	1	0	0	0	1	0	0	0	0	0
Hypotension	147	2	2	0	0	0	1	0	0	0	0	0
Infusion related reaction	134	2	15	0	0	0	1	0	0	0	0	0
Injection site reaction	150	0	1	0	0	0	1	0	0	0	0	0
Insomnia	132	12	7	0	0	0	1	0	0	0	0	0
Irregular menstruation	150	1	0	0	0	0	1	0	0	0	0	0
Lip infection	150	1	0	0	0	0	1	0	0	0	0	0
Localized edema	149	2	0	0	0	0	1	0	0	0	0	0
Lower GI hemorrhage	150	1	0	0	0	0	1	0	0	0	0	0
Lung infection	149	0	0	2	0	0	1	0	0	0	0	0
Lymphocyte count decreased	86	24	20	16	5	0	0	0	1	0	0	0
Memory impairment	149	2	0	0	0	0	1	0	0	0	0	0
Menorrhagia	150	1	0	0	0	0	1	0	0	0	0	0
Mucosal infection	150	0	1	0	0	0	1	0	0	0	0	0
Mucositis oral	128	16	6	1	0	0	0	1	0	0	0	0
Myalgia	144	7	0	0	0	0	1	0	0	0	0	0
Nail discoloration	148	3	0	0	0	0	1	0	0	0	0	0
Nasal congestion	150	1	0	0	0	0	1	0	0	0	0	0
Nausea	80	50	20	1	0	0	0	1	0	0	0	0
Neck pain	148	2	1	0	0	0	1	0	0	0	0	0
Neutrophil count decreased	96	5	11	13	26	0	1	0	0	0	0	0
Oral pain	148	0	2	1	0	0	1	0	0	0	0	0
Pain	146	1	4	0	0	0	1	0	0	0	0	0
Pain of skin	150	1	0	0	0	0	1	0	0	0	0	0
Papulopustular rash	150	1	0	0	0	0	1	0	0	0	0	0

SEPTEMBER 14 - 17, 2016

SWOG

LYMPHOMA 10

S1001/II

ADVERSE EVENTS	R-CHOP x 3 (n=151)						R-CHOP x 6 (n=1)					
	Grade						Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
Paresthesia	147	4	0	0	0	0	1	0	0	0	0	0
Peripheral motor neuropathy	146	4	1	0	0	0	1	0	0	0	0	0
Peripheral nerve infection	150	0	1	0	0	0	1	0	0	0	0	0
Peripheral sensory neuropathy	116	30	4	1	0	0	1	0	0	0	0	0
Phlebitis	150	0	1	0	0	0	1	0	0	0	0	0
Platelet count decreased	126	17	3	3	2	0	0	1	0	0	0	0
Postnasal drip	150	0	1	0	0	0	1	0	0	0	0	0
Presyncope	150	0	1	0	0	0	1	0	0	0	0	0
Productive cough	149	2	0	0	0	0	1	0	0	0	0	0
Proteinuria	150	1	0	0	0	0	1	0	0	0	0	0
Pruritus	147	3	1	0	0	0	1	0	0	0	0	0
Rash acneiform	149	2	0	0	0	0	1	0	0	0	0	0
Rash maculo-papular	143	7	1	0	0	0	0	1	0	0	0	0
Renal/urinary disorders-Other	149	2	0	0	0	0	1	0	0	0	0	0
Repro system/breast ds-Oth	149	1	1	0	0	0	1	0	0	0	0	0
Resp/thoracic/mediastinal ds	150	1	0	0	0	0	1	0	0	0	0	0
Scalp pain	150	1	0	0	0	0	1	0	0	0	0	0
Sepsis	149	0	0	0	1	1	1	0	0	0	0	0
Sinus bradycardia	150	1	0	0	0	0	1	0	0	0	0	0
Sinus tachycardia	149	2	0	0	0	0	1	0	0	0	0	0
Sinusitis	150	0	1	0	0	0	1	0	0	0	0	0
Skin infection	148	2	0	1	0	0	1	0	0	0	0	0
Skin/subq tissue ds-Other	146	5	0	0	0	0	1	0	0	0	0	0
Sore throat	145	5	1	0	0	0	1	0	0	0	0	0
Stomach pain	149	1	1	0	0	0	1	0	0	0	0	0
Stroke	150	0	0	1	0	0	1	0	0	0	0	0
Superficial thrombophlebitis	150	0	1	0	0	0	1	0	0	0	0	0
Thromboembolic event	150	0	1	0	0	0	1	0	0	0	0	0
Upper respiratory infection	144	0	7	0	0	0	1	0	0	0	0	0
Urinary frequency	142	8	1	0	0	0	1	0	0	0	0	0
Urinary incontinence	149	2	0	0	0	0	1	0	0	0	0	0
Urinary retention	150	1	0	0	0	0	1	0	0	0	0	0
Urinary tract infection	142	0	6	3	0	0	1	0	0	0	0	0
Urinary urgency	150	1	0	0	0	0	1	0	0	0	0	0
Urine discoloration	150	1	0	0	0	0	1	0	0	0	0	0
Vaginal infection	150	0	1	0	0	0	1	0	0	0	0	0
Voice alteration	149	1	1	0	0	0	1	0	0	0	0	0
Vomiting	138	8	5	0	0	0	0	1	0	0	0	0
Watering eyes	150	1	0	0	0	0	1	0	0	0	0	0
Weight gain	149	2	0	0	0	0	0	1	0	0	0	0
Weight loss	144	6	1	0	0	0	1	0	0	0	0	0
Wheezing	150	1	0	0	0	0	1	0	0	0	0	0
White blood cell decreased	94	16	10	17	14	0	0	0	1	0	0	0
Wound infection	150	0	1	0	0	0	1	0	0	0	0	0
MAX. GRADE ANY ADVERSE EVENT	1	21	64	38	26	1	0	0	1	0	0	0

Registration, Eligibility, and Evaluability

PET-Directed Therapy

Registrations ending June 30, 2016; Data as of July 18, 2016

	TOTAL	Continued R -CHOP	IFRT + Zevalin
NUMBER REGISTERED	146	134	12
INELIGIBLE	1	1	0
Insufficient Documentation	1	1	0
Irreversible	1	1	0
ELIGIBLE	145	133	12
Analyzable, Pend. Elig.	139	127	12
RESPONSE ASSESSMENT			
Determinable	121	115	6
Not Determinable	1	1	0
Too Early	23	17	6
ADVERSE EVENT ASSESSMENT			
Evaluable	134	123	11
Not Evaluable	2	2	0
Too Early	9	8	1

Treatment Summary

PET-Directed Therapy

Registrations ending June 30, 2016; Data as of July 18, 2016

	TOTAL	Continued R -CHOP	IFRT + Zevalin
NUMBER ON PROTOCOL TREATMENT	13	12	1
NUMBER OFF PROTOCOL TREATMENT	132	121	11
REASON OFF TREATMENT			
Treatment completed as planned	130	119	11
Adverse Event or side effects	1	1	0
Refusal unrelated to adverse event	1	1	0
Other - not protocol specified	0	0	0
Reason under review	0	0	0
MAJOR PROTOCOL DEVIATIONS	2	2	0

Number of Patients with a Given Type and Grade of Adverse Event

PET-Directed Therapy

Adverse Events Unlikely or Not Related to Treatment Excluded

Registrations ending June 30, 2016; Data as of July 18, 2016

ADVERSE EVENTS	Continued R-CHOP (n=123) Grade						IFRT + Zevalin (n=11) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
ALT increased	112	10	0	1	0	0	10	1	0	0	0	0
AST increased	116	7	0	0	0	0	10	1	0	0	0	0
Abdominal pain	122	0	0	1	0	0	10	1	0	0	0	0
Alkaline phosphatase increased	122	1	0	0	0	0	11	0	0	0	0	0
Allergic rhinitis	122	0	1	0	0	0	11	0	0	0	0	0
Alopecia	98	8	17	0	0	0	9	0	2	0	0	0
Anemia	78	31	12	2	0	0	6	3	1	1	0	0
Anorexia	120	1	1	1	0	0	8	2	1	0	0	0
Anxiety	123	0	0	0	0	0	10	0	1	0	0	0
Arthralgia	120	2	1	0	0	0	11	0	0	0	0	0
Arthritis	122	1	0	0	0	0	11	0	0	0	0	0
Blurred vision	122	1	0	0	0	0	10	1	0	0	0	0
Bone pain	121	2	0	0	0	0	11	0	0	0	0	0
Chills	122	1	0	0	0	0	10	1	0	0	0	0
Constipation	117	6	0	0	0	0	10	1	0	0	0	0
Cough	119	3	1	0	0	0	9	2	0	0	0	0
Creatinine increased	120	2	1	0	0	0	11	0	0	0	0	0
Dehydration	123	0	0	0	0	0	10	0	1	0	0	0
Depression	123	0	0	0	0	0	10	0	1	0	0	0
Dermatitis radiation	123	0	0	0	0	0	9	2	0	0	0	0
Diarrhea	119	4	0	0	0	0	10	1	0	0	0	0
Dizziness	123	0	0	0	0	0	10	1	0	0	0	0
Dry mouth	120	3	0	0	0	0	9	0	2	0	0	0
Dysgeusia	118	2	3	0	0	0	10	0	1	0	0	0
Dyspepsia	121	2	0	0	0	0	10	1	0	0	0	0
Dysphagia	123	0	0	0	0	0	9	1	1	0	0	0
Dyspnea	117	4	2	0	0	0	11	0	0	0	0	0
Ear pain	122	1	0	0	0	0	11	0	0	0	0	0
Edema limbs	120	3	0	0	0	0	11	0	0	0	0	0
Ejection fraction decreased	122	0	0	1	0	0	11	0	0	0	0	0
Esophagitis	123	0	0	0	0	0	10	0	1	0	0	0
Eye disorders - Other, specify	122	1	0	0	0	0	11	0	0	0	0	0
Eye pain	122	1	0	0	0	0	11	0	0	0	0	0
Fall	122	0	0	1	0	0	11	0	0	0	0	0
Fatigue	76	38	8	1	0	0	5	5	1	0	0	0
Febrile neutropenia	121	0	0	2	0	0	11	0	0	0	0	0
Fever	121	2	0	0	0	0	11	0	0	0	0	0
Flu like symptoms	122	1	0	0	0	0	11	0	0	0	0	0
GERD	118	4	1	0	0	0	11	0	0	0	0	0
Gastric ulcer	122	1	0	0	0	0	11	0	0	0	0	0
Gastritis	122	1	0	0	0	0	10	1	0	0	0	0
Gen disorders/admin site cond	122	1	0	0	0	0	11	0	0	0	0	0
Generalized muscle weakness	120	1	2	0	0	0	10	1	0	0	0	0
Gum infection	122	1	0	0	0	0	11	0	0	0	0	0

SEPTEMBER 14 - 17, 2016

SWOG

LYMPHOMA 13

S1001/II

ADVERSE EVENTS	Continued R-CHOP (n=123)						IFRT + Zevalin (n=11)					
	Grade						Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
Headache	122	1	0	0	0	0	11	0	0	0	0	0
Hearing impaired	122	1	0	0	0	0	11	0	0	0	0	0
Hot flashes	120	3	0	0	0	0	11	0	0	0	0	0
Hypercalcemia	122	1	0	0	0	0	11	0	0	0	0	0
Hyperglycemia	117	3	2	1	0	0	10	1	0	0	0	0
Hyperhidrosis	123	0	0	0	0	0	10	1	0	0	0	0
Hyperkalemia	121	2	0	0	0	0	11	0	0	0	0	0
Hypertension	117	4	0	2	0	0	11	0	0	0	0	0
Hyperuricemia	122	1	0	0	0	0	11	0	0	0	0	0
Hypoalbuminemia	120	3	0	0	0	0	11	0	0	0	0	0
Hypocalcemia	120	2	0	1	0	0	11	0	0	0	0	0
Hypoglycemia	122	1	0	0	0	0	11	0	0	0	0	0
Hypokalemia	118	2	1	2	0	0	11	0	0	0	0	0
Hypomagnesemia	122	1	0	0	0	0	10	1	0	0	0	0
Hyponatremia	120	2	0	1	0	0	11	0	0	0	0	0
Hypotension	122	0	0	1	0	0	11	0	0	0	0	0
Hypoxia	121	0	0	1	0	1	11	0	0	0	0	0
Infections/infestations-Other	122	0	1	0	0	0	11	0	0	0	0	0
Insomnia	121	2	0	0	0	0	9	0	2	0	0	0
Irregular menstruation	122	1	0	0	0	0	11	0	0	0	0	0
Laryngeal edema	123	0	0	0	0	0	10	1	0	0	0	0
Leukocytosis	122	0	0	1	0	0	11	0	0	0	0	0
Localized edema	122	0	1	0	0	0	11	0	0	0	0	0
Lymphedema	122	0	1	0	0	0	11	0	0	0	0	0
Lymphocyte count decreased	79	19	17	8	0	0	7	2	0	2	0	0
Malaise	122	0	1	0	0	0	11	0	0	0	0	0
Memory impairment	122	1	0	0	0	0	11	0	0	0	0	0
Mucositis oral	117	5	1	0	0	0	10	0	1	0	0	0
Muscle weakness lower limb	122	1	0	0	0	0	11	0	0	0	0	0
Muscle weakness upper limb	122	1	0	0	0	0	11	0	0	0	0	0
Myalgia	121	2	0	0	0	0	9	1	1	0	0	0
Nail discoloration	121	2	0	0	0	0	11	0	0	0	0	0
Nail loss	122	1	0	0	0	0	11	0	0	0	0	0
Nail ridging	121	2	0	0	0	0	11	0	0	0	0	0
Nasal congestion	121	0	2	0	0	0	11	0	0	0	0	0
Nausea	111	12	0	0	0	0	9	2	0	0	0	0
Neoplasms, all	122	1	0	0	0	0	11	0	0	0	0	0
Nervous sys disorders-Other	122	0	0	1	0	0	10	1	0	0	0	0
Neutrophil count decreased	107	2	3	3	8	0	6	1	2	1	1	0
Oral pain	121	1	1	0	0	0	11	0	0	0	0	0
Pain	120	3	0	0	0	0	11	0	0	0	0	0
Pain in extremity	119	2	2	0	0	0	10	0	1	0	0	0
Paresthesia	121	2	0	0	0	0	11	0	0	0	0	0
Peripheral motor neuropathy	122	1	0	0	0	0	11	0	0	0	0	0
Peripheral sensory neuropathy	99	21	2	1	0	0	9	2	0	0	0	0
Pharyngitis	122	0	1	0	0	0	10	0	1	0	0	0
Phlebitis	122	0	1	0	0	0	11	0	0	0	0	0
Platelet count decreased	107	12	0	2	2	0	7	0	1	2	1	0
Productive cough	122	1	0	0	0	0	11	0	0	0	0	0
Pruritus	121	2	0	0	0	0	11	0	0	0	0	0
Rash acneiform	122	1	0	0	0	0	11	0	0	0	0	0

ADVERSE EVENTS	Continued R-CHOP (n=123)						IFRT + Zevalin (n=11)					
	Grade						Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
Renal calculi	122	1	0	0	0	0	11	0	0	0	0	0
Resp/thoracic/mediastinal ds	121	1	0	0	1	0	11	0	0	0	0	0
Secondary Leukemia	122	0	0	0	1	0	11	0	0	0	0	0
Sinus bradycardia	122	1	0	0	0	0	11	0	0	0	0	0
Sinus tachycardia	121	2	0	0	0	0	11	0	0	0	0	0
Skin infection	120	1	1	1	0	0	11	0	0	0	0	0
Skin/subq tissue ds-Other	122	1	0	0	0	0	11	0	0	0	0	0
Small intestine infection	122	0	0	1	0	0	11	0	0	0	0	0
Sore throat	122	0	1	0	0	0	10	1	0	0	0	0
Telangiectasia	122	1	0	0	0	0	11	0	0	0	0	0
Thromboembolic event	122	0	0	1	0	0	11	0	0	0	0	0
Upper respiratory infection	120	0	3	0	0	0	11	0	0	0	0	0
Urinary frequency	122	1	0	0	0	0	11	0	0	0	0	0
Urinary tract infection	121	0	2	0	0	0	10	0	1	0	0	0
Urine discoloration	122	1	0	0	0	0	11	0	0	0	0	0
Voice alteration	122	0	1	0	0	0	11	0	0	0	0	0
Vomiting	122	1	0	0	0	0	11	0	0	0	0	0
Weight gain	120	2	1	0	0	0	11	0	0	0	0	0
Weight loss	120	1	1	1	0	0	9	2	0	0	0	0
White blood cell decreased	94	16	3	5	5	0	6	1	2	2	0	0
MAX. GRADE ANY ADVERSE EVENT	11	34	48	18	11	1	1	4	2	2	2	0

S1204 Surveillance

A Sero-Epidemiologic Survey and Cost-Effectiveness Study of Screening for Human Immunodeficiency Virus (HIV), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV) Among Newly Diagnosed Cancer Patients

Study Chairs:

S Ramsey, D Hershman

Date Activated:

08/29/2013

Statisticians:

J Unger, K Arnold

Data Coordinator:

M Yee

Objectives

Among newly diagnosed cancer patients presenting to SWOG-affiliated community and academic oncology clinics, estimate the prevalence of human immunodeficiency virus (HIV), hepatitis B (HBV), and hepatitis C (HCV) infection.

Evaluate known sociodemographic, clinical, and behavioral factors that are significantly associated with previously undiagnosed HIV, HBV, and/or HCV infection in a population of people with newly diagnosed cancer.

Among patients who are identified as having HIV, HBV, and/or HCV, evaluate the timing and type of treatments received, both for the viral infections and the cancers.

Evaluate type and rate of cancer treatment-related adverse events in patients with HIV, HBV, and/or HCV infection.

Determine the cost-effectiveness of (1) routine, universal screening and (2) risk factor-directed screening of newly diagnosed cancer patients for HIV, HBV and/or HCV versus current care.

Patient Population

Patients must be presenting for evaluation or treatment for the first diagnosis of a new solid or hematologic cancer malignancy. Confirmed diagnosis date must be within 120 days prior to first clinic visit

as a newly diagnosed cancer patient at the registering clinic. Patients presenting for "second opinions" of confirmed malignancies are eligible, including those who have started cancer treatment at other facilities. Patients must be registered within 90 days after their first clinic visit. Patients must not have been diagnosed with a malignancy other than the current malignancy within the past five years, with the exception of basal cell or squamous cell skin cancer, in situ cervical cancer, or in situ breast cancer. Patients must have no evidence of disease for a prior malignancy for at least five years prior to randomization except as noted above.

Patients must be 18 years of age or older. Patients must have had their blood drawn for viral status testing for HIV, HBV and HCV or provide acceptable viral status documentation prior to registration, as defined in the protocol. Note that patients must have blood drawn for testing prior to registration for any of the three viruses not covered by the documentation. Patients are allowed to participate in other clinical trials.

Accrual Goals

A total of 3,061 patients will be accrued to achieve 3,000 eligible patients.

Summary Statement

For the current status of this study, please refer to the Cancer Care Delivery chapter.

9177 Phase II SWOG Supported CTSU Study

Coordinating Group: NCI

Phase II Study of Dose-Adjusted EPOCH +/- Rituximab in Adults with Untreated Burkitt Lymphoma, c-MYC Positive Diffuse Large B-Cell Lymphoma and Plasmablastic Lymphoma

Participants:

NCI, CTSU

Date Activated:

05/15/2012

Study Chairs:

K Dunleavy (NCI), M Fanale (SWOG)

Objectives

To determine PFS, EFS and OS of risk adaptive DA-EPOCH-R in newly diagnosed Burkitt Lymphoma, c-MYC + DLBCL and DA-EPOCH in c-MYC+ plasmablastic lymphoma \geq 18 years.

To assess predictive value of early FDG-PET/CT scans on PFS.

To obtain pilot comparative molecular profiling in HIV negative and positive BL and c-MYC + DLBCL, including c-MYC + plasmablastic lymphoma.

To assess the toxicity of risk adaptive DA-EPOCH-R in newly diagnosed Burkitt Lymphoma, c-MYC + DLBCL and DA-EPOCH in c-MYC+ plasmablastic lymphoma \geq 18 years.

Patient Population

Patients must have histologically documented Burkitt lymphoma or B-cell lymphoma, unclassifiable, with features intermediate between Diffuse Large B-cell lymphoma and Burkitt Lymphoma, c-MYC +

DLBCL or c-MYC+ plasmablastic lymphoma with all disease stages. Patients with primary central nervous system (CNS) lymphoma are excluded.

Patients must not have received any prior treatment except limited-field radiotherapy, short course of glucocorticoids and/or cyclophosphamide for an urgent problem at diagnosis and/or a single dose of intrathecal methotrexate at time of the pre-treatment diagnostic lumbar puncture.

Patients must be at least 18 years old and have ECOG performance status 0-4. Patients must have adequate major organ function unless impairment due to lymphoma.

Accrual Goals

A total of 194 patients will be accrued to this study.

Summary Statement

NCI reported a total accrual of 148 patients as of June 30, 2016, including 19 SWOG registrations. The complete November 2015 summary of this study from NCIMet is available on the SWOG web site.

Registration by Institution

Registrations ending June 30, 2016

<u>Institutions</u>	<u>Total Reg</u>
Rochester, Univ of	9
Cleveland Clinic OH	4
Kentucky, U of	4
Kansas City NCORP	1
Tennessee, U of	1
Total (5 Institutions)	19

A051301 Phase III SWOG Supported CTSU Study

Coordinating Group: Alliance

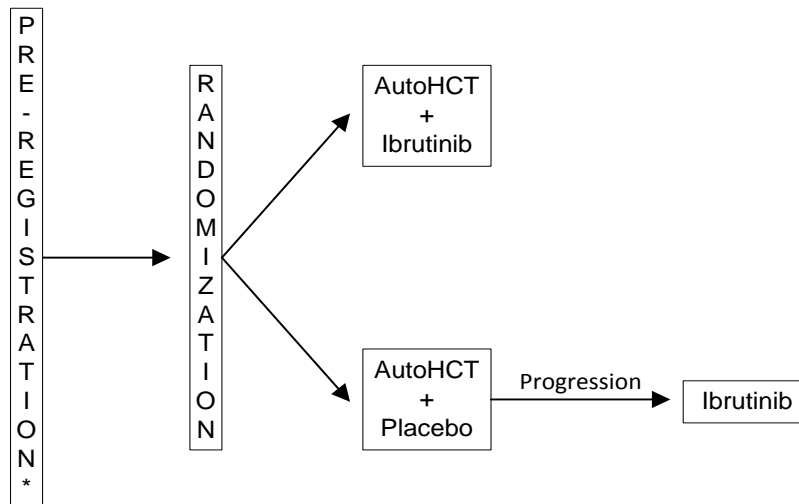
A Randomized Double-Blind Phase III Study of Ibrutinib During and Following Autologous Stem Cell Transplantation Versus Placebo in Patients with Relapsed or Refractory Diffuse Large B-cell Lymphoma of the Activated B-cell Subtype

Participants:
Alliance, CTSU

Date Activated:
07/06/2016

Study Chairs:
C Andreadis (Alliance), P Stiff (SWOG)

SCHEMA



*Determination of ABC subtype will be performed by central review.

Objectives

To evaluate the ability of ibrutinib to improve 24-month progression free survival (PFS) compared to placebo.

To evaluate the ability of ibrutinib to improve overall survival (OS) compared to placebo.

To evaluate the ability of ibrutinib to improve post-transplant response rates compared to placebo.

To evaluate time to hematopoietic recovery in the two arms.

To evaluate the safety and tolerability of ibrutinib compared to placebo.

To evaluate the incidence of secondary malignancies in the two arms.

To evaluate immune reconstitution in the two arms.

Patient Population

Patients must have a diagnosis of WHO diffuse large B-cell lymphoma (DLBCL), high grade B-cell lymphoma not otherwise specified (NOS), or B-cell lymphoma, unclassifiable (BCLU), with features intermediate between DLBCL and Burkitt lymphoma. Patients must have ABC subtype determined by central review. Patients must have chemosensitive disease as defined by at least a partial response to salvage therapy at their latest assessment. Patients must have progressed or be refractory to prior anthracycline-containing chemotherapy. Patients must not have active central nervous system or meningeal involvement by lymphoma or any evidence of myelodysplasia or cytogenetic abnormality indicative of myelodysplasia on any bone marrow biopsy prior to initiation of therapy.

Patients must be deemed eligible to proceed with high-dose chemotherapy and autologous stem cell transplantation. Patients must not have more than three prior regimens for large cell component. Prior use of ibrutinib is allowed unless patient has had disease progression while receiving ibrutinib. Patients must not have had major surgery within seven days prior to registration or minor surgery within three days prior to registration. Patients should not require chronic use of strong CYP3A inhibitors or inducers, or concurrent therapeutic dose of steroids except as listed in the protocol. Steroids should be discontinued for 14 days before starting protocol treatment. Patients must not have requirement for warfarin or similar vitamin K antagonists.

Patients must have an ECOG performance status of 0-2, be at least 18 years of age, and have adequate cardiac, renal, pulmonary, and hepatic function to proceed to transplant. Women of childbearing potential must have a negative serum pregnancy test. HIV infected patients are eligible with restrictions. Patients must have no known bleeding diathesis, no history of stroke or intracranial hemorrhage within six months before treatment, no active and clinically significant hepatic impairment, and no serologic status reflecting active hepatitis B or C infection.

Stratification/Descriptive Factors

Patient randomization will be stratified by the following factors: (1) type of transplant regimen planned: CBV vs BEAM; and (2) time to relapse: \leq 12 months vs $>$ 12 months.

Accrual Goals

Patients will be assigned to one of the following groups at study entry: 1) Early safety assessment or 2) Double-blinded randomization.

This study will accrue 302 patients, including a cohort of 6 patients to investigate the safety of ibrutinib. A total of 296 patients will be randomized. Two formal interim analyses are planned for when 140 and 210 patients have at least two years of follow-up.

C51101 Phase II SWOG Supported CTSU Study

Coordinating Group: Alliance

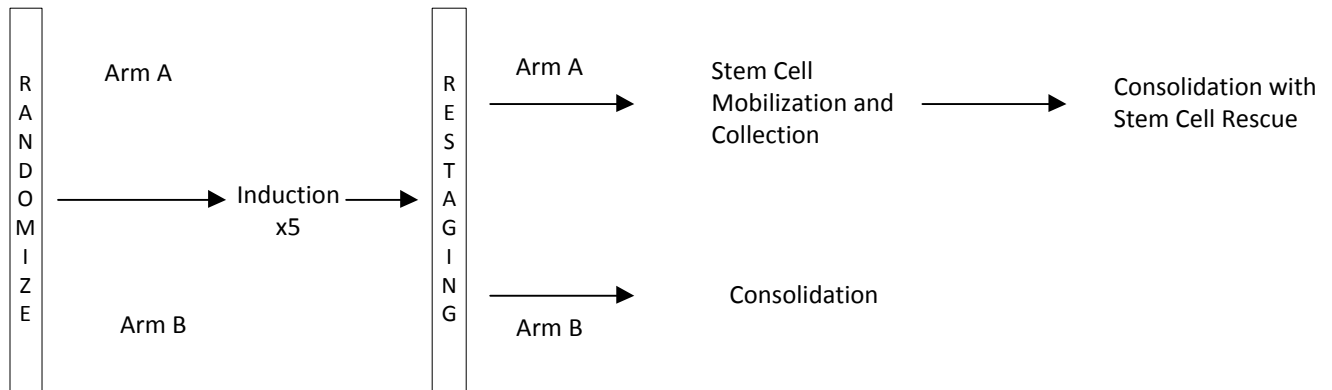
A Randomized Phase II Trial of Myeloablative versus Non-myeloablative Consolidation Chemotherapy for Newly Diagnosed Primary CNS-B-cell Lymphoma

Participants:
Alliance, CTSU

Date Activated:
07/01/2012

Study Chairs:
T Batchelor (Alliance), N Mohile (SWOG)

SCHEMA



Objectives

To compare the two-year progression-free survival (PFS) of patients treated with the myeloablative consolidation treatment strategy of HDT/ASCT versus those treated with non-myeloablative consolidation chemotherapy with cytarabine and etoposide.

To compare the two-year event-free survival (EFS) and the overall survival (OS) of patients treated with consolidation HDT/ASCT versus those treated with consolidation chemotherapy consisting of etoposide and cytarabine.

To assess the toxicities associated with consolidation HDT/ASCT versus consolidation consisting of etoposide and cytarabine.

To determine diffusion MRI metrics (ADC_{mini} , $ADC_{25\%}$, and ADC_{mean}) prior to induction chemotherapy, after one full induction chemotherapy cycle, and at the end of induction chemotherapy as a predictor of response and outcome.

To determine brain FDG-PET metrics (tumor SUV and tumor versus background SUV) prior to induction chemotherapy, after one full induction chemotherapy cycle, and at the end of induction chemotherapy as a predictor of response and outcome.

To determine whether low baseline ADC measurements are associated with shorter PFS and OS.

To determine whether reduction in tumor SUV by > 25% on brain FDGPET/CT after one cycle of induction therapy is associated with improved PFS and OS.

To determine which IHC-based biomarkers are predictive of an adverse prognosis.

To determine which IHC-based biomarkers are predictive of a favorable prognosis for BCL6 (B-cell CLL/lymphoma 6), and STAT 6 (signal transducer and activator of transcription 6, interleukin-4 induced).

To analyze tumor tissue for gene expression profiles, and to correlate these profiles with treatment outcomes.

To determine whether CSF proteome is a predictor of outcomes (prognostic marker) irrespective of treatment arm for IL-10 (interleukin 10) and C3 (complement component 3).

To assess the neurocognitive function of patients treated with consolidation HDT/ASCT versus those treated with consolidation chemotherapy (etoposide and cytarabine) as measured by serial administration of the International PCNSL Collaborative Group (IPCG) neurocognitive battery and evaluate the long-term survivorship differences between the two arms.

To assess the quality of life of patients treated with consolidation HDT/ASCT versus those treated with consolidation etoposide and cytarabine as measured by the EORTC Quality of Life Questionnaire-Core 30/Brain Cancer Module-20 (EORTC-QLQ30/BCM20), and to evaluate the long-term survivorship differences between the two arms.

Patient Population

Patients must have confirmed central nervous system (CNS) diffuse large B-cell lymphoma. Patients must have no evidence or history of non-Hodgkin lymphoma (NHL) outside of CNS. Patients must not have isolated ocular lymphoma .

Patient must not have received any prior chemotherapy or radiation therapy for lymphoma. Patients must have no history of organ transplantation or ongoing immunosuppressant therapy.

Patients must be between 18 to 75 years old and have Karnofsky Performance Scale (KPS) ≥ 30 (≥ 50 for patients ages 60-70). Patients must have adequate cardiac, pulmonary, hematologic, renal, and hepatic function. Patients must have negative HIV serology and negative HCV serology (unless HBsAb positive patients have recently received HBV vaccine, in this case HBcAb should be negative).

Stratification/Descriptive Factors

Patient randomization will be stratified by age and KPS score: age < 51 years vs age ≥ 51 years and KPS ≥ 70 vs age ≥ 51 years and KPS < 70.

Accrual Goals

A total of 160 patients will be accrued to this study (80 per arm).

Summary Statement

Alliance reported a total accrual of 73 patients as of June 30, 2016, including 5 SWOG registrations: one from University of California Davis, two from Fred Hutchinson Cancer Research Center, and two from University of Rochester. The complete November 2015 summary of this study from Alliance is available on the SWOG web site.

E1411 Phase II SWOG Supported CTSU Study

Coordinating Group: ECOG-ACRIN

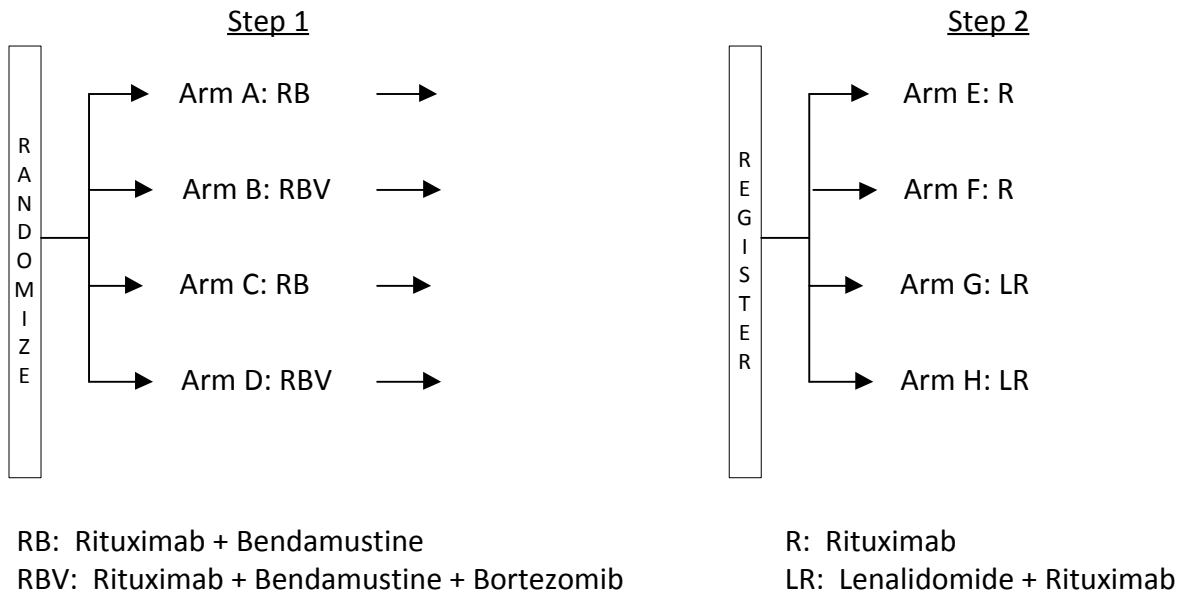
Intergroup Randomized Phase II Four Arm Study in Patients with Previously Untreated Mantle Cell Lymphoma of Therapy with: Arm A = Rituximab + Bendamustine Followed by Rituximab Consolidation (RB → R), Arm B = Rituximab + Bendamustine + Bortezomib Followed by Rituximab Consolidation (RBV → R), Arm C = Rituximab + Bendamustine Followed by Lenalidomide + Rituximab Consolidation (RB → LR) or Arm D = Rituximab + Bendamustine + Bortezomib Followed by Lenalidomide + Rituximab Consolidation (RBV → LR)

Participants:
ECOG-ACRIN, CTSU

Date Activated:
06/15/2012

Study Chairs:
M Smith (ECOG-ACRIN), B Till (SWOG)

SCHEMA



Objectives

To determine whether the addition of bortezomib (RBV) to an induction regimen of rituximab bendamustine (RB) improves progression-free survival (PFS) compared to RB alone in patients with previously untreated mantle cell lymphoma.

To determine whether the addition of lenalidomide to a consolidation regimen of rituximab following an induction regimen of RB or RBV improves PFS compared to consolidation rituximab alone in this patient population.

To determine whether the addition of bortezomib to induction therapy improves the PET-documented complete response rate compared to RB alone.

To determine the objective response rate (ORR) for RB and RBV.

To determine whether the addition of lenalidomide to consolidation therapy improves CR and ORR compared with rituximab alone among patients who do not have PET-documented CR at the end of induction.

To determine overall survival (OS) in the treatment arms.

To determine safety, with attention to the addition of bortezomib in the induction regimen and lenalidomide-rituximab as consolidation therapy.

To determine the extent and severity of neuropathy associated with the addition of bortezomib to induction treatment using patient-reported outcomes data.

To determine the extent of severity of fatigue associated with the addition of lenalidomide to consolidation treatment using patient-reported outcomes data.

To evaluate the effects of the addition of bortezomib and lenalidomide and the effect of bortezomib-related neuropathy on patient-reported health-related quality of life.

To evaluate the response of lymphoma-specific symptoms to treatment.

To describe the trajectory of lymphoma symptoms, neuropathy, fatigue and overall health-related quality

of life prior to, during and following treatment among older adults with MCL using longitudinal patient-reported outcomes data.

See protocol for objectives for laboratory correlative studies, imaging correlative studies, and residual disease assessment by molecular and flow cytometric techniques.

Patient Population

Patients must have histologically confirmed untreated mantle cell lymphoma (MCL). Patients must have at least one objective measurable disease parameter. Patients must have no known CNS involvement.

Patients must not have received prior therapy for MCL, except less than two weeks of steroid therapy for symptom control if there is measurable disease outside the radiation portal. Patients may be on chronic steroids for non-malignant disease if on a stable dose equivalent to ≤ 20 mg prednisone per day. Patients must not be participating in any other clinical trial or taking any other experimental medications within 14 days prior to registration.

Patients must have ECOG performance status 0-2 and adequate cardiac, hematologic, renal, and hepatic function. Patients must not have Grade 2 or greater peripheral neuropathy. HIV positive patients are not excluded, but may enroll with restrictions. Patients must have no hypersensitivity to bortezomib, boron or mannitol. Patients must agree that if randomized to Arms C or D, and proceed onto Arms G and H, they must register into the mandatory RevAssist program. Patients must have no medical contra-indications to DVT prophylaxis.

Stratification/Descriptive Factors

Patient randomization will be stratified according to the following factors: (1) mantle cell lymphoma IPI (MIPI) risk status: low risk vs intermediate risk vs high risk; and (2) age: < 60 vs ≥ 60 .

Accrual Goals

A total of 372 patients will be accrued to this study.

Summary Statement

ECOG-ACRIN reported a total accrual of 353 patients as of June 30, 2016, including 82 SWOG registrations. The complete Spring 2016 summary of this study from ECOG-ACRIN is available on the SWOG web site.

Registration by Institution
 Registrations ending June 30, 2016

Institutions	Total Reg	Institutions	Total Reg
Rochester, Univ of	22	Prov Portland MC/PCRC NCORP	3
Kaiser Perm NCORP	12	Dayton NCORP	2
Cleveland Clinic OH	9	KaiserPermanenteCOL/Kaiser Perm NCORP	2
Oregon Hlth Sci Univ	5	Arizona MC, U of	1
Fred Hutchinson CRC	4	Columbia MU-NCORP	1
Hawaii MU-NCORP	4	Southeast COR NCORP	1
Poudre Valley Hosp/Colorado, U of	4	UF Cancer Center/Arkansas, U of	1
CRC West MI NCORP	3	Upstate Carolina	1
Kansas City NCORP	3	Wayne State Univ	1
Montana NCORP	3	Total (19 Institutions)	82

E1412 Phase II SWOG Supported CTSU Study

Coordinating Group: ECOG-ACRIN

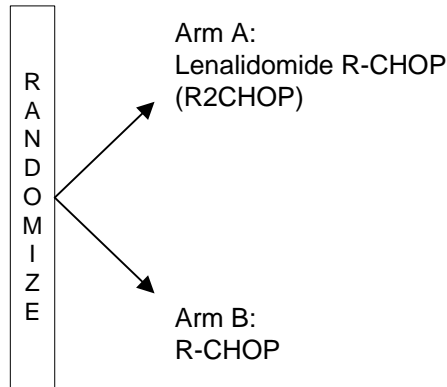
Randomized Phase II Open Label Study of Lenalidomide R-CHOP (R2CHOP) vs. RCHOP (Rituximab, Cyclophosphamide, Doxorubicin, Vincristine and Prednisone) in Patients with Newly Diagnosed Diffuse Large B Cell Lymphoma

Participants:
ECOG-ACRIN, CTSU

Date Activated:
01/22/2014

Study Chairs:
G Nowakowski (ECOG-ACRIN), J Amengual (SWOG)

SCHEMA



Objectives

To determine progression-free survival (PFS).

To evaluate response rate (RR).

To determine the complete response (CR) rate as defined by PET-CT criteria.

To determine overall survival (OS).

expressing CD20 antigen. Patients with transform lymphoma or known primary mediastinal large B-cell lymphoma are excluded. Patients must have Stage II bulky disease, Stage III or IV disease. Patients with Stage I and Stage II non-bulky disease are excluded (Ann Arbor Staging). Patients must not have known CNS lymphoma or cerebrospinal fluid involvement with malignant lymphoma cells. Patients must have measurable disease as detected by CT or the CT images of the PET/CT.

Patient Population

Patients must have histologically confirmed diffuse large B-cell non-Hodgkin's lymphoma (DLBCL)

Patients must be previously untreated and not receiving any other agent that would be considered as a treatment for the lymphoma. Patients must not have

history of radiation therapy to 25% or greater of the bone marrow for other diseases or history of anthracycline therapy. Patients must not be receiving erythroid stimulating agents.

Patients must be at least 18 years old and have International Prognostic Index of 2 or greater and ECOG performance status of 0-2. Patients must have adequate cardiac, renal, hepatic and hematologic function. Patients must not have history of myocardial infarction within six months; congestive heart failure requiring use of ongoing maintenance therapy for life-threatening ventricular arrhythmias; history of deep venous thrombosis/embolism, threatening thromboembolism or known thrombophilia (patient may participate if on full anticoagulation); or history of AIDS-related conditions (other than the presenting DLBCL) or post-transplant lymphoproliferative disorder (PTLD) in immunocompromised patients. Patients must not have other active malignancy requiring therapy such as radiation, chemotherapy, or immunotherapy, with exception of localized non-melanotic skin cancer and any cancer that in the judgment of the investigator

has been treated with curative intent and will not interfere with the study treatment plan and response assessment.

Stratification/Descriptive Factors

Patient randomization will be stratified according to the following factors: (1) International Prognostic Index (IPI): 2/3 vs 4/5; and (2) age: < 60 years vs ≥ 60 years.

Accrual Goals

The original accrual goal was 220 patients. After interim pathology review, the study was amended to increase accrual to 345 patients.

Summary Statement

ECOG-ACRIN reported a total accrual of 295 patients as of June 30, 2016, including 35 SWOG registrations. The complete Spring 2016 summary of this study from ECOG-ACRIN is available on the SWOG web site.

Registration by Institution
Registrations ending June 30, 2016

Institutions	Total Reg	Institutions	Total Reg
Rochester, Univ of	15	Arizona MC, U of	1
Montana NCORP	4	Hawaii MU-NCORP	1
Cincinnati MC, U of	3	Kaiser Perm NCORP	1
Columbia MU-NCORP	3	Kansas City NCORP	1
KaiserPermanenteSCAL/Kaiser Perm NCORP	3	Wayne State Univ	1
Brooke Army Med Ctr	2	Total (11 Institutions)	35

EAY131 Master Protocol / Phase II

Coordinating Group: ECOG-ACRIN

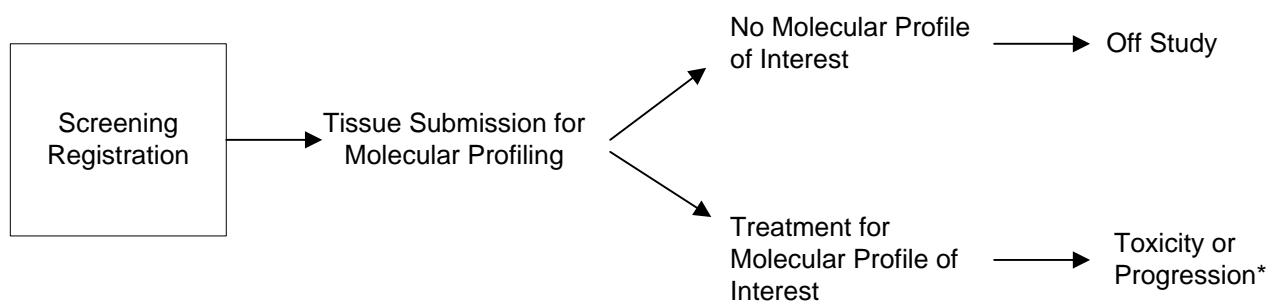
NCI-MATCH: Molecular Analysis for Therapy Choice

Participants:
ECOG-ACRIN, CTSU

Date Activated:
08/12/2015

Study Chairs:
K Flaherty (ECOG-ACRIN), P O'Dwyer (ECOG-ACRIN),
A Chen (NCI), B Conley (NCI), V Villalobos (SWOG)

SCHEMA



*Upon progression or inability to tolerate protocol treatment, patients may be re-screened for additional molecular profiles of interest and corresponding protocol treatment.

Objectives

To evaluate the proportion of patients with objective response (OR) to targeted study agent(s) in patients with advanced refractory cancers/lymphomas/multiple myeloma.

To evaluate the proportion of patients alive and progression free at six months of treatment with targeted study agent in patients with advanced refractory cancers/lymphomas/multiple myeloma.

To evaluate the time until death or disease progression.

To identify potential predictive biomarkers beyond the genomic alteration by which treatment is assigned or resistance mechanisms using additional genomic,

RNA protein and imaging-based assessment platforms.

To assess whether radiomic phenotypes obtained from pre-treatment imaging and changes from pre-through post-therapy imaging can predict objective response and progression free survival and to evaluate the association between pre-treatment radiomic phenotypes and targeted gene mutation patterns of tumor biopsy specimens.

Patient Population

Patients must have histologically documented solid tumors or histologically confirmed diagnosis of lymphoma or multiple myeloma that has progressed following at least one line of standard systemic therapy and/or for whose disease no standard treatment exists that has been shown to prolong

survival. Patients must have measurable disease and meet one of the criteria in the protocol regarding tissue procurement.

Patients must not currently be receiving any other investigational agents. Any prior therapy, radiotherapy (except palliative radiation therapy of 30 Gy or less), or major surgery must have been completed at least four weeks prior to treatment on NCI-MATCH and patient must be recovered from adverse events due to prior therapy (except alopecia and lymphopenia). Palliative radiation therapy must have been completed at least two weeks prior to enrollment on a NCI-MATCH treatment subprotocol, and patient must have recovered from any adverse events of this therapy. Patients with brain metastases or primary brain tumors must have completed treatment, surgery, or radiation therapy at least four weeks prior to start of treatment. Patients must not require the use of full dose coumarin-derivative anticoagulants. Factor X inhibitors are permitted. Patients may receive non-protocol treatment after biopsy (if clinically indicated) until they receive notification of results, but patients may not enroll in another investigational study during this time and the therapy cannot be an arm in this trial.

Patients must be at least 18 years of age, have an ECOG performance status of 0 or 1 and must be able to swallow tablets. Patients must have adequate hematologic, hepatic, renal, cardiac and marrow function. Patients must not have any uncontrolled intercurrent illness. HIV-positive patients are eligible provided they meet protocol criteria. Each subprotocol will have additional eligibility criteria that will be outlined in Section 2.0 of the agent-specific subprotocol.

Accrual Goals

The target screening accrual for this study is approximately 3,000 patients, with the goal of accruing 35 patients in each treatment subprotocol. If after screening 500 patients, the total number of patients with actionable tumor alteration (therefore qualifying for treatment) is below 50, results will be

presented to the steering committee for consideration of terminating the trial. Within any given subprotocol, if rate of enrollment is such that it is unlikely accrual can reach 25 patients by the time the overall study screening accrual goal is met, and if 13 patients have been treated and no responses have been observed, then the steering committee may consider terminating accrual in that subgroup due to lack of feasibility. After 500 patients are screened, the study design will be reassessed to assure its appropriateness. An interim analysis of the assay results will be performed after biopsies from approximately the first 200 patients are processed.

Summary Statement

This study activated on January 26, 2015, with 10 subprotocols included in the activation. Only sites utilizing the CIRB as their IRB of record are able to participate in the trial. The study was temporarily closed to accrual on November 11, 2015, after rapid accrual of 795 patients to the screening step in only three months, including 119 SWOG registrations. This pause in patient enrollment for assessment of study design appropriateness was lifted on May 31, 2016, when this study reopened to enrollment with an additional 14 new subprotocols.

Patients with multiple myeloma will be allowed to enroll in the MATCH protocol at a future amendment. The screening sample collection, processing and assay are currently being validated for the marrow specimens for patients with myeloma. Once this is completed, an amendment allowing these patients to enroll will be submitted. Patients with myeloma cannot be entered on the trial until that is completed.

ECOG-ACRIN reported a total of 1,013 screened patients and 29 molecularly matched patients as of June 30, 2016. This includes 139 screened and two molecularly matched SWOG registrations. The complete Spring 2016 summary of this study from ECOG-ACRIN is available on the SWOG web site.