

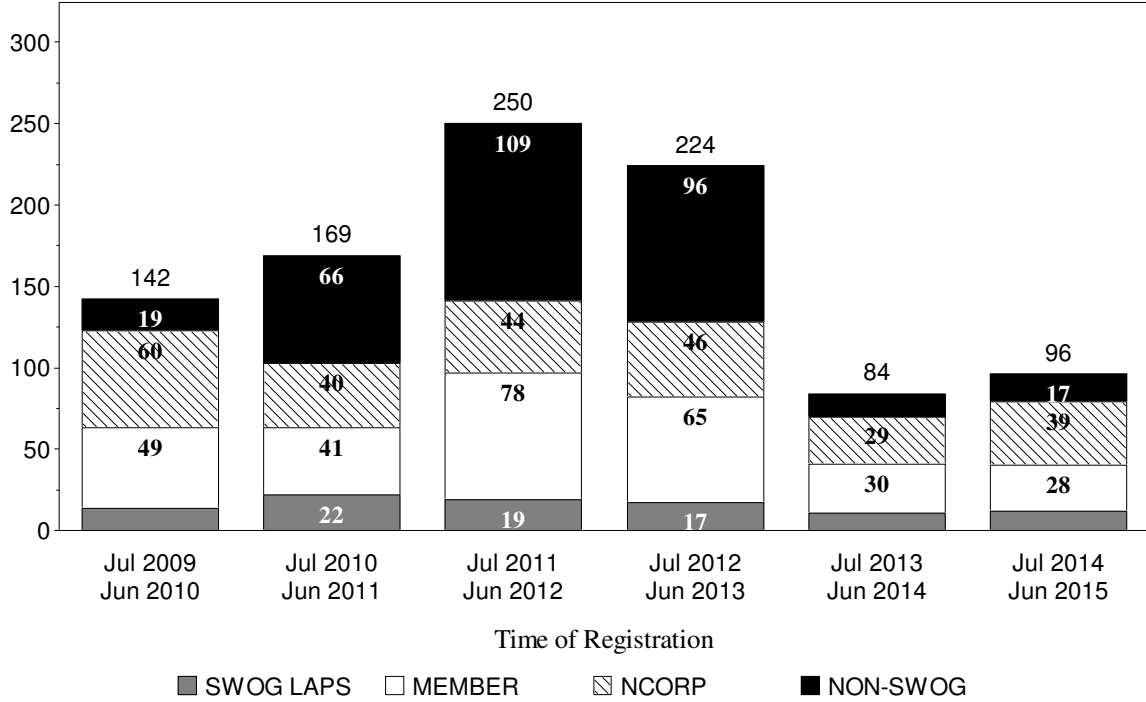
LYMPHOMA COMMITTEE

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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

LYMPHOMA COMMITTEE

	<u>Jan 2015</u> <u>Jun 2015</u>	<u>Jul 2014</u> <u>Dec 2014</u>	<u>Jan 2014</u> <u>Jun 2014</u>	<u>All</u> <u>Patients</u>
S1001 DLBCL, I-II, PET-Adapted Therapy				
Initial registration				
R-CHOP x 3	20	22	19	124
R-CHOP x 6	0	0	1	1
	<u>20</u>	<u>22</u>	<u>20</u>	<u>125</u>
PET-Directed Therapy				
Continued R-CHOP	14	23	13	98
IFRT + Zevalin	0	2	4	11
	<u>14</u>	<u>25</u>	<u>17</u>	<u>109</u>
S1106 NHL, Adv, R-HCVAD/R-Benda+PBSCT				
Transplant				
Stem Cell Transplant	0	0	3	26
9177 NHL, Dose-Adj. EPOCH+/-Rituximab*				
Total Registrations	0	2	0	18
C51101 CNSMyelo/Non-myelo chemo, PhII*				
Total Registrations	2	0	3	5
E1411 MCL, RB+R, RBV+R, RB+LR, RBV+LR*				
Total Registrations	17	10	14	55
E1412 DLBCL, R2CHOP vs RCHOP*				
Total Registrations	18	5	3	26

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

S0410 Phase II

Coordinating Group: SWOG

Tandem Autologous Stem Cell Transplantation for Patients with Primary Progressive or Recurrent Hodgkin's Disease (a BMT Study), Phase II

Participants:

SWOG, BMT CTN

Date Activated:

10/15/2005

Study Chairs:

E Smith, P Stiff, L Constine, L Rimsza,
G Laport (BMT CTN)

Date Closed:

02/01/2009

Statisticians:

H Li, M LeBlanc

Data Coordinators:

M Toth, J Jardine

Objectives

To assess the two-year progression-free survival for patients with primary progressive or recurrent Hodgkin's lymphoma treated with a tandem transplant program.

To evaluate the response rate and toxicity in patients with primary progressive or recurrent Hodgkin's lymphoma treated with this regimen.

Patient Population

Patients must have histologically or cytologically confirmed Hodgkin's disease that has relapsed after or is refractory to multiagent chemotherapy. Patients must have normal cytogenetics, as determined from a bone marrow aspirate. Patients with CNS disease involvement are ineligible.

Patients must have received systemic chemotherapy as all or part of their treatment for Hodgkin's disease.

Patients must have a Zubrod performance status of 0, 1 or 2. Patients must be at least 15 and no more than 70 years of age. Patients must have adequate hematologic, renal and pulmonary function. Patients must be free of active bacterial, fungal, or viral infection. Patients must not require therapy for

coronary artery disease, cardiomyopathy, congestive heart failure or arrhythmia, or have known HIV or AIDS.

Accrual Goals

Eighty-five eligible patients will be accrued to this study.

Summary Statement

This study was closed to accrual on February 1, 2009, after meeting its accrual goal. A total of 98 patients were registered. Six patients are ineligible due to the following reasons: inadequate pulmonary function (1), diagnosis cannot be confirmed by pathology review (2), and insufficient baseline documentation (3). Three eligible patients who did not receive any protocol treatment are not analyzable for any of the study endpoints and excluded from the tables.

Eighty-two patients completed protocol treatment as planned. Seven patients went off protocol treatment early due to the following reasons: poor engraftment (1), patient declined TBI (1), disease progression (1), and greater than 60 days between first and second cycle of HDT (4).

Eighty-nine patients have been assessed for toxicities. Seventy patients reported treatment-related Grade 4 adverse events, primarily hematologic (69). One patient who did not experience Grade 4 hematologic toxicity experienced Grade 4 hypotension. Among patients who experienced Grade 4 hematologic toxicities, fourteen patients also experienced Grade 4 non-hematologic toxicities, including febrile neutropenia (3), hypophosphatemia (3), hypokalemia (2), mucositis, clinical: oral cavity (2), mucositis, functional: oral cavity(2), and one case each of dyspnea, esophagitis, fatigue, GI pain: oral cavity, hyperuricemia, hypotension, hypoxia, blood infection, catheter-related infection, foreign body infection, and upper airway lung infection.

Among 84 patients assessed for response, there were 18 (21%) complete responses, 10 (12%) partial

responses, one (1%) unconfirmed complete response, and one (1%) unconfirmed partial response were observed. Twenty-four (29%) patients who could not have their exact response determined due to inadequate assessments are included in the denominator as non-responders. The estimated overall response rate is 36% (95% CI: 25.6% - 46.9%).

The median of follow-up among those last known alive is 6.7 years (range 2 - 7.8 years). Forty patients have either progressed or died. The Kaplan-Meier estimate of 2-year progression-free survival is 63% (95% CI: 52%, 72%). There have been 16 deaths, the Kaplan-Meier estimate of 2-year overall survival is 91% (95% CI: 83%, 95%).

Registration by Institution

Institutions	Total Reg	Institutions	Total Reg
City of Hope Med Ctr	52	Wichita NCORP	2
PCRC NCORP	20	Dayton NCORP	1
BMTCTN	9	Prov Portland MC/PCRC NCORP	1
Loyola University	5	St Luke's Mt State/PCRC NCORP	1
Tulane University	4	Total (10 Institutions)	98
Davis, U of CA	3		

Registration, Eligibility, and Evaluability

Data as of August 27, 2015

	2 cyc HDT + auto PBSCT
NUMBER REGISTERED	98
INELIGIBLE	6
Insufficient Documentation	3
Irreversible	3
ELIGIBLE	92
Not Analyzable	3
RESPONSE ASSESSMENT	
Determinable	60
Not Determinable	24
Not Applicable	5
ADVERSE EVENT ASSESSMENT	
Evaluable	89

Patient Characteristics

Data as of August 27, 2015

	2 cyc HDT + auto PBSCT (n=89)	
AGE		
Median	34.4	
Minimum	18.2	
Maximum	60.3	
SEX		
Males	48	54%
Females	41	46%
HISPANIC		
Yes	2	2%
No	53	60%
Unknown	34	38%
RACE		
White	75	84%
Black	6	7%
Asian	4	4%
Unknown	4	4%
LYMPHOMA DISEASE STATUS		
Recurrent	49	55%
Refractory	40	45%
HISTOLOGY		
Nodular Sclerosis	77	87%
Mixed Cellularity	5	6%
Lymphocyte Predominant	2	2%
Other Hodgkins	5	6%
PERFORMANCE STATUS		
0	64	72%
1	25	28%
CURRENT STAGE OF DISEASE		
I	1	1%
II	10	11%
III	53	60%
IV	21	24%
Unknown	4	4%
SYMPTOMS		
A	52	58%
B	37	42%

Treatment Summary

Data as of August 27, 2015

	2 cyc HDT + auto PBSCT
NUMBER ON PROTOCOL TREATMENT	0
NUMBER OFF PROTOCOL TREATMENT	89
REASON OFF TREATMENT	
Treatment completed as planned	82
Adverse Event or side effects	0
Refusal unrelated to adverse event	1
Progression/relapse	1
Death	0
Other - not protocol specified	5
Reason under review	0
MAJOR PROTOCOL DEVIATIONS	0

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

Adverse Events Unlikely or Not Related to Treatment Excluded

Data as of August 27, 2015

	2 cyc HDT + auto PBSCT (n=89) Grade					
ADVERSE EVENTS	0	1	2	3	4	5
ALT	44	28	11	6	0	0
AST	43	38	4	4	0	0
Acne	87	1	1	0	0	0
Alkaline phosphatase	65	21	3	0	0	0
Allergic reaction	85	0	1	3	0	0
Allergy-other	88	1	0	0	0	0
Alopecia	60	5	24	0	0	0
Anorexia	37	20	13	19	0	0
Ascites	88	1	0	0	0	0
Atelectasis	88	1	0	0	0	0
Auditory/Ear-other	87	1	1	0	0	0
Bicarbonate, serum-low	53	34	2	0	0	0
Bilirubin	84	4	0	1	0	0
Bronchospasm	85	2	2	0	0	0
Bruising	87	2	0	0	0	0
Cardiac General-other	87	2	0	0	0	0
Cheilitis	88	0	1	0	0	0
Cholesterol	84	4	1	0	0	0
Colitis, infectious	87	0	2	0	0	0
Cond. Abn.: NOS	88	1	0	0	0	0
Confusion	88	0	0	1	0	0
Constipation	66	22	1	0	0	0
Constitutional Symptoms-other	87	1	0	1	0	0
Cough	62	25	1	1	0	0
Creatinine	72	15	2	0	0	0

2 cyc HDT + auto PBSCT

(n=89)

Grade

ADVERSE EVENTS	0	1	2	3	4	5
Cystitis	88	1	0	0	0	0
DLCO	88	0	1	0	0	0
Dehydration	82	0	1	6	0	0
Dermatology-other	67	21	0	1	0	0
Diarrhea	26	40	16	7	0	0
Distension	81	7	1	0	0	0
Dizziness	60	25	4	0	0	0
Dry eye	88	1	0	0	0	0
Dry mouth	72	15	1	1	0	0
Dry skin	81	8	0	0	0	0
Dysphagia	77	6	1	5	0	0
Dyspnea	71	9	4	4	1	0
Ear Pain: external ear	87	2	0	0	0	0
Edema-head and neck	85	4	0	0	0	0
Edema-larynx	88	0	1	0	0	0
Edema-limb	69	16	3	1	0	0
Esophagitis	78	2	5	3	1	0
Eye Op Inj: cornea	88	0	1	0	0	0
Eye Pain: eye	87	2	0	0	0	0
FEV1	86	1	2	0	0	0
Fatigue	28	27	30	3	1	0
Febrile neutropenia	43	0	0	43	3	0
Fever	57	14	16	2	0	0
Flu-like syndrome	86	1	2	0	0	0
Flushing	78	8	3	0	0	0
GGT	84	4	1	0	0	0
GI Hemorrhage: rectum	88	1	0	0	0	0
GI Hemorrhage: upper GI	88	1	0	0	0	0
GI Inf, 3-4 ANC: abdomen, NOS	88	0	0	1	0	0
GI Inf, 3-4 ANC: rectum	87	0	1	1	0	0
GI Inf, 3-4 ANC: stomach	88	0	0	1	0	0
GI Pain: abdomen	60	23	6	0	0	0
GI Pain: anus	86	2	1	0	0	0
GI Pain: esophagus	87	2	0	0	0	0
GI Pain: oral cavity	70	12	5	1	1	0
GI Pain: rectum	81	6	2	0	0	0
GI Pain: stomach	79	9	1	0	0	0
GI-other	82	7	0	0	0	0
GU Hemorrhage: urinary	84	4	1	0	0	0
GU Hemorrhage: vagina	87	1	1	0	0	0
GU Inf, Unk ANC: UTI	88	0	1	0	0	0
GU Obstruction: bladder	88	0	1	0	0	0
GU Pain: bladder	86	3	0	0	0	0
Gait/walking	88	1	0	0	0	0
Gastritis	84	1	4	0	0	0
Hand-foot	85	1	3	0	0	0
Hearing (w/o monit. prog.)	87	0	2	0	0	0
Heartburn	61	24	4	0	0	0
Hematoma	87	2	0	0	0	0
Hemoglobin	23	2	43	20	1	0
Hemorrhage-other	83	5	0	1	0	0

**2 cyc HDT + auto PBSCT
(n=89)**

ADVERSE EVENTS	Grade					
	0	1	2	3	4	5
Hemorrhoids	84	1	4	0	0	0
Hiccoughs	82	1	6	0	0	0
Hot flashes	85	3	1	0	0	0
Hypercalcemia	80	9	0	0	0	0
Hyperglycemia	40	12	32	5	0	0
Hypermagnesemia	85	3	0	1	0	0
Hypernatremia	88	1	0	0	0	0
Hyperpigmentation	78	10	1	0	0	0
Hypertension	78	10	1	0	0	0
Hypertriglyceridemia	83	4	2	0	0	0
Hyperuricemia	82	6	0	0	1	0
Hypoalbuminemia	36	30	23	0	0	0
Hypocalcemia	38	30	20	1	0	0
Hypoglycemia	83	6	0	0	0	0
Hypokalemia	36	40	0	11	2	0
Hypomagnesemia	62	22	5	0	0	0
Hyponatremia	51	27	0	11	0	0
Hypophosphatemia	45	5	14	22	3	0
Hypotension	47	11	21	9	1	0
Hypoxia	80	0	5	3	1	0
Incontinence, anal	87	2	0	0	0	0
Inf, 0-2 ANC: blood	87	0	0	2	0	0
Inf, 0-2 ANC: cath.-related	88	0	0	1	0	0
Inf, 3-4 ANC: blood	87	0	0	1	1	0
Inf, 3-4 ANC: cath-related	88	0	0	0	1	0
Inf, 3-4 ANC: foreign body	88	0	0	0	1	0
Inf, Unk ANC: blood	88	0	0	1	0	0
Infection-other	75	6	3	5	0	0
Injection site reaction	87	2	0	0	0	0
Insomnia	54	27	8	0	0	0
Leukocytes	25	0	0	0	64	0
Lung Hemorrhage: nose	81	5	1	2	0	0
Lung Hemorrhage: resp. tract	88	1	0	0	0	0
Lung Inf, 0-2 ANC: up. airway	88	0	1	0	0	0
Lung Inf, 3-4 ANC: lung	85	0	1	3	0	0
Lung Inf, 3-4 ANC: pharynx	88	0	1	0	0	0
Lung Inf, 3-4 ANC: sinus	87	0	1	1	0	0
Lung Inf, 3-4 ANC: up. airway	88	0	0	0	1	0
Lung Inf, Unk ANC: sinus	88	0	1	0	0	0
Lung Pain: chest wall	80	9	0	0	0	0
Lung Pain: chest/thorax	80	8	1	0	0	0
Lung Pain: sinus	87	2	0	0	0	0
Lung Pain: throat/phar/lar	62	20	4	3	0	0
Lymphatic Pain: lymph node	88	1	0	0	0	0
Lymphatics-other	88	0	0	1	0	0
Lymphopenia	38	1	1	2	47	0
Metabolic/Lab-other	85	0	4	0	0	0
Mood alteration: agitation	84	5	0	0	0	0
Mood alteration: anxiety	59	22	8	0	0	0
Mood alteration: depression	79	3	5	2	0	0
Mucositis, clin: oral cavity	62	10	8	7	2	0

2 cyc HDT + auto PBSCT

(n=89)

Grade

ADVERSE EVENTS	0	1	2	3	4	5
Mucositis, clin: pharynx	56	15	10	8	0	0
Mucositis, funct: esophagus	88	0	1	0	0	0
Mucositis, funct: oral cav.	75	4	4	4	2	0
Mucositis, funct: pharynx	66	7	6	10	0	0
Mucositis, funct: stomach	88	1	0	0	0	0
Muscle weakness: whole body	72	12	5	0	0	0
Musculo. Pain: back	64	19	6	0	0	0
Musculo. Pain: bone	78	6	5	0	0	0
Musculo. Pain: joint	82	4	1	2	0	0
Musculo. Pain: limb	83	4	2	0	0	0
Musculo. Pain: muscle	83	6	0	0	0	0
Musculo. Pain: neck	86	1	2	0	0	0
Nail changes	88	1	0	0	0	0
Nasal/paranasal reactions	85	2	2	0	0	0
Nausea	8	19	30	32	0	0
Neuro Pain: head/headache	43	27	17	2	0	0
Neuro Pain: neuralg/periph nrv	88	0	1	0	0	0
Neurop: mot-jaw; sens-facial	88	1	0	0	0	0
Neuropathy-motor	88	1	0	0	0	0
Neuropathy-sensory	80	8	1	0	0	0
Neutrophils	23	0	0	3	63	0
Nystagmus	88	0	1	0	0	0
Ocular-other	84	4	1	0	0	0
Opportunistic infection	88	0	0	1	0	0
Pain-other	63	16	8	2	0	0
Pain: NOS	87	2	0	0	0	0
Pain: tumor pain	85	1	3	0	0	0
Palpitations	88	1	0	0	0	0
Pericardial effusion	87	2	0	0	0	0
Petechiae	87	1	1	0	0	0
Photophobia	88	1	0	0	0	0
Platelets	17	3	0	8	61	0
Pleural effusion	86	2	1	0	0	0
Pneumonitis	76	2	8	3	0	0
Pruritus	76	9	3	1	0	0
Psychosis	87	0	1	1	0	0
Pulmonary hypertension	88	0	0	1	0	0
Pulmonary-other	78	11	0	0	0	0
RT Dermatitis: ChemoRT derm.	87	0	2	0	0	0
RT Dermatitis: RT dermatitis	86	3	0	0	0	0
Rash	60	9	16	4	0	0
Renal-other	85	4	0	0	0	0
Restrictive cardiomyopathy	88	0	1	0	0	0
Rhinitis	78	7	4	0	0	0
Rigors/chills	54	21	14	0	0	0
Salivary gland changes	86	3	0	0	0	0
Sexual-other	88	1	0	0	0	0
Sexual/Repro. Pain: pelvis	87	1	1	0	0	0
Sexual/Repro. Pain: penis	88	1	0	0	0	0
Sexual/Repro. Pain: prostate	88	0	1	0	0	0
Sexual/Repro. Pain: scrotum	87	2	0	0	0	0

**2 cyc HDT + auto PBSCT
(n=89)**

ADVERSE EVENTS	Grade					
	0	1	2	3	4	5
Sexual/Repro. Pain: testicle	88	1	0	0	0	0
Sexual/Repro. Pain: vagina	88	1	0	0	0	0
Skin Inf, 0-2 ANC: skin	87	0	2	0	0	0
Skin Inf, 3-4 ANC: skin	86	0	2	1	0	0
Skin Inf, Unk ANC: skin	88	0	0	1	0	0
Skin Pain: face	84	5	0	0	0	0
Skin Pain: gums	88	1	0	0	0	0
Skin Pain: lip	88	1	0	0	0	0
Skin Pain: skin	88	1	0	0	0	0
Somnolence	76	0	13	0	0	0
Supra Arrhyth: Sinus Brady.	85	4	0	0	0	0
Supra Arrhyth: Sinus Tachy.	60	26	3	0	0	0
Supra Arrhyth: Supra Tachy.	88	0	0	1	0	0
Sweating	79	9	1	0	0	0
Syndromes-other	87	0	0	2	0	0
Taste alteration	76	10	3	0	0	0
Thrombosis/embolism	87	0	0	2	0	0
Tremor	87	2	0	0	0	0
Ulceration	88	0	1	0	0	0
Urinary frequency	85	3	1	0	0	0
Urinary retention	88	0	1	0	0	0
Vaginal discharge	87	1	1	0	0	0
Vaginal mucositis	88	0	1	0	0	0
Vaginitis	87	0	2	0	0	0
Valvular heart disease	88	0	1	0	0	0
Vent Arrhyth: Vent Tachy.	88	1	0	0	0	0
Vital capacity	87	0	2	0	0	0
Vomiting	20	18	39	12	0	0
Watery eye	88	1	0	0	0	0
Weight Loss	68	15	6	0	0	0
Weight gain	81	7	1	0	0	0
MAX. GRADE ANY ADVERSE EVENT	2	1	0	16	70	0

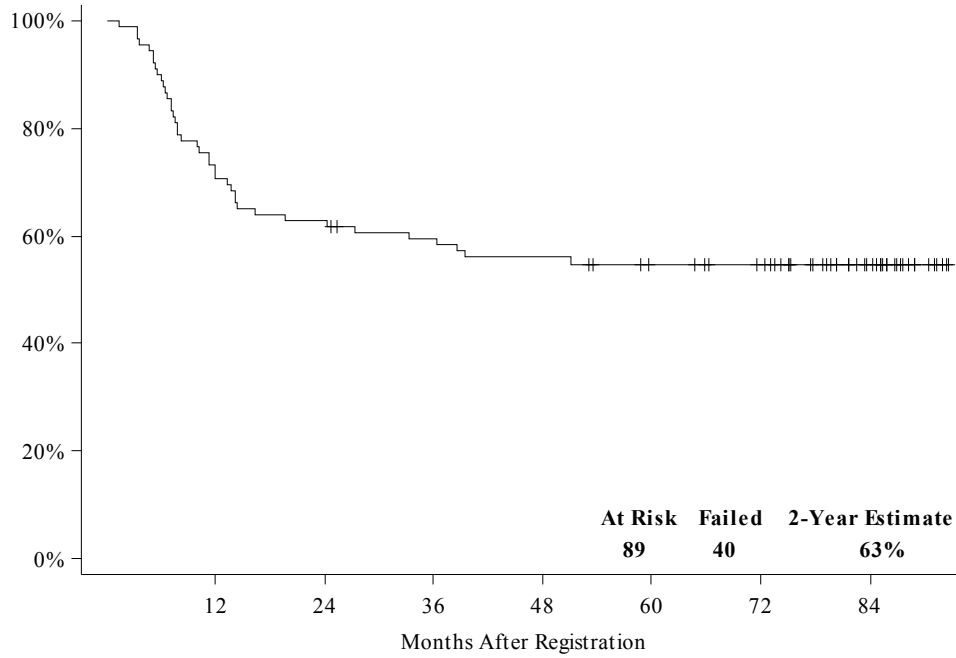
Response

Data as of August 27, 2015

	2 cyc HDT +uto PBSCT	
	N	%
Complete Response	18	21
Partial Response	10	12
Unconfirmed Complete Response	1	1
Unconfirmed Partial Response	1	1
Stable/No Response	25	30
Increasing Disease	5	6
Assessment Inadequate	24	29
Total	84	100

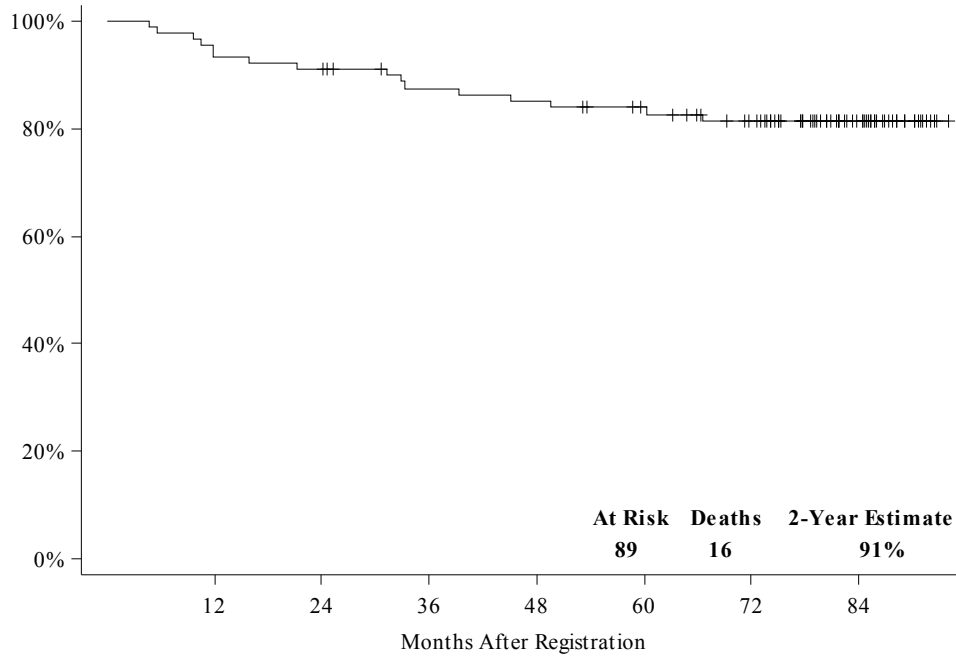
Progression-Free Survival

Data as of August 27, 2015



Overall Survival

Data as of August 27, 2015



S0601 Phase II

Phase II Study of Combination Rituximab-CHOP and Bortezomib (Velcade®) Induction Therapy Followed By Bortezomib Maintenance Therapy For Patients With Newly Diagnosed Mantle Cell Lymphoma

Study Chairs:

B Till, R Fisher, L Rimsza

Date Activated:

08/15/2006

Statisticians:

H Li, M LeBlanc

Date Closed:

06/01/2008

Data Coordinator:

J Jardine

Objectives

To estimate the 2-year progression-free survival rate in newly diagnosed patients with mantle cell lymphoma treated with rituximab-CHOP-bortezomib induction therapy (R-CHOP-V) followed by bortezomib maintenance therapy (VM).

To estimate the response rate (complete, complete unconfirmed, and partial responses) in newly diagnosed patients with mantle cell lymphoma treated with this regimen.

To evaluate the toxicity of bortezomib maintenance therapy (VM) in newly diagnosed patients with mantle cell lymphoma.

To bank tissue and serum from patients with mantle cell lymphoma for future correlative studies.

Patient Population

Patients must have previously untreated Stage III, IV, or bulky Stage II mantle cell lymphoma. Patients must have bidimensionally measurable disease, with no CNS involvement.

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

Patients must be at least 18 years old and have a Zubrod performance status of 0, 1 or 2. Patients known to be HIV positive are not eligible.

Accrual Goals

Sixty eligible patients will be accrued to this study.

Summary Statement

This study was closed to initial registrations on June 1, 2008, having met its accrual goal. Sixty-eight patients registered to this study. Three patients are ineligible: two patients had incorrect histology based on the central pathology review and one patient had insufficient baseline documentation.

Sixty-one patients completed induction therapy as planned. Four patients went off induction treatment early, one due to progressive disease and three due to adverse events including fatigue and pneumonitis.

All 65 eligible patients have been assessed for toxicities during induction therapy. One patient died from possibly treatment-related complete cardiac atrioventricular block (coded as "Sudden death") on Day 20 after completion of induction therapy; this patient also experienced Grade 4 hematologic toxicities. Thirty-one patients experienced Grade 4 toxicities as maximum degree, primarily hematologic (30). Four patients experienced Grade 4 non-hematologic toxicities: hyperuricemia (1), febrile neutropenia (1), and fatigue (2).

This study was closed to registrations to maintenance therapy on February 25, 2009 after 50 patients had gone on to maintenance therapy. Three patients are ineligible because these patients were ineligible for the initial registration. Eighteen patients did not go

onto maintenance therapy due to the following reasons: progressive disease (5, one patient during induction and four between induction and maintenance), toxicity during induction (3), withdrawal to pursue autologous stem cell transplant (2), neuropathy (2), death that was non-cancer and non-treatment related (2), patient's refusal (2), and other reasons (2).

Twenty-seven patients completed maintenance therapy as planned and 20 patients went off maintenance therapy early due to the following reasons: Grade 3 fatigue (1), withdrew consent due to insurance issues (1), and progressive disease (18). The median duration of treatment on maintenance therapy was 20.7 months (range 14 days – 24.8 months).

Forty-seven eligible patients have been assessed for toxicities on maintenance therapy. One patient experienced Grade 4 lymphopenia. An additional seven patients experienced Grade 3 toxicities as maximum degree: one with fatigue and dyspnea, one with sinus infection, one with GGT, one with headache, one with urticaria, one with lymphopenia, and one with neuropathy-sensory.

Of 65 eligible patients assessed for response following induction therapy with R-CHOP-Velcade,

52 patients achieved an objective response to therapy, including 20 (31%) complete responses (CR), 23 (35%) partial responses (PR), and 9 (14%) unconfirmed complete responses (CRu). Nine additional patients (14%) did not have adequate assessments to determine response but were included in the denominator as non-responders. The estimated response rate during induction therapy is 80% (95% CI: 68.2 - 88.9%). Following maintenance therapy, seven partial responders to induction therapy plus one patient with inadequate assessment after induction converted to a CR/CRu, and one patient with stable disease converted to a PR, for an overall best response rate of 83% (57% CR/CRu and 26% PR) (95% CI: 71.7%, 91.2%) during the study. Median duration of response was 27.7 months, and median duration of CR/CRu was 30.3 months.

The median of follow-up among those last known alive is 7 years (range 2.1 - 8.0 years). Fifty-two patients have either progressed or died, with median progression-free survival (PFS) of 2.5 years (95% CI 1.9, 3.0). The Kaplan-Meier estimate of 2-year PFS is 62% (95% CI: 48.6%, 72.1%). There have been 27 deaths, with median overall survival (OS) not yet reached. The Kaplan-Meier estimate of 2-year OS is 85% (95% CI: 73.3%, 91.4%).

Registration by Institution

Institutions	Total Reg	Institutions	Total Reg
Rochester, Univ of	11	Breslin Cancer Ctr/Henry Ford Hosp	1
Heartland NCORP	7	Cincinnati MC, U of	1
Southeast COR NCORP	7	Hawaii MU-NCORP	1
Wichita NCORP	6	Interlakes Foundatn/Rochester, Univ of	1
CRC West MI NCORP	4	Kansas City NCORP	1
Dayton NCORP	4	Kansas, U of	1
Montana NCORP	4	McKay-Dee Hospital/Intermountain MC	1
Arizona MC, U of	3	Orange Reg Med Ctr/Columbia University	1
UF Cancer Center/Arkansas, U of	3	PCRC NCORP	1
Columbus NCORP	2	St Luke's Mt State/PCRC NCORP	1
Poudre Valley Hosp/Colorado, U of	2	Upstate Carolina	1
Prov Portland MC/PCRC NCORP	2	Utah Valley Reg Med/Intermountain MC	1
Boston Medical Ctr	1	Total (25 Institutions)	68

Registration, Eligibility, and Evaluability

Initial Registration

Data as of August 27, 2015

	R-CHOP - Velcade
NUMBER REGISTERED	68
INELIGIBLE	3
Insufficient Documentation	1
Irreversible	1
ELIGIBLE	65
RESPONSE ASSESSMENT	
Determinable	56
Not Determinable	9
ADVERSE EVENT ASSESSMENT	
Evaluable	65

Patient Characteristics

Initial Registration

Data as of August 27, 2015

	R-CHOP - Velcade (n=65)	
AGE		
Median	61.0	
Minimum	36.5	
Maximum	85.1	
SEX		
Males	52	80%
Females	13	20%
HISPANIC		
Yes	1	2%
No	51	78%
Unknown	13	20%
RACE		
White	61	94%
Black	2	3%
Asian	1	2%
Pacific Islander	1	2%
SYMPTOMS		
A	47	72%
B	18	28%

	R-CHOP - Velcade (n=65)	
BULKY DISEASE		
N	55	85%
Y	10	15%
BONE MARROW BIOPSY		
NEG	15	23%
POS	50	77%
STAGE OF DISEASE		
II	1	2%
III	10	15%
IV	54	83%
PERFORMANCE STATUS		
0	39	60%
1	24	37%
2	2	3%

Treatment Summary

Induction

Data as of August 27, 2015

	R-CHOP - Velcade
NUMBER ON PROTOCOL TREATMENT	0
NUMBER OFF PROTOCOL TREATMENT	65
REASON OFF TREATMENT	
Treatment completed as planned	61
Adverse Event or side effects	3
Refusal unrelated to adverse event	0
Progression/relapse	1
Death	0
Other - not protocol specified	0
Reason under review	0
MAJOR PROTOCOL DEVIATIONS	0

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

Induction

Adverse Events Unlikely or Not Related to Treatment Excluded

Data as of August 27, 2015

ADVERSE EVENTS	R-CHOP - Velcade (n=65) Grade					
	0	1	2	3	4	5
ALT	59	5	1	0	0	0
AST	59	6	0	0	0	0
Acne	64	1	0	0	0	0
Alkaline phosphatase	60	5	0	0	0	0
Allergic reaction	60	3	2	0	0	0
Allergy-other	64	1	0	0	0	0
Alopecia	27	11	27	0	0	0
Anorexia	47	11	6	1	0	0
Bilirubin	63	2	0	0	0	0
Blurred vision	56	8	1	0	0	0
Bronchospasm	64	0	1	0	0	0
Bruising	63	2	0	0	0	0
Cardiac Arrhythmia-other	64	0	1	0	0	0
Cardiac General-other	64	1	0	0	0	0
Cardio. Pain: cardiac/heart	64	1	0	0	0	0
Coagulation-other	64	1	0	0	0	0
Cognitive disturbance	64	1	0	0	0	0
Constipation	33	21	10	1	0	0
Constitutional Symptoms-other	63	2	0	0	0	0
Cough	53	10	2	0	0	0
Creatinine	58	5	2	0	0	0
Cystitis	63	0	2	0	0	0
Cytokine release syndrome	63	0	2	0	0	0
Decubitus	64	0	1	0	0	0
Dehydration	60	0	4	1	0	0
Dermatology-other	64	0	1	0	0	0
Diarrhea	52	8	2	3	0	0
Diplopia	64	1	0	0	0	0
Distension	63	0	2	0	0	0
Dizziness	57	6	1	1	0	0
Dry eye	62	2	1	0	0	0
Dry mouth	62	3	0	0	0	0
Dry skin	62	3	0	0	0	0
Dysphagia	64	1	0	0	0	0
Dyspnea	58	4	2	1	0	0
Ear Inf, 0-2 ANC: ext. ear	64	0	0	1	0	0
Ear Inf, 0-2 ANC: mid. ear	64	0	1	0	0	0
Ear Pain: external ear	64	1	0	0	0	0
Edema-limb	54	9	1	1	0	0
Erythema multiforme	64	0	1	0	0	0
Fatigue	14	28	17	4	2	0
Febrile neutropenia	53	0	0	11	1	0
Fever	60	4	1	0	0	0
Flashing lights	64	1	0	0	0	0

**R-CHOP - Velcade
(n=65)**

ADVERSE EVENTS	Grade					
	0	1	2	3	4	5
Flatulence	64	1	0	0	0	0
Flushing	62	2	1	0	0	0
GGT	63	1	0	1	0	0
GI Inf, 0-2 ANC: gums	64	0	0	1	0	0
GI Inf, 3-4 ANC: abdomen, NOS	64	0	1	0	0	0
GI Inf, 3-4 ANC: gums	63	0	1	1	0	0
GI Pain: abdomen	58	5	2	0	0	0
GI Pain: dental	63	2	0	0	0	0
GI Pain: oral cavity	64	0	1	0	0	0
GI Pain: rectum	64	0	1	0	0	0
GI Pain: stomach	64	1	0	0	0	0
GI-other	63	1	1	0	0	0
GU Inf, 0-2 ANC: UTI	64	0	1	0	0	0
Gastritis	64	1	0	0	0	0
Heartburn	55	6	4	0	0	0
Hemoglobin	17	27	18	3	0	0
Hemorrhage-other	63	2	0	0	0	0
Hemorrhoids	62	3	0	0	0	0
Hiccoughs	61	1	3	0	0	0
Hot flashes	63	2	0	0	0	0
Hypercalcemia	64	1	0	0	0	0
Hyperglycemia	44	15	3	3	0	0
Hyperkalemia	64	0	1	0	0	0
Hypertension	63	0	2	0	0	0
Hyperuricemia	63	1	0	0	1	0
Hypoalbuminemia	57	3	4	1	0	0
Hypocalcemia	57	5	2	1	0	0
Hypoglycemia	64	1	0	0	0	0
Hypokalemia	61	2	0	2	0	0
Hypomagnesemia	63	2	0	0	0	0
Hyponatremia	58	7	0	0	0	0
Hypophosphatemia	64	0	0	1	0	0
Hypotension	61	0	4	0	0	0
Hypoxia	64	0	0	1	0	0
Infection-other	62	0	2	1	0	0
Insomnia	50	10	5	0	0	0
Involuntary movement	63	2	0	0	0	0
Leukocytes	20	6	13	16	10	0
Lung Hemorrhage: nose	64	1	0	0	0	0
Lung Inf, 0-2 ANC: lung	64	0	0	1	0	0
Lung Inf, 0-2 ANC: pharynx	64	0	1	0	0	0
Lung Inf, 0-2 ANC: sinus	64	0	1	0	0	0
Lung Inf, 3-4 ANC: lung	62	0	0	3	0	0
Lung Inf, 3-4 ANC: sinus	63	0	1	1	0	0
Lung Inf, Unk ANC: up. airway	64	0	1	0	0	0
Lung Pain: chest/thorax	64	1	0	0	0	0
Lymphopenia	38	2	10	11	4	0
Memory impairment	64	0	1	0	0	0
Metabolic/Lab-other	58	5	2	0	0	0
Mood alteration: agitation	63	2	0	0	0	0
Mood alteration: anxiety	61	2	2	0	0	0

**R-CHOP - Velcade
(n=65)**

ADVERSE EVENTS	Grade					
	0	1	2	3	4	5
Mood alteration: depression	61	3	1	0	0	0
Mucositis, clin: oral cavity	61	2	2	0	0	0
Mucositis, clin: pharynx	64	1	0	0	0	0
Mucositis, funct: oral cav.	55	5	4	1	0	0
Muscle weakness: low. extrem.	63	1	1	0	0	0
Muscle weakness: whole body	60	3	1	1	0	0
Musculo. Pain: back	62	2	1	0	0	0
Musculo. Pain: bone	63	1	1	0	0	0
Musculo. Pain: joint	53	10	2	0	0	0
Musculo. Pain: limb	64	1	0	0	0	0
Musculo. Pain: muscle	52	12	1	0	0	0
Musculo. Pain: neck	64	1	0	0	0	0
Musculoskeletal-other	64	0	1	0	0	0
Nail changes	64	1	0	0	0	0
Nausea	29	26	7	3	0	0
Neuro Inf, 0-2 ANC: periph nrv	64	0	0	1	0	0
Neuro Pain: head/headache	60	4	1	0	0	0
Neurology-other	64	1	0	0	0	0
Neurop: mot-jaw; sens-facial	64	0	0	1	0	0
Neuropathy-motor	61	0	2	2	0	0
Neuropathy-sensory	26	31	6	2	0	0
Neutrophils	24	2	5	9	25	0
Ocular-other	63	2	0	0	0	0
Pain-other	64	0	1	0	0	0
Pain: NOS	64	1	0	0	0	0
Palpitations	63	2	0	0	0	0
Pericardial effusion	64	1	0	0	0	0
Phlebitis	64	0	1	0	0	0
Photophobia	64	1	0	0	0	0
Platelets	38	11	5	5	6	0
Pleural effusion	64	0	1	0	0	0
Pneumonitis	64	0	0	1	0	0
Pruritus	63	1	0	1	0	0
Pulmonary-other	64	1	0	0	0	0
Rash	60	3	2	0	0	0
Renal failure	64	0	0	1	0	0
Rhinitis	59	4	2	0	0	0
Rigors/chills	54	6	5	0	0	0
Salivary gland changes	64	1	0	0	0	0
Skin Inf, 0-2 ANC: lip/perior	64	0	1	0	0	0
Skin Inf, 3-4 ANC: lip/perior.	64	0	1	0	0	0
Skin Inf, 3-4 ANC: skin	63	0	2	0	0	0
Skin Pain: scalp	64	0	1	0	0	0
Sudden death	64	0	0	0	0	1
Supra Arrhyth: Sinus Tachy.	64	1	0	0	0	0
Sweating	60	3	2	0	0	0
Syncope	63	0	0	2	0	0
Taste alteration	51	10	4	0	0	0
Thrombosis/embolism	63	0	1	1	0	0
Thrombosis/embolism (vasc acc)	64	0	0	1	0	0
Tremor	64	1	0	0	0	0

R-CHOP - Velcade						
(n=65)						
Grade						
ADVERSE EVENTS	0	1	2	3	4	5
Urinary frequency	59	6	0	0	0	0
Urticaria	62	0	3	0	0	0
Vascular-other	64	0	1	0	0	0
Voice changes	63	2	0	0	0	0
Vomiting	51	10	3	1	0	0
Watery eye	59	3	3	0	0	0
Weight Loss	57	3	5	0	0	0
Weight gain	63	2	0	0	0	0
MAX. GRADE ANY ADVERSE EVENT	2	2	11	18	31	1

Response

Induction

Data as of August 27, 2015

	R-CHOP -Velcade	
	N	%
Complete Response	20	31
Partial Response	23	35
Unconfirmed Complete Response	9	14
Unconfirmed Partial Response	0	0
Stable/No Response	3	5
Increasing Disease	1	2
Assessment Inadequate	9	14
Total	65	100

Registration, Eligibility, and Evaluability

Maintenance

Data as of August 27, 2015

	Velcade Maintenance (VM)
NUMBER REGISTERED	50
INELIGIBLE	3
Insufficient Documentation	1
Irreversible	1
ELIGIBLE	47
RESPONSE ASSESSMENT	
Determinable	46
Not Determinable	1
ADVERSE EVENT ASSESSMENT	
Evaluable	47

Treatment Summary

Maintenance

Data as of August 27, 2015

	Velcade Maintenance (VM)
NUMBER ON PROTOCOL TREATMENT	0
NUMBER OFF PROTOCOL TREATMENT	47
REASON OFF TREATMENT	
Treatment completed as planned	27
Adverse Event or side effects	1
Refusal unrelated to adverse event	1
Progression/relapse	18
Death	0
Other - not protocol specified	0
Reason under review	0
MAJOR PROTOCOL DEVIATIONS	0

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

Maintenance

Adverse Events Unlikely or Not Related to Treatment Excluded

Data as of August 27, 2015

ADVERSE EVENTS	Velcade Maintenance (VM)					
	(n=47)					
	Grade					
	0	1	2	3	4	5
ALT	46	1	0	0	0	0
AST	46	1	0	0	0	0
Acne	45	0	2	0	0	0
Alkaline phosphatase	45	2	0	0	0	0
Alopecia	45	2	0	0	0	0
Anorexia	43	3	1	0	0	0
Arthritis	46	0	1	0	0	0
Ataxia	46	1	0	0	0	0
Auditory/Ear-other	45	1	1	0	0	0
Bilirubin	42	5	0	0	0	0
Bruising	46	1	0	0	0	0
CPK	46	1	0	0	0	0
Constipation	40	5	2	0	0	0
Cough	42	4	1	0	0	0
Creatinine	42	4	1	0	0	0
Cytokine release syndrome	46	1	0	0	0	0
Diarrhea	42	4	1	0	0	0
Distension	46	0	1	0	0	0
Dizziness	45	2	0	0	0	0
Dry mouth	46	1	0	0	0	0
Dry skin	43	3	1	0	0	0
Dyspnea	43	1	2	1	0	0

Velcade Maintenance (VM)

(n=47)

Grade

ADVERSE EVENTS	0	1	2	3	4	5
Ear Inf, Unk ANC: ext. ear	46	0	1	0	0	0
Edema-limb	44	3	0	0	0	0
Eye Pain: eye	46	1	0	0	0	0
Fatigue	24	18	4	1	0	0
GGT	46	0	0	1	0	0
GI Hemorrhage: upper GI	46	1	0	0	0	0
GI Pain: abdomen	44	2	1	0	0	0
GI-other	45	2	0	0	0	0
Gastritis	46	0	1	0	0	0
Heartburn	45	1	1	0	0	0
Hemoglobin	33	13	1	0	0	0
Hyperglycemia	35	11	1	0	0	0
Hyperkalemia	46	1	0	0	0	0
Hypermagnesemia	46	1	0	0	0	0
Hypertension	46	1	0	0	0	0
Hyperuricemia	46	1	0	0	0	0
Hypoalbuminemia	45	2	0	0	0	0
Hypophosphatemia	46	1	0	0	0	0
Infection-other	46	1	0	0	0	0
Insomnia	44	3	0	0	0	0
Leukocytes	34	9	4	0	0	0
Lung Inf, 0-2 ANC: bronch.	46	0	1	0	0	0
Lung Inf, 0-2 ANC: nose	46	0	1	0	0	0
Lung Inf, 0-2 ANC: sinus	45	0	1	1	0	0
Lung Inf, 0-2 ANC: up. airway	43	0	4	0	0	0
Lymphopenia	36	3	6	1	1	0
Metabolic/Lab-other	46	1	0	0	0	0
Mood alteration: depression	46	1	0	0	0	0
Mucositis, funct: oral cav.	46	0	1	0	0	0
Muscle weakness: low. extrem.	46	0	1	0	0	0
Musculo. Pain: back	46	0	1	0	0	0
Musculo. Pain: joint	42	4	1	0	0	0
Musculo. Pain: muscle	42	5	0	0	0	0
Nail changes	45	1	1	0	0	0
Nausea	41	4	2	0	0	0
Neuro Pain: head/headache	41	4	1	1	0	0
Neuropathy-motor	45	2	0	0	0	0
Neuropathy-sensory	13	17	16	1	0	0
Neutrophils	44	0	3	0	0	0
Ocular-other	46	1	0	0	0	0
Pain-other	46	1	0	0	0	0
Petechiae	46	1	0	0	0	0
Platelets	29	16	2	0	0	0
Pruritus	44	3	0	0	0	0
Pulmonary hypertension	46	1	0	0	0	0
Rash	42	2	3	0	0	0
Rhinitis	45	1	1	0	0	0
Rigors/chills	44	2	1	0	0	0
Skin Inf, 0-2 ANC: skin	46	0	1	0	0	0
Skin Pain: skin	46	1	0	0	0	0
Sweating	45	2	0	0	0	0

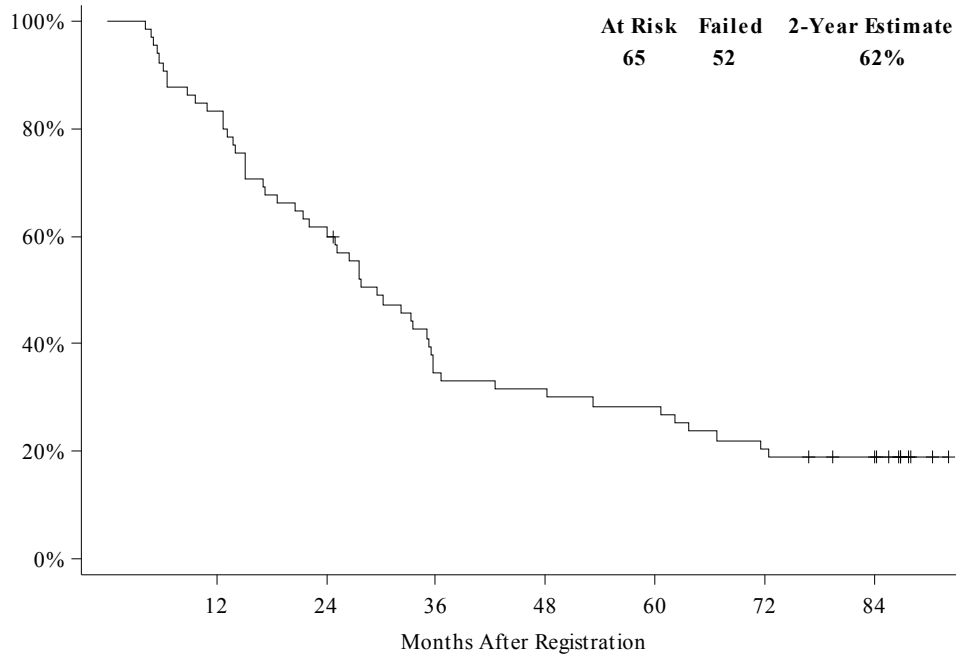
ADVERSE EVENTS	Velcade Maintenance (VM)					
	(n=47)					
	Grade					
	0	1	2	3	4	5
Taste alteration	44	3	0	0	0	0
Teeth	46	0	1	0	0	0
Urinary frequency	46	1	0	0	0	0
Urinary retention	46	1	0	0	0	0
Urticaria	45	0	1	1	0	0
Watery eye	46	1	0	0	0	0
Weight Loss	46	1	0	0	0	0
Weight gain	45	2	0	0	0	0
MAX. GRADE ANY ADVERSE EVENT	4	11	24	7	1	0

Overall Best Response
 Induction followed by Maintenance
 Data as of August 27, 2015

	Velcade Maintenance (VM)	
	N	%
Complete Response	26	40
Partial Response	17	26
Unconfirmed Complete Response	11	17
Unconfirmed Partial Response	0	0
Stable/No Response	3	5
Increasing Disease	1	2
Assessment Inadequate	7	11
Total	65	100

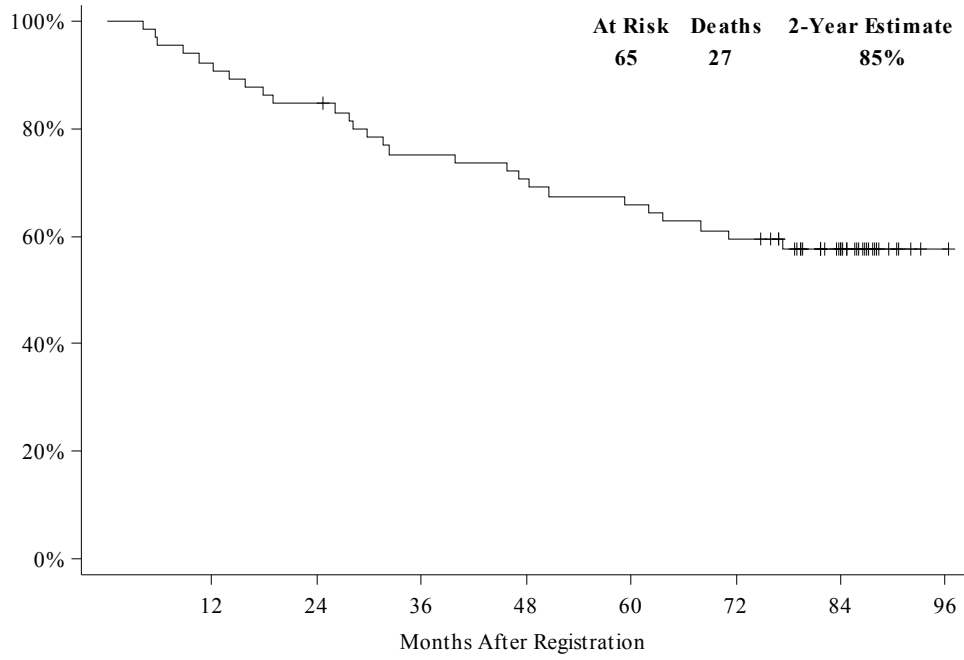
Progression-Free Survival

Data as of August 27, 2015



Overall Survival

Data as of August 27, 2015



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, T Miller, S Park (Alliance), L Swinnen (ECOG-ACRIN)

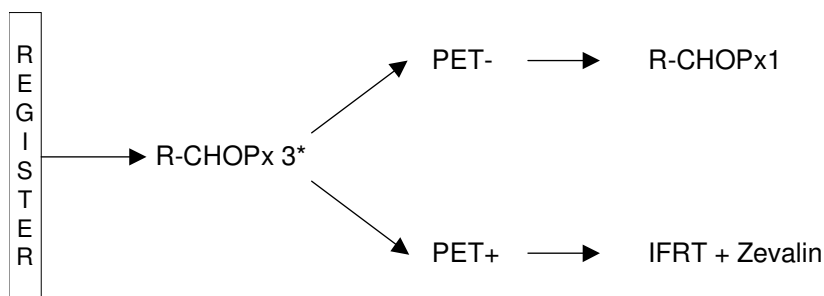
Statisticians:

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 stratified by advanced stage based on local review of the baseline PET/CT: yes vs no.

For registration step 2, patients will be stratified 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

As of June 30, 2015, 125 patients had been registered to this study, 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 fifteen patients have been assessed for toxicities on initial R-CHOP therapy. One patient died of sepsis five days after the last date of treatment during the first cycle of treatment. After review, this was found to be probably related to protocol treatment. This patient also experienced Grade 4 hematologic toxicities and febrile neutropenia. An additional 19 patients experienced Grade 4 hematologic toxicities, two of whom also experienced Grade 4 non-hematologic toxicities: febrile neutropenia and hyponatremia (1 each).

One hundred nine patients have been registered to PET-directed therapy, 98 of whom were PET-negative and registered to the continued R-CHOP therapy, and 11 of whom were PET-positive and registered to the IFRT + Zevalin therapy. One patient is ineligible due to being ineligible at step 1.

Among 89 patients on the continued R-CHOP arm that have been evaluated 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. Eight additional patients on this arm experienced treatment-related Grade 4 hematologic toxicities, one of whom also experienced Grade 4 secondary leukemia. One of the 11 patients assessed for toxicities on the IFRT + Zevalin arm experienced Grade 4 thrombocytopenia.

Registration by Institution
 Initial Registration
 Registrations ending June 30, 2015

Institutions	Total Reg	Institutions	Total Reg
Alliance	29	Loyola University	3
Rochester, Univ of	25	St Luke's Mt State/PCRC NCORP	2
ECOG-ACRIN	17	Virginia Mason MC/Northwest NCORP	2
Michigan CRC NCORP	8	City of Hope Med Ctr	1
Upstate Carolina	7	Fred Hutchinson CRC	1
Arizona MC, U of	6	Greenville NCORP	1
Yale University	5	Montana NCORP	1
Kansas City NCORP	4	Northwest NCORP	1
Wichita NCORP	4	NRG	1
Hawaii MU-NCORP	3	Southeast COR NCORP	1
Kentucky, U of	3	Total (21 Institutions)	125

Registration, Eligibility, and Evaluability
 Initial Registration
 Registrations ending June 30, 2015; Data as of July 27, 2015

	TOTAL	R-CHOP x 3	R-CHOP x 6
NUMBER REGISTERED	125	124	1
INELIGIBLE	2	2	0
Insufficient Documentation	1	1	0
Irreversible	1	1	0
ELIGIBLE	123	122	1
Analyzable, Pend. Elig.	116	115	1
RESPONSE ASSESSMENT			
Determinable	97	96	1
Not Determinable	2	2	0
Too Early	24	24	0
ADVERSE EVENT ASSESSMENT			
Evaluable	115	114	1
Too Early	8	8	0

Patient Characteristics

Initial Registration

Registrations ending June 30, 2015; Data as of July 27, 2015

	R-CHOP x 3 (n=122)		R-CHOP x 6 (n=1)	
AGE				
Median	61.8		74.3	
Minimum	18.5		74.3	
Maximum	85.5		74.3	
SEX				
Males	64	52%	0	0%
Females	58	48%	1	100%
HISPANIC				
Yes	5	4%	0	0%
No	112	92%	1	100%
Unknown	5	4%	0	0%
RACE				
White	106	87%	1	100%
Black	6	5%	0	0%
Asian	8	7%	0	0%
Native American	1	1%	0	0%
Unknown	1	1%	0	0%
PET UPSTAGED				
Yes	0	0%	1	100%
No	122	100%	0	0%

Treatment Summary

Initial Registration

Registrations ending June 30, 2015; Data as of July 27, 2015

	TOTAL	R-CHOP x 3	R-CHOP x 6
NUMBER ON PROTOCOL TREATMENT	17	17	0
NUMBER OFF PROTOCOL TREATMENT	106	105	1
REASON OFF TREATMENT			
Treatment completed as planned	103	102	1
Adverse Event or side effects	1	1	0
Refusal unrelated to adverse event	0	0	0
Other - not protocol specified	1	1	0
Reason under review	0	0	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, 2015; Data as of July 27, 2015

ADVERSE EVENTS	R-CHOP x 3 (n=114) Grade						R-CHOP x 6 (n=1) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
ALT increased	100	12	2	0	0	0	1	0	0	0	0	0
AST increased	106	8	0	0	0	0	1	0	0	0	0	0
Abdominal pain	112	2	0	0	0	0	1	0	0	0	0	0
Agitation	112	1	1	0	0	0	1	0	0	0	0	0
Alkaline phosphatase increased	109	4	1	0	0	0	1	0	0	0	0	0
Allergic reaction	108	1	5	0	0	0	1	0	0	0	0	0
Alopecia	67	16	31	0	0	0	0	0	1	0	0	0
Anal hemorrhage	113	1	0	0	0	0	1	0	0	0	0	0
Anemia	59	41	10	4	0	0	0	1	0	0	0	0
Anorexia	99	11	4	0	0	0	0	1	0	0	0	0
Anxiety	109	1	4	0	0	0	1	0	0	0	0	0
Arthralgia	108	5	1	0	0	0	1	0	0	0	0	0
Back pain	110	3	1	0	0	0	1	0	0	0	0	0
Bloating	112	0	2	0	0	0	1	0	0	0	0	0
Blood bilirubin increased	112	2	0	0	0	0	1	0	0	0	0	0
Blurred vision	112	2	0	0	0	0	1	0	0	0	0	0
Bone pain	105	5	4	0	0	0	1	0	0	0	0	0
CD4 lymphocytes decreased	111	0	1	2	0	0	1	0	0	0	0	0
Chills	108	5	1	0	0	0	1	0	0	0	0	0
Concentration impairment	113	1	0	0	0	0	1	0	0	0	0	0
Confusion	113	1	0	0	0	0	1	0	0	0	0	0
Constipation	71	34	9	0	0	0	0	0	1	0	0	0
Cough	108	4	1	1	0	0	1	0	0	0	0	0
Creatinine increased	111	3	0	0	0	0	1	0	0	0	0	0
Dehydration	108	1	5	0	0	0	1	0	0	0	0	0
Depression	113	0	1	0	0	0	1	0	0	0	0	0
Diarrhea	101	9	1	3	0	0	1	0	0	0	0	0
Dizziness	108	6	0	0	0	0	1	0	0	0	0	0
Dry mouth	107	7	0	0	0	0	1	0	0	0	0	0
Dry skin	114	0	0	0	0	0	0	1	0	0	0	0
Dysgeusia	102	7	5	0	0	0	1	0	0	0	0	0
Dyspepsia	102	6	6	0	0	0	1	0	0	0	0	0
Dyspnea	103	8	2	1	0	0	0	1	0	0	0	0
Edema face	113	1	0	0	0	0	1	0	0	0	0	0
Edema limbs	106	6	1	1	0	0	0	1	0	0	0	0
Endocrine disorders-Other	113	0	0	1	0	0	1	0	0	0	0	0
Epistaxis	113	1	0	0	0	0	1	0	0	0	0	0
Eye disorders - Other, specify	112	2	0	0	0	0	1	0	0	0	0	0
Eye pain	113	1	0	0	0	0	1	0	0	0	0	0
Fatigue	35	62	15	2	0	0	0	1	0	0	0	0
Febrile neutropenia	103	0	0	9	2	0	1	0	0	0	0	0
Fever	103	9	2	0	0	0	1	0	0	0	0	0
Flatulence	112	2	0	0	0	0	1	0	0	0	0	0
Flu like symptoms	113	0	1	0	0	0	1	0	0	0	0	0

OCTOBER 7 - 10, 2015

SWOG

LYMPHOMA 32

S1001/II

ADVERSE EVENTS	R-CHOP x 3 (n=114) Grade						R-CHOP x 6 (n=1) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
	GERD	109	3	2	0	0	0	1	0	0	0	0
GI disorders-Other, specify	112	2	0	0	0	0	1	0	0	0	0	0
Gastritis	113	0	1	0	0	0	1	0	0	0	0	0
Generalized muscle weakness	106	6	1	1	0	0	1	0	0	0	0	0
Headache	106	8	0	0	0	0	1	0	0	0	0	0
Hematuria	113	1	0	0	0	0	1	0	0	0	0	0
Hemoglobin increased	113	1	0	0	0	0	1	0	0	0	0	0
Hemorrhoids	113	1	0	0	0	0	1	0	0	0	0	0
Hiccups	113	1	0	0	0	0	1	0	0	0	0	0
Hoarseness	113	1	0	0	0	0	0	1	0	0	0	0
Hot flashes	113	1	0	0	0	0	1	0	0	0	0	0
Hyperglycemia	98	9	4	3	0	0	1	0	0	0	0	0
Hyperhidrosis	112	1	1	0	0	0	1	0	0	0	0	0
Hyperkalemia	113	0	1	0	0	0	1	0	0	0	0	0
Hyponatremia	113	1	0	0	0	0	1	0	0	0	0	0
Hypertension	109	2	0	3	0	0	1	0	0	0	0	0
Hypoalbuminemia	103	5	6	0	0	0	0	1	0	0	0	0
Hypocalcemia	104	7	3	0	0	0	1	0	0	0	0	0
Hypokalemia	108	4	0	2	0	0	1	0	0	0	0	0
Hypomagnesemia	110	4	0	0	0	0	1	0	0	0	0	0
Hyponatremia	109	4	0	0	1	0	1	0	0	0	0	0
Hypophosphatemia	113	0	1	0	0	0	1	0	0	0	0	0
Hypotension	110	2	2	0	0	0	1	0	0	0	0	0
Infusion related reaction	101	2	11	0	0	0	1	0	0	0	0	0
Injection site reaction	113	0	1	0	0	0	1	0	0	0	0	0
Insomnia	99	9	6	0	0	0	1	0	0	0	0	0
Localized edema	113	1	0	0	0	0	1	0	0	0	0	0
Lower GI hemorrhage	113	1	0	0	0	0	1	0	0	0	0	0
Lung infection	113	0	0	1	0	0	1	0	0	0	0	0
Lymphocyte count decreased	68	18	14	12	2	0	0	0	1	0	0	0
Memory impairment	112	2	0	0	0	0	1	0	0	0	0	0
Mucositis oral	96	13	4	1	0	0	0	1	0	0	0	0
Myalgia	109	5	0	0	0	0	1	0	0	0	0	0
Nasal congestion	113	1	0	0	0	0	1	0	0	0	0	0
Nausea	60	40	13	1	0	0	0	1	0	0	0	0
Neck pain	113	0	1	0	0	0	1	0	0	0	0	0
Neutrophil count decreased	74	4	7	9	20	0	1	0	0	0	0	0
Oral pain	113	0	0	1	0	0	1	0	0	0	0	0
Pain	110	0	4	0	0	0	1	0	0	0	0	0
Paresthesia	112	2	0	0	0	0	1	0	0	0	0	0
Peripheral motor neuropathy	111	2	1	0	0	0	1	0	0	0	0	0
Peripheral nerve infection	113	0	1	0	0	0	1	0	0	0	0	0
Peripheral sensory neuropathy	92	18	3	1	0	0	1	0	0	0	0	0
Phlebitis	113	0	1	0	0	0	1	0	0	0	0	0
Platelet count decreased	96	12	3	3	0	0	0	1	0	0	0	0
Proteinuria	113	1	0	0	0	0	1	0	0	0	0	0
Pruritus	111	2	1	0	0	0	1	0	0	0	0	0
Rash acneiform	113	1	0	0	0	0	1	0	0	0	0	0
Rash maculo-papular	108	5	1	0	0	0	0	1	0	0	0	0
Renal/urinary disorders-Other	113	1	0	0	0	0	1	0	0	0	0	0
Repro system/breast ds-Oth	113	1	0	0	0	0	1	0	0	0	0	0

ADVERSE EVENTS	R-CHOP x 3 (n=114) Grade						R-CHOP x 6 (n=1) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
Resp/thoracic/mediastinal ds	113	1	0	0	0	0	1	0	0	0	0	0
Scalp pain	113	1	0	0	0	0	1	0	0	0	0	0
Sepsis	113	0	0	0	0	1	1	0	0	0	0	0
Sinus tachycardia	113	1	0	0	0	0	1	0	0	0	0	0
Sinusitis	113	0	1	0	0	0	1	0	0	0	0	0
Skin infection	111	2	0	1	0	0	1	0	0	0	0	0
Skin/subq tissue ds-Other	111	3	0	0	0	0	1	0	0	0	0	0
Sore throat	109	4	1	0	0	0	1	0	0	0	0	0
Stomach pain	113	0	1	0	0	0	1	0	0	0	0	0
Superficial thrombophlebitis	113	0	1	0	0	0	1	0	0	0	0	0
Thromboembolic event	113	0	1	0	0	0	1	0	0	0	0	0
Upper respiratory infection	108	0	6	0	0	0	1	0	0	0	0	0
Urinary frequency	106	7	1	0	0	0	1	0	0	0	0	0
Urinary incontinence	113	1	0	0	0	0	1	0	0	0	0	0
Urinary tract infection	105	0	6	3	0	0	1	0	0	0	0	0
Urine discoloration	113	1	0	0	0	0	1	0	0	0	0	0
Vaginal infection	113	0	1	0	0	0	1	0	0	0	0	0
Voice alteration	112	1	1	0	0	0	1	0	0	0	0	0
Vomiting	103	7	4	0	0	0	0	1	0	0	0	0
Watering eyes	113	1	0	0	0	0	1	0	0	0	0	0
Weight gain	112	2	0	0	0	0	0	1	0	0	0	0
Weight loss	108	5	1	0	0	0	1	0	0	0	0	0
Wheezing	113	1	0	0	0	0	1	0	0	0	0	0
White blood cell decreased	72	13	8	10	11	0	0	0	1	0	0	0
MAX. GRADE ANY ADVERSE EVENT	2	20	44	28	19	1	0	0	1	0	0	0

Registration, Eligibility, and Evaluability

PET-Directed Therapy

Registrations ending June 30, 2015; Data as of July 27, 2015

	TOTAL	Continued R	
		-CHOP	IFRT + Zevalin
NUMBER REGISTERED	109	98	11
INELIGIBLE	1	1	0
Insufficient Documentation	1	1	0
Irreversible	1	1	0
ELIGIBLE	108	97	11
Analyzable, Pend. Elig.	103	92	11
RESPONSE ASSESSMENT			
Determinable	82	77	5
Too Early	26	20	6
ADVERSE EVENT ASSESSMENT			
Evaluable	100	89	11
Too Early	8	8	0

Treatment Summary

PET-Directed Therapy

Registrations ending June 30, 2015; Data as of July 27, 2015

	TOTAL	Continued R	
		-CHOP	IFRT + Zevalin
NUMBER ON PROTOCOL TREATMENT	11	11	0
NUMBER OFF PROTOCOL TREATMENT	97	86	11
REASON OFF TREATMENT			
Treatment completed as planned	97	86	11
Adverse Event or side effects	0	0	0
Refusal unrelated to adverse event	0	0	0
Other - not protocol specified	0	0	0
Reason under review	0	0	0
MAJOR PROTOCOL DEVIATIONS	0	0	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, 2015; Data as of July 27, 2015

ADVERSE EVENTS	Continued R-CHOP (n=89) Grade						IFRT + Zevalin (n=11) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
	ALT increased	84	5	0	0	0	0	10	1	0	0	0
AST increased	87	2	0	0	0	0	10	1	0	0	0	0
Abdominal pain	88	0	0	1	0	0	10	1	0	0	0	0
Allergic rhinitis	88	0	1	0	0	0	11	0	0	0	0	0
Alopecia	74	6	9	0	0	0	9	0	2	0	0	0
Anemia	55	23	9	2	0	0	7	2	1	1	0	0
Anorexia	87	0	1	1	0	0	9	1	1	0	0	0
Anxiety	89	0	0	0	0	0	10	0	1	0	0	0
Arthralgia	88	1	0	0	0	0	11	0	0	0	0	0
Arthritis	88	1	0	0	0	0	11	0	0	0	0	0
Blurred vision	89	0	0	0	0	0	10	1	0	0	0	0
Bone pain	88	1	0	0	0	0	11	0	0	0	0	0
Chills	88	1	0	0	0	0	10	1	0	0	0	0
Constipation	85	4	0	0	0	0	10	1	0	0	0	0
Cough	85	3	1	0	0	0	9	2	0	0	0	0
Creatinine increased	86	2	1	0	0	0	11	0	0	0	0	0
Dehydration	89	0	0	0	0	0	10	0	1	0	0	0
Depression	89	0	0	0	0	0	10	0	1	0	0	0
Dermatitis radiation	89	0	0	0	0	0	9	2	0	0	0	0
Diarrhea	87	2	0	0	0	0	10	1	0	0	0	0
Dizziness	89	0	0	0	0	0	10	1	0	0	0	0
Dry mouth	87	2	0	0	0	0	9	0	2	0	0	0

ADVERSE EVENTS	Continued R-CHOP (n=89) Grade						IFRT + Zevalin (n=11) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
	Dysgeusia	85	2	2	0	0	0	10	0	1	0	0
Dyspepsia	87	2	0	0	0	0	10	1	0	0	0	0
Dysphagia	89	0	0	0	0	0	9	1	1	0	0	0
Dyspnea	86	2	1	0	0	0	11	0	0	0	0	0
Ear pain	88	1	0	0	0	0	11	0	0	0	0	0
Edema limbs	86	3	0	0	0	0	11	0	0	0	0	0
Ejection fraction decreased	88	0	0	1	0	0	11	0	0	0	0	0
Esophagitis	89	0	0	0	0	0	10	0	1	0	0	0
Eye disorders - Other, specify	88	1	0	0	0	0	11	0	0	0	0	0
Eye pain	88	1	0	0	0	0	11	0	0	0	0	0
Fall	88	0	0	1	0	0	11	0	0	0	0	0
Fatigue	58	27	3	1	0	0	5	5	1	0	0	0
Febrile neutropenia	87	0	0	2	0	0	11	0	0	0	0	0
Fever	88	1	0	0	0	0	11	0	0	0	0	0
Flu like symptoms	88	1	0	0	0	0	11	0	0	0	0	0
GERD	86	3	0	0	0	0	11	0	0	0	0	0
Gastritis	89	0	0	0	0	0	10	1	0	0	0	0
Generalized muscle weakness	86	1	2	0	0	0	10	1	0	0	0	0
Gum infection	88	1	0	0	0	0	11	0	0	0	0	0
Hearing impaired	88	1	0	0	0	0	11	0	0	0	0	0
Hot flashes	88	1	0	0	0	0	11	0	0	0	0	0
Hypercalcemia	88	1	0	0	0	0	11	0	0	0	0	0
Hyperglycemia	83	3	2	1	0	0	10	1	0	0	0	0
Hyperhidrosis	89	0	0	0	0	0	10	1	0	0	0	0
Hyperkalemia	87	2	0	0	0	0	11	0	0	0	0	0
Hypertension	85	3	0	1	0	0	11	0	0	0	0	0
Hyperuricemia	88	1	0	0	0	0	11	0	0	0	0	0
Hypoalbuminemia	87	2	0	0	0	0	11	0	0	0	0	0
Hypocalcemia	87	1	0	1	0	0	11	0	0	0	0	0
Hypoglycemia	88	1	0	0	0	0	11	0	0	0	0	0
Hypokalemia	86	1	1	1	0	0	11	0	0	0	0	0
Hypomagnesemia	88	1	0	0	0	0	10	1	0	0	0	0
Hypotension	88	0	0	1	0	0	11	0	0	0	0	0
Hypoxia	88	0	0	0	0	1	11	0	0	0	0	0
Insomnia	89	0	0	0	0	0	9	0	2	0	0	0
Laryngeal edema	89	0	0	0	0	0	10	1	0	0	0	0
Leukocytosis	88	0	0	1	0	0	11	0	0	0	0	0
Lymphedema	88	0	1	0	0	0	11	0	0	0	0	0
Lymphocyte count decreased	54	15	14	6	0	0	7	2	0	2	0	0
Malaise	88	0	1	0	0	0	11	0	0	0	0	0
Memory impairment	88	1	0	0	0	0	11	0	0	0	0	0
Mucositis oral	85	3	1	0	0	0	10	0	1	0	0	0
Muscle weakness lower limb	88	1	0	0	0	0	11	0	0	0	0	0
Muscle weakness upper limb	88	1	0	0	0	0	11	0	0	0	0	0
Myalgia	88	1	0	0	0	0	9	1	1	0	0	0
Nail discoloration	88	1	0	0	0	0	11	0	0	0	0	0
Nail loss	88	1	0	0	0	0	11	0	0	0	0	0
Nail ridging	87	2	0	0	0	0	11	0	0	0	0	0
Nasal congestion	87	0	2	0	0	0	11	0	0	0	0	0
Nausea	83	6	0	0	0	0	9	2	0	0	0	0
Nervous sys disorders-Other	88	0	0	1	0	0	10	1	0	0	0	0

ADVERSE EVENTS	Continued R-CHOP (n=89) Grade						IFRT + Zevalin (n=11) Grade					
	0	1	2	3	4	5	0	1	2	3	4	5
	Neutrophil count decreased	76	2	2	2	7	0	6	1	3	1	0
Oral pain	88	1	0	0	0	0	11	0	0	0	0	0
Pain	87	2	0	0	0	0	11	0	0	0	0	0
Pain in extremity	87	1	1	0	0	0	10	0	1	0	0	0
Paresthesia	87	2	0	0	0	0	11	0	0	0	0	0
Peripheral motor neuropathy	88	1	0	0	0	0	11	0	0	0	0	0
Peripheral sensory neuropathy	76	11	1	1	0	0	9	2	0	0	0	0
Pharyngitis	88	0	1	0	0	0	10	0	1	0	0	0
Phlebitis	88	0	1	0	0	0	11	0	0	0	0	0
Platelet count decreased	78	9	0	1	1	0	8	0	1	1	1	0
Productive cough	88	1	0	0	0	0	11	0	0	0	0	0
Resp/thoracic/mediastinal ds	87	1	0	0	1	0	11	0	0	0	0	0
Secondary Leukemia	88	0	0	0	1	0	11	0	0	0	0	0
Sinus tachycardia	88	1	0	0	0	0	11	0	0	0	0	0
Skin infection	87	1	1	0	0	0	11	0	0	0	0	0
Skin/subq tissue ds-Other	88	1	0	0	0	0	11	0	0	0	0	0
Small intestine infection	88	0	0	1	0	0	11	0	0	0	0	0
Sore throat	88	0	1	0	0	0	10	1	0	0	0	0
Telangiectasia	88	1	0	0	0	0	11	0	0	0	0	0
Thromboembolic event	88	0	0	1	0	0	11	0	0	0	0	0
Upper respiratory infection	86	0	3	0	0	0	11	0	0	0	0	0
Urinary tract infection	87	0	2	0	0	0	10	0	1	0	0	0
Urine discoloration	88	1	0	0	0	0	11	0	0	0	0	0
Voice alteration	88	0	1	0	0	0	11	0	0	0	0	0
Vomiting	88	1	0	0	0	0	11	0	0	0	0	0
Weight gain	86	2	1	0	0	0	11	0	0	0	0	0
Weight loss	87	0	1	1	0	0	9	2	0	0	0	0
White blood cell decreased	63	15	3	5	3	0	7	1	1	2	0	0
MAX. GRADE ANY ADVERSE EVENT	7	25	34	14	8	1	1	4	3	2	1	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, R Loomba, R Chugh, D Hershman, J Hwang

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.

Create a biorepository of stored serum for future translational medicine studies that may include identifying genomic and viral factors that increase the risk of serious adverse effects among participants infected with HIV, HBV, and/or HCV being treated for invasive cancers.

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 3,000 eligible patients will be accrued.

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: NCIMet

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:
NCIMet, CTSU

Date Activated:
05/15/2012

Study Chairs:
K Dunleavy (NCIMet), 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.

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 must not have received any prior treatment except limited-field radiotherapy, short course of glucocorticoids and/or cyclophosphamide for an urgent problem at diagnosis.

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 153 patients will be accrued to this study.

Patient Population

Patients must have histologically documented Burkitt

Summary Statement

NCIMet reported a total accrual of 127 patients as of June 30, 2015, including 18 SWOG registrations.

Registration by Institution

Registrations ending June 30, 2015

<u>Institutions</u>	<u>Total Reg</u>
Rochester, Univ of	9
Kentucky, U of	4
Cleveland Clinic OH	3
Kansas City NCORP	1
Tennessee, U of	1
Total (5 Institutions)	18

C51101 Phase II SWOG Supported CTSU Study

Coordinating Group: Alliance

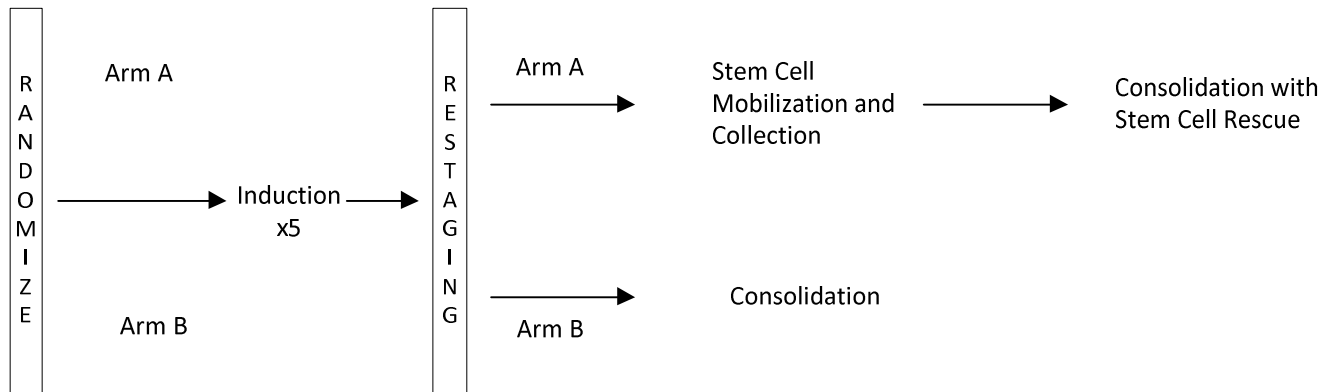
A Randomized Phase II Trial of Myeloablative versus Non-myeloablative Consolidation Chemotherapy for Newly Diagnosed Primary CNS-B-cell Lymphoma

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 be HIV negative and HCV negative (unless HBsAb positive patients has 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 49 patients as of June 30, 2015, including five SWOG registrations, one from University of California Davis, two from Fred Hutchinson Cancer Research Center, and two from University of Rochester. The complete November 2014 summary of this study from Alliance is available on the SWOG web site.

E1411 Phase II SWOG Supported CTSU Study

Coordinating Group: ECOG-ACRIN

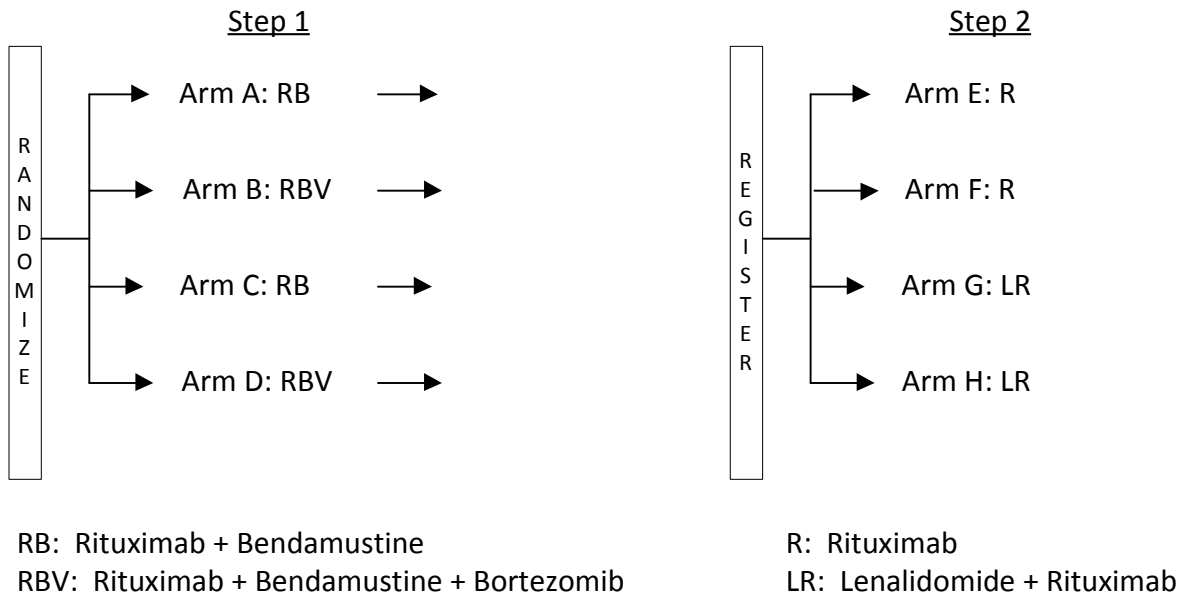
Intergroup Randomized Phase II Four Arm Study in Patients with Previously Untreated Mantle Cell Lymphoma of Therapy with: Arm A = Rituximab + Bendamustine Followed by Rituximab Consolidation (RB → R), Arm B = Rituximab + Bendamustine + Bortezomib Followed by Rituximab Consolidation (RBV → R), Arm C = 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 > 60 years of age 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 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 week of steroid therapy for symptom control. 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 332 patients will be accrued to this study.

Summary Statement

ECOG-ACRIN reported a total accrual of 233 patients as of June 30, 2015, including 55 SWOG registrations. The complete Spring 2015 summary of this study from ECOG-ACRIN is available on the SWOG web site.

Registration by Institution

Registrations ending June 30, 2015

Institutions	Total Reg	Institutions	Total Reg
Rochester, Univ of	15	KaiserPermanenteCOL/Kaiser Vallejo NCORP	2
Kaiser Vallejo NCORP	7	Kansas City NCORP	2
Cleveland Clinic OH	6	Poudre Valley Hosp/Colorado, U of	2
CRC West MI NCORP	3	Southeast COR NCORP	1
Fred Hutchinson CRC	3	UF Cancer Center/Arkansas, U of	1
Hawaii MU-NCORP	3	Upstate Carolina	1
Montana NCORP	3	Wayne State Univ	1
Prov Portland MC/PCRC NCORP	3	Total (16 Institutions)	55
Dayton NCORP	2		

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

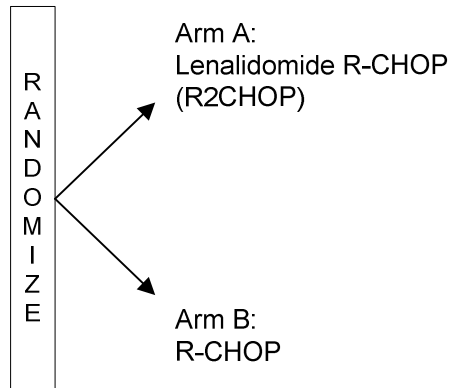
Date Activated:
01/22/2014

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

Date Closed*:
05/22/2015

*Temporary closure

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).

To examine the impact of DLBCL molecular subtype on outcome.

To correlate interim PET scan results to treatment outcome.

Patient Population

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

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 PTLN 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

A total of 220 patients will be accrued to this study. If the total number of ABC subtype is below 100 after a total of 220 patients were accrued, the study will re-open for accruing at a pace of 25 patients each time until 100 eligible ABC patients is achieved. A maximum of 300 patients will be enrolled to the study.

Summary Statement

This study was temporarily closed to accrual on May 22, 2015, to evaluate the accrual of ABC subtype as outlined in Section 9.1 of the protocol.

ECOG-ACRIN reported a total accrual of 219 patients as of May 22, 2015, including 26 SWOG registrations. The complete Spring 2015 summary of this study from ECOG-ACRIN is available on the SWOG web site.

Registration by Institution

Registrations ending May 22, 2015

Institutions	Total Reg	Institutions	Total Reg
Rochester, Univ of	11	Cincinnati MC, U of	1
Montana NCORP	4	Hawaii MU-NCORP	1
Columbia MU-NCORP	3	Kaiser Vallejo NCORP	1
Kaiser Permanente SCAL/Kaiser Vallejo NCORP	3	Wayne State Univ	1
Brooke Army Med Ctr	1	Total (9 Institutions)	26

EAY131 Master Protocol / Phase II

Coordinating Group: ECOG-ACRIN

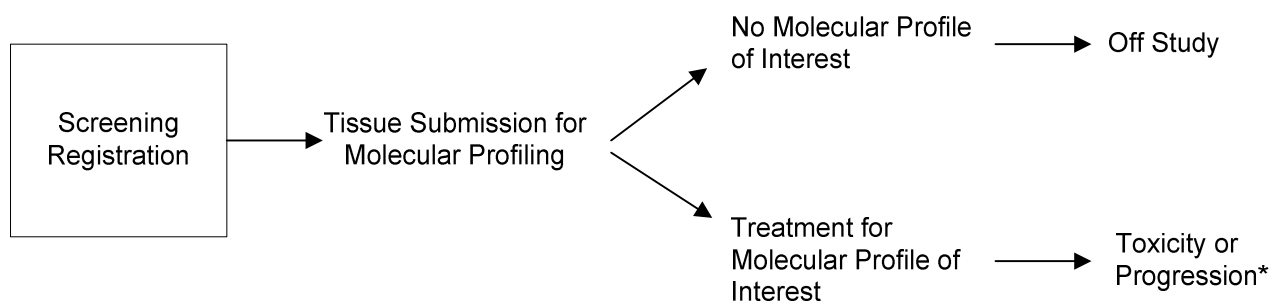
NCI-MATCH: Molecular Analysis for Therapy Choice

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)

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.

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.

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 and protein-based assessment platforms.

Patient Population

Patients must have histologically documented solid tumors or histologically confirmed diagnosis of lymphoma 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, have tumor amenable to image guided or direct vision biopsy, and be willing and able to undergo biopsy for molecular profiling.

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 initial registration. Patients must not require the use of full dose coumarin-derivative anticoagulants such as warfarin. Low molecular weight heparin is permitted for prophylactic or therapeutic use.

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. 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 be completed in 7.5 years, then the steering committee may consider terminating accrual in that subgroup due to lack of feasibility. 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 August 12, 2015, with ten subprotocols included in the activation. Only sites utilizing the CIRB as their IRB of record will be able to participate in the trial.