

Supplementary table 1. Summary of baseline patient characteristics and initial treatment received for 365 patients with early stage FL.

		All Patients		Stage I		Stage II		P value
		n = 365	100%	n=221	61%	n=144	39%	
Age	Median (Range)	63 (21-94)		61 (21-94)		62 (28-85)		0.55
Sex	Male	209/365	57.2	120/221	54.3	89/144	61.8	0.178
ECOG PS	≥2	18/365	4.9	13/221	5.9	5/144	3.5	0.428
B Symptoms	Present	24/361	6.6	16/217	7.4	8/144	5.6	0.643
LoNoDiam	≥7cm	36/271	13.3	9/161	5.6	27/110	24.5	<0.001
Nodal Sites	0	40/360	11.1	40/218	18.3	0/142	0.0	<0.001
	1	190/360	52.8	178/218	81.7	12/142	8.4	
	2	111/360	30.8	0/218	0.0	111/142	78.2	
	3	15/360	4.2	0/218	0.0	15/142	10.6	
	4	4/360	1.1	0/218	0.0	4/142	2.8	
Extranodal Sites	Present	63/362	17.4	40/220	18.2	23/142	16.2	0.776
Grade	3A	56/351	15.9	38/212	17.9	18/139	12.9	0.273
B2M	> ULN	40/182	22.0	22/111	19.8	18/71	25.3	0.463
FLIPI Score	0	111/342	32.5	80/210	38.1	31/132	23.5	0.001
	1	177/342	51.8	107/210	51.0	70/132	53.0	
	2	50/342	14.6	23/210	10.9	27/132	20.5	
	3	4/342	1.2	0/210	0.0	4/132	3.0	
Watch and Wait	Observation	85/365	23.3	49/221	22.2	36/144	25.0	0.532
Active Treatment	RT Alone	171/365	46.8	125/172	72.7	46/144	31.9	<0.001
	Immunotherapy	63/365	17.2	21/172	12.2	42/144	29.1	<0.001
	CMT	46/365	12.6	26/172	15.1	20/144	13.9	0.412
Maintenance Therapy		49/280	17.5	16/172	9.3	33/108	30.6	<0.001
Median Follow-up (months)		45		48		43		0.505

LoNoDiam = Largest nodal diameter; B2M = beta 2 microglobulin; ECOG PS = performance status; ULN = upper limit normal; XRT = radiotherapy; CMT = combined modality therapy

Supplementary table 2. Summary of baseline characteristics among treatment arms for actively treated patients with early stage FL.

	RT Alone	Systemic Therapy (n = 109)				RT vs ICT vs CMT	RT vs ICT+CMT	ICT vs CMT
		n=171	%	n=63	%	n=46	%	
Age	Median (Range)	63 (28 – 85)		63 (21-88)		54 (28-82)	0.368	0.014
Sex	Male	95/170	55.9	36/63	57.1	28/46	0.847	0.732
ECOG	>2	8/171	4.7	5/63	7.9	1/46	0.376	0.978
B Symptoms	Present	7/167	4.2	12/63	19.0	1/46	<0.001	0.0289
LoNoDiam	>7cm	9/132	6.8	13/53	24.5	8/30	0.001	<0.001
No nodal sites	>2	4/170	2.4	9/62	14.5	2/44	0.002	<0.001
Extranodal	Extranodal	29/171	16.9	9/62	14.5	6/45	0.797	0.613
Stage	I	125/171	73.1	21/63	33.3	26/46	0.001	<0.001
Grade	3A	26/165	15.7	11/58	18.9	8/46	0.846	0.617
B2M	> ULN	19/68	27.9	9/33	27.2	5/35	0.682	0.562
FLIPI Score	0	55/161	34.2	15/60	25.0	23/44	52.2	
	1	82/161	50.9	31/60	51.6	16/44	36.3	
	2	24/161	14.9	12/60	20.0	4/44	9.0	
	3	0/161	0	2/60	3.0	1/44	2.2	
ORR		164/171	95.9	61/63	96.8	44/46	0.872	0.763
CR		122/171	71.3	47/63	74.6	35/46	0.494	0.476
Transformation		11/171	6.4	1/63	1.6	1/46	0.161	0.087
5 Yr PFS (95% CI)		67.9 (57.5-76.2)		86.1 (72.2-93.4)		71.6 (54.0-83.5)	0.055	0.011
5 Yr OS (95% CI)		93.1 (83.3-97.1)		90.8 (74.0-96.9)		95.0 (80.3-98.7)	0.707	0.186

LoNoDiam = Largest nodal diameter; B2M = beta 2 microglobulin; ECOG PS = performance status; ULN = upper limit normal; ORR = overall response rate; CR = complete response.

Supplementary table 3. Summary of radiotherapy dose (A) and immunochemotherapy and maintenance rituximab (B) received for first line treatment in early stage FL.

A

	All Radiation		RT Alone		CMT		p value
	n = 187	%	n = 149	%	n = 38	%	
<24 Gy	5/187	2.7	4/149	2.6	1/38	2.6	0.127
24-30 Gy	134/187	71.7	112/149	75.2	22/38	57.9	
30.1-36 Gy	42/187	22.4	28/149	18.8	14/38	36.9	
>36 Gy	6/187	3.2	5/149	3.4	1/38	2.6	

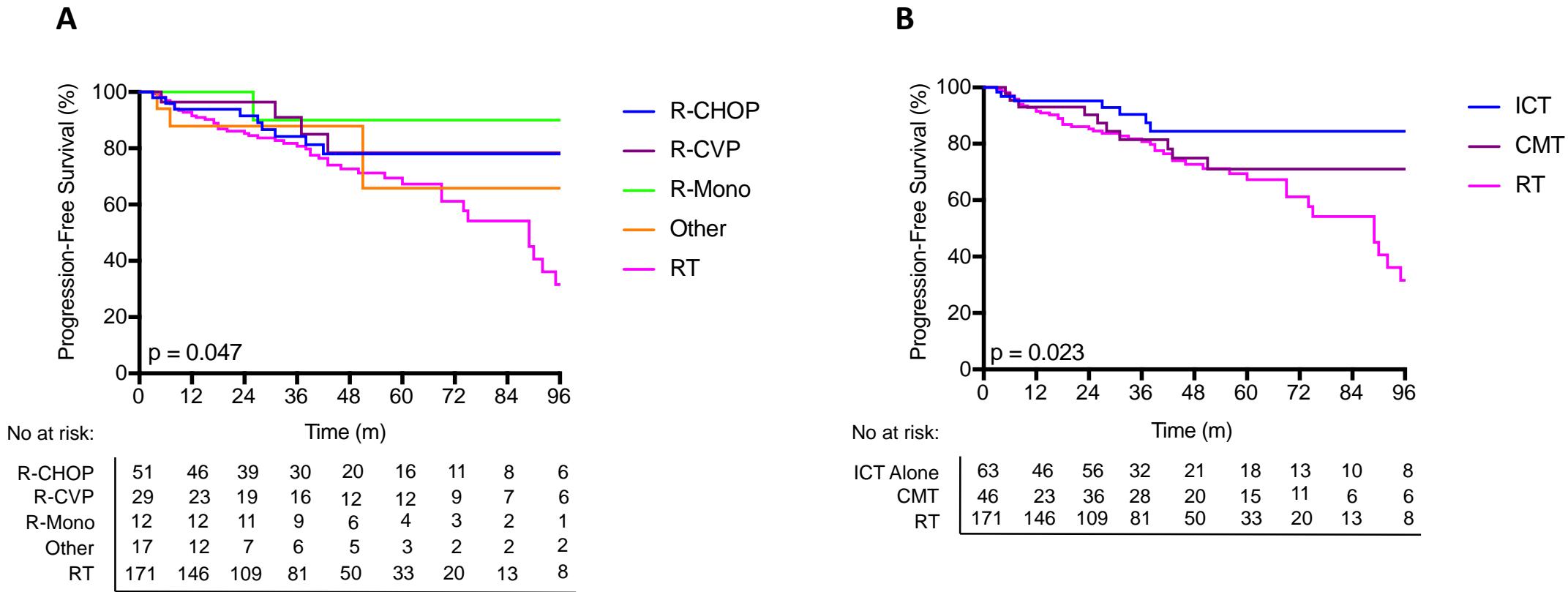
B

	All Systemic		Immunochemotherapy		CMT		p value
	n	%	n	%	n	%	
R-CHOP	51/109	46.7	33/63	52.4	18/46	39.1	0.189
R-CVP	29/109	26.6	9/63	14.3	20/46	43.5	0.0009
BR	11/109	10.1	7/63	11.1	4/46	8.7	0.7573
Rituximab Monotherapy	12/109	11.1	8/63	12.7	4/46	8.7	0.7776
Other	6/109	5.5	6/63	9.5	0/46	0.0	0.0382
Rituximab Maintenance	49/109	45	37/63	58.7	12/46	26.1	0.0001

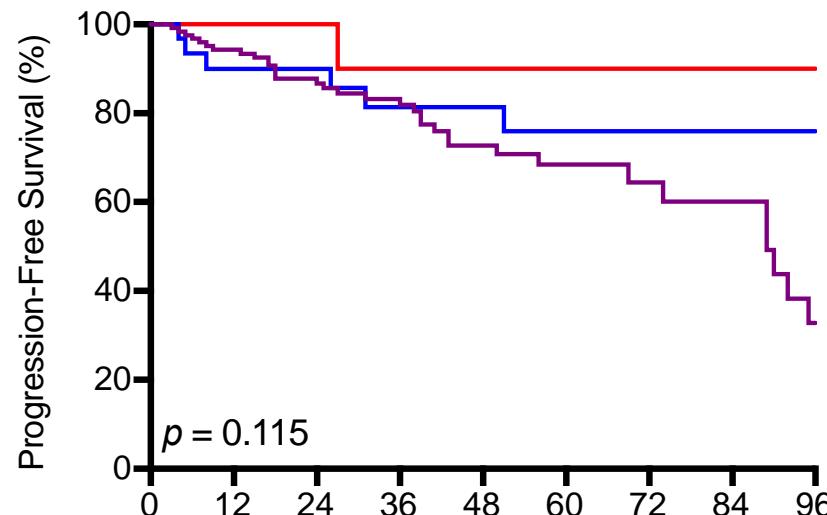
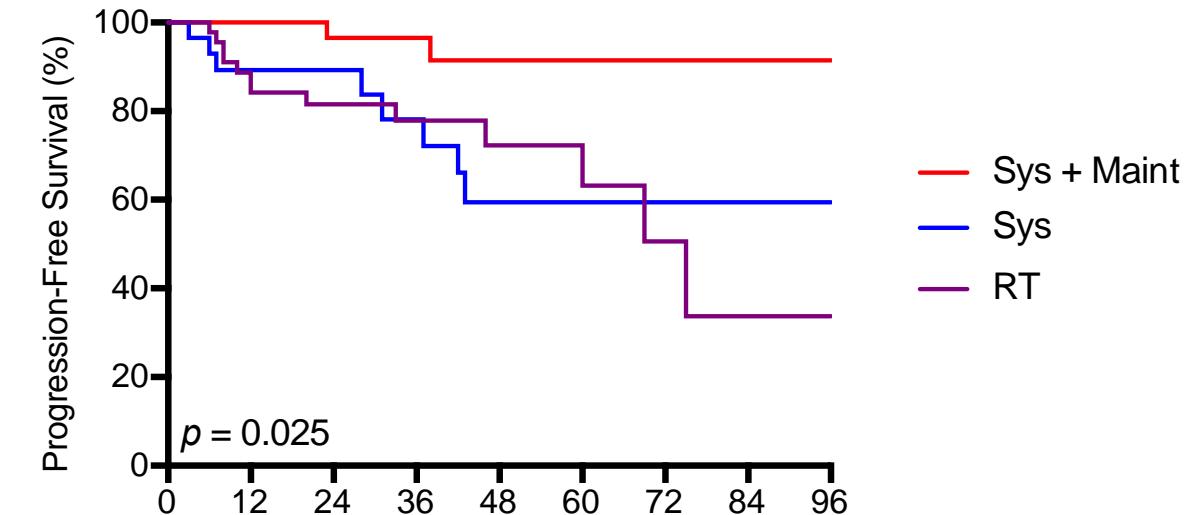
Supplementary table 4. Summary of baseline characteristics among treatment approaches for actively treated patients with early stage FL.

		Radiation		Systemic therapy*		Systemic + maintenance rituximab		P value All
		n=171	%	n=60	%	n=49	%	
Age	>60 yrs	101/170	59.4	27/60	45.0	29/48	60.4	0.128
Sex	Male	96/170	56.4	33/60	55.0	31/49	63.3	0.627
ECOG	>2	8/171	4.7	3/60	5.0	3/49	6.1	0.92
B Symptoms	Present	7/167	4.2	4/60	6.7	9/49	18.4	0.003
LoNoDiam	>7cm	9/132	6.8	6/41	14.6	15/42	35.7	<0.001
No nodal sites	>2	4/170	2.4	4/60	6.7	7/47	14.9	0.003
Extranodal	Extranodal	29/171	17.0	7/60	11.7	8/47	17.0	0.608
Stage	II	46/171	26.9	29/60	48.3	33/49	67.3	<0.001
Grade	3A	26/165	15.8	13/59	22.0	6/45	13.3	0.433
B2M	> ULN	19/68	27.9	7/41	17.1	7/28	25.0	0.434
Hb, g/dL	<12	11/169	6.5	4/59	6.8	9/49	18.4	0.029
LDH	>ULN	24/162	14.8	8/58	13.8	13/49	26.5	0.125
FLIPI	Low Risk	24/161	14.9	7/58	12.1	12/46	26.1	0.12

*Systemic therapy includes immunochemotherapy and CMT.



Supplementary Figure 1. A) Progression-free survival among patients treated with different chemotherapy regimens or radiotherapy (RT). Comparing chemotherapy regimens only demonstrated no significant difference in PFS ($P=0.722$). Other: n=11 Bendamustine-rituximab, n=4 chlorambucil-rituximab, n=2 cyclophosphamide, prednisone, rituximab. B) Progression-free survival among patients treated with RT, combined modality therapy (CMT) and immunochemotherapy (ICT). Comparing ICT vs CMT vs RT demonstrated a significant difference in PFS ($P=0.023$). Comparing CMT vs ICT demonstrated no significant difference in PFS ($P=0.24$).

A**B**

Supplementary Figure 2. Progression-free survival for stage I (A) and stage II (B) patients treated with radiotherapy alone, systemic therapy without maintenance rituximab and systemic therapy with maintenance rituximab.