

Supplementary Fig. 1. Comparison of survival outcomes by maintenance versus interruption of ibrutinib in patients with adverse events (A). Comparison of ibrutinib efficacy according to front-line treatment in patients older than 70 years (B).

Characteristics		Ν	
Age (yr)	Median (range)	67 (45–81)	
	<70	27 (64.3%)	
	≥70	15 (35.7%)	
Leukocytosis	Absence	33 (78.6%)	
	Present	9 (21.4%)	
Anemia	Absence	32 (76.2%)	
	Present	10 (23.8%)	
Thrombocytopenia	Absence	30 (71.4%)	
	Present	12 (28.6%)	
Serum LDH	Absence	10 (23.8%)	
	Elevated	32 (76.2%)	
Splenomegaly (≥11 cm)	Absence	24 (57.1%)	
	Present	18 (42.9%)	
Prior number of treatment	Prior 1 line	29 (69.0%)	
	Prior ≥ 2 lines	13 (31.0%)	
Best response to ibrutinib	Complete remission	21 (50.0%)	
	Partial response	8 (19.0%)	
	Stable disease	9 (21.5%)	
	Progressive disease	4 (9.5%)	
Post-ibrutinib management (N=23)	Novel agent &/or clinical trial	15 (65.2%)	
	Conventional cytotoxic treatment only	8 (34.8%)	

Supplementary Table 1. Demographics and disease characteristics

Hematologic adverse events	Total	Grade 1–2	Grade 3	Grade 4
Neutropenia	3 (7.1%)	1 (2.4%)	1 (2.4%)	1 (2.4%)
Anemia	3 (7.1%)	2 (4.8%)	1 (2.4%)	-
Thrombocytopenia	5 (11.9%)	2 (4.8%)	3 (7.1%)	-
Non-hematologic adverse events	Total	Grade 1–2		Grade 3-4
General weakness/fatigue	14 (33.3%)	10 (23.8%)		4 (9.5%)
Skin rash	20 (47.6%)	16 (38.1%)		4 (9.5%)
Diarrhea	13 (30.9%)	10 (23.8%)		3 (7.1%)
Heart failure	1 (2.4%)	1 (2.4%)		-
Bleeding	3 (7.1%)	3 (7.1%)		-
Sensory neuropathy	4 (9.5%)	4 (9.5%)		-
Mucositis	5 (11.9%)	5 (11.9%)		-
Atrial fibrillation (any degree)		3 (7	(.1%)	
Herpes zoster (any degree)		2 (4	.8%)	
Treatment discontinuation due to toxicity		5 (1	1.9%)	
Dose reduction due to toxicity		6 (1	4.3%)	