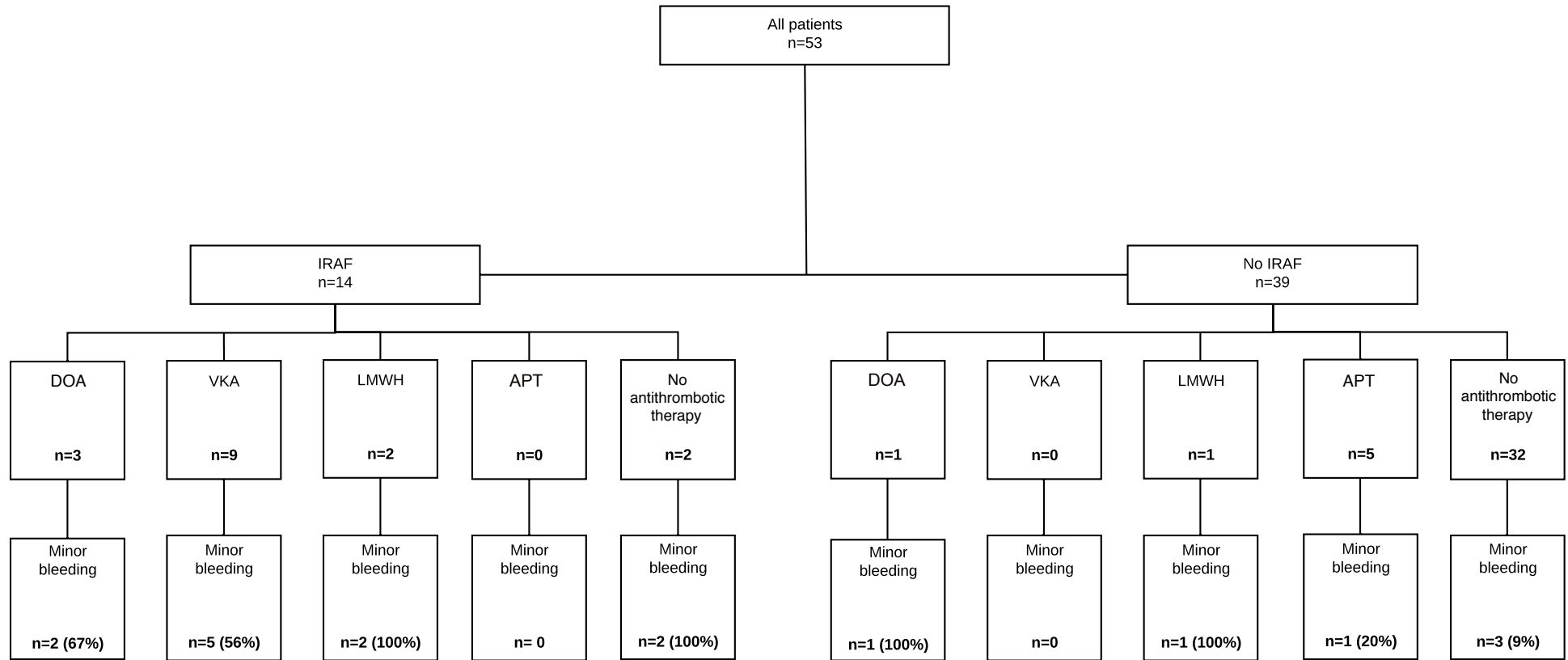


# Supplementary Files

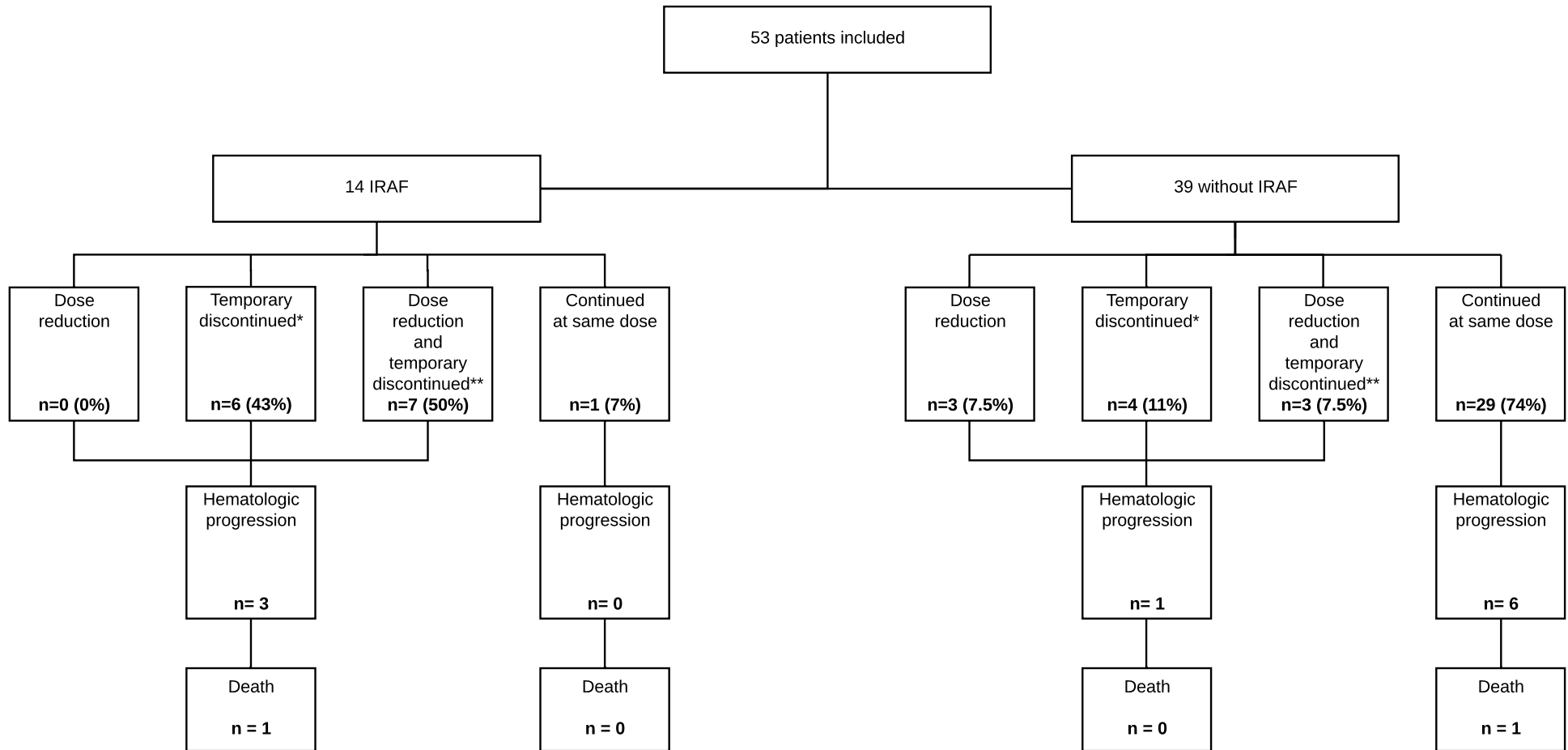
## Supplementary File 1. Distribution of antithrombotic therapy and minor bleeding.

APT, antiplatelet therapy; DOA, direct oral anticoagulant; IRAF, ibrutinib-related atrial fibrillation; LMWH, low molecular weight heparin; VKA, vitamin K antagonist



# Supplementary Files

## Supplementary File 2. Management of ibrutinib therapy according to ibrutinib-related atrial fibrillation (IRAF).



# Supplementary Files

## Supplementary File 3. Details of patients who experienced ibrutinib-related atrial fibrillation (IRAF).

1<sup>st</sup>, first diagnosed AF; ABL, ablation; AR, antiarrhythmic drug; CTCAE, Common Terminology Criteria for Adverse Events v5.0; D, temporary suspension; DOA, direct oral anticoagulant; EC, electric cardioversion; ELR, external loop recorder; EHRA, European Heart Rhythm Association classification; LMWH, low molecular weight heparin; Ls, long-standing persistent AF; P, permanent AF; Pa, Paroxysmal AF; R, rate control; Re, reduced dose; U, unchanged; VKA, vitamin K antagonist

Patient	IRAF grade										Diagnosis			Anticoagulant therapy				Rate vs. rhythm control strategy				Evolution of IRAF								Ibrutinib management			
	CTCAE					EHRA					ECG	24h-Holter (n=4)	7d-ELR (n=17)	No	VKA	LMWH	DOA	R	AR	EC	ABL	IRAF type at diagnosis				IRAF type at the end of follow up				U	Re	D	
	1	2	3	4	5	1	2	3	4													1 <sup>st</sup>	Pa	Ls	P	1 <sup>st</sup>	Pa	Ls	P				
no.1	x									x				x				x				x								x			x
no.2*	x					x				x			x				x					x				x					x		
no.3	x					x					x			x					x				x					x				x	
no.4	x					x				x				x			x	x	x	x			x					x	x				
no.5			x						x		x			x	x	x	x	x				x				x				x	x		
no.6				x					x	x			x									x				x					x		
no.7	x					x								x			x					x					x			x			
no.8			x						x	x					x								x					x				x	
no.9	x					x				x					x	x						x				x				x			
no.10			x			x				x				x						x													x
no.11		x					x			x				x			x					x							x		x		
no.12		x					x			x				x			x					x							x		x		
no.13		x					x			x				x			x					x							x		x		
no.14		x					x			x				x			x					x							x		x		
<b>Total</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>11</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>9</b>	<b>2</b>	<b>3</b>	<b>10</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>4</b>			