## SUPPLEMENTARY APPENDIX

Conventional interferon- $\alpha$  2b versus hydroxyurea for newly-diagnosed patients with polycythemia vera in a real world setting: a retrospective study based on 286 patients from a single center

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## Supplementary Figures

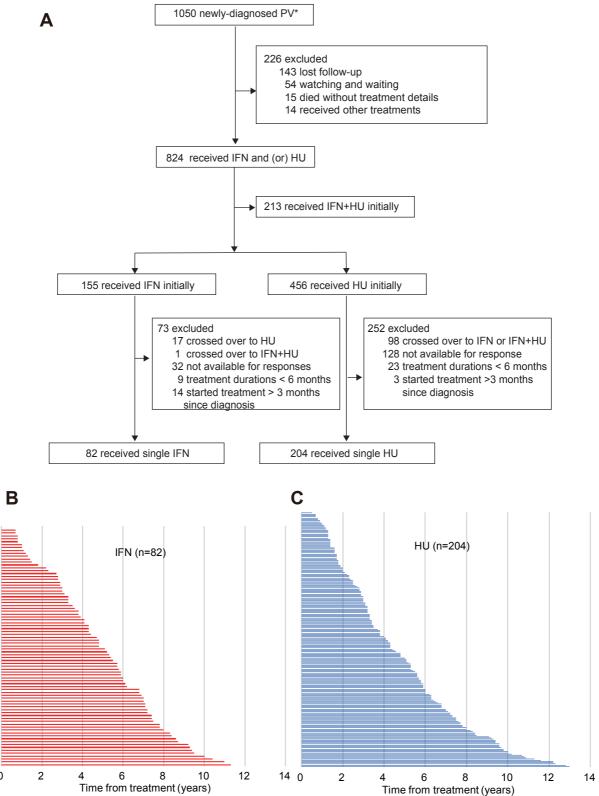


Figure S1. The flowchart for patient selection and treatment durations for patients in the IFN and HU cohorts.

The flowchart for patient selection for IFN and HU cohorts. (A). Treatment duration for patients in the IFN (A) and HU (B) cohorts. Each row represents a patient.

<sup>\*</sup>according to the 2016 WHO diagnostic criteria; HU: hydroxyurea; IFN: interferon.

## A Clinical features of IFN and HU cohorts matched by age and sex at baseline.

Variables	IFN (n = 67)	HU (n = 67)	p-value
Age, years	53 (48-58)	53 (49-58)	0.855
Gender, female	42 (63%)	42 (63%)	1.000
Palpable splenomegaly	14 (22%)	24 (38%)	0.061
Baseline hemoglobin, g/L	192 (178-209)	197 (186-208)	0.209
Baseline RBC, × 10 <sup>12</sup> /L	7.1 (6.3-7.7)	7.1 (6.4-7.7)	0.658
Baseline HCT, %	59 (55-63)	60 (57-64)	0.169
Baseline WBC, × 10 <sup>9</sup> /L	12.7 (9.8-15.1)	13.4 (9.7-17.2)	0.427
Baseline PLT, × 10 <sup>9</sup> /L	453 (344-621)	420 (318-605)	0.676
Baseline JAK2 V617F VAF, %*	57 (41-74)	58 (28-72)	0.420
Abnormal cytogenetics, % (n/N)	4% (2/42)	6% (2/34)	1.000
Thrombosis pre-treatment	22 (34%)	23 (35%)	0.904
Thrombosis risk stratification			0.531
Low risk	38 (59%)	35 (53%)	
High risk	27 (41%)	31 (47%)	
Follow -up from start of treatment, months	52 (35-86)	52(27-90)	0.917

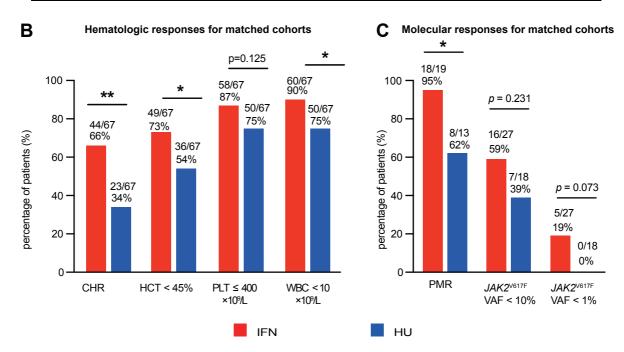


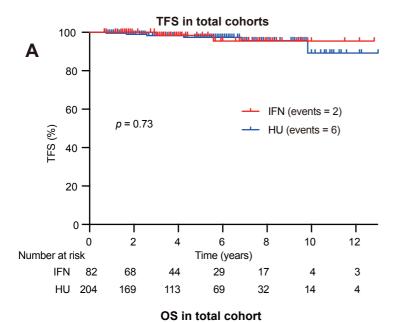
Figure S2. Comparing clinical features and responses between patients in the IFN and HU cohorts matched by age and sex.

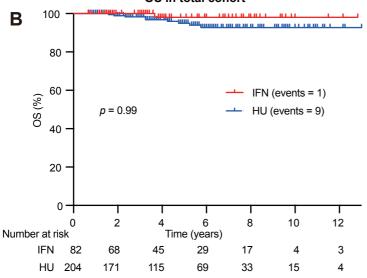
Clinical features of the IFN and HU cohorts matched by age and sex at baseline (A). Hematologic responses (A) and molecular responses (B) compared between the IFN and HU cohorts matched by age and sex.

Data are presented as median (IQR) or n (%) in Figure S2A, unless otherwise indicated. IFN: interferon; HU:

hydroxyurea; RBC: red blood cell; WBC: white blood cell; VAF: variant allele frequency; IQR: interquartile range;

<sup>\*</sup>JAK2V617F VAF in JAK2V617F-mutated patients.





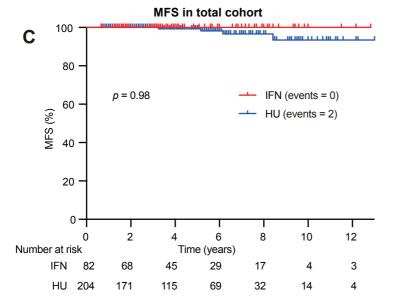


Figure S3. Long-term survival data.

Thrombosis-free survival (A), overall survival (B) and myelofibrosis-free survival (C) are compared between subjects in the conventional IFN and HU cohorts.

TFS: thrombosis-free survival; OS: overall survival; MFS: myelofibrosis-free survival; IFN: interferon; HU: hydroxyurea.