

# 2018

WHO 2016

[1]

4

3

1. 450  $10^9/L$

2.

1

3. BCR-ABL+

WHO

4. JAK2 CALR MPL

2013

[2]

1.

2.

3.

4.

1.

2.

3.

4.

1.

2.

(2016 ) [3]

JAK2V617F CARL MPL

- 1.
- 2.
- 3.

(2016 ) [3]

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CR	4											
				12								
			MPN-SAF TSS	10								
				12	PLT	400	10 <sup>9</sup> /L	WBC	10			
				10 <sup>9</sup> /L								
										1		
PR	4											
										12		
			MPN-SAF TSS	10								
				12	PLT	400	10 <sup>9</sup> /L	WBC	10			
				10 <sup>9</sup> /L								
NR		PR										
PD												

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MPN-SAF TSS

2002 [4]

1. 95%
2. 70%

3. 30%
4. 30%
- [ ] 100%

[1]Arber D, Orazi A, Hasserjian R, et al. The 2016 revision to the World Health Organization classification of myeloid neoplasms and acute leukemia[J]. Blood 2016;127:2391-2405.

[2] . [M]. : 2013,154

[3] . (2016  
) [J]. 2016,37 10 833-835

[4] . [M]. 2002:173-180