



MPV

( )

BMA H<sub>i</sub> CBC (.) (.)

MPV

Hgb WBC PLT CBC H<sub>i</sub> (.)

MPV  
SPSS

ITP

ITP (.)

(ALL)

/ò± /  
± /

/ò± /  
ITP

MPV

(.)

ITP

/ò± /  
/ ± /

ITP

ò  
/ò± /ò

MPV

ITP

MPV

(.)

MPV

ITP

	MPV ***		Hgb **		PLT *		WBC *	
*WBC	/	/	/	/	ò	ò		ALL
	/	/	ò	/	ò	ò		ITP
	ì	/	ò		è		è	

&Platelet (mm<sup>3</sup>) \*\*Hemoglobin(gr/dl)\*\*\*Mean platelet volume(fl)

MPV :

*P-value	MPV(Mean)	PLT(Mean)	
> /	/ ± /	ò ò	ALL
> / ò	/ ± /	ò	ITP
< /	/ ± /	ò	
	/ ± /		

MPV \*

1. Thrombocytopenia- absent radii
2. Storage pool

MPV  
Coulter  
Counter Max  
MPV  
ITP  
( ) MPV  
MPV  
MPV ITP  
MPV ITP  
MPV  
ITP  
MPV  
ITP  
ITP  
ITP  
MPV  
( )  
ITP  
( )

## References

- Lillman J, Ann I, Blanchette V: Platelet. Pediatric hematology. 2 nd ed, London: Churchill Livingstone, 1999; pp. 437-447
- Corcoran G, Kottke-Marchant K: Chasing after the causes of platelet disorders. [http://www.cap.org/captoday/archive/2002/platelet\\_disorders\\_feature.html](http://www.cap.org/captoday/archive/2002/platelet_disorders_feature.html)
- Lanzkowsky P: Idiopathic Thrombocytopenic Purpura. Manual of pediatric hematology and oncology. 3rd ed, New York: Academic press. 2000, pp.233-238
- Behrman RE, Kliegman RM, Jenson HB: Nelson Textbook of Pediatrics. 16 th ed. Philadelphia, Saunders. 2000, pp: 1504-1525
- Arier Chi-Lun Lee: Modeling of mean platelet volume. <http://atlas-conferences.com/c/a/d/t/08.htm>
- Lozano M, Narvaez J, Faundez A, Mazzara R, Cid J, Jou JM, Ordinas A: Platelet count and mean platelet volume in Spanish population. Med Clin(Barc). 1998; 110(20): 774-7
- Bath PM, Butterworth RJ: Platelet size. Measurement, physiology and vascular. Blood Coagul Fibrinolysis. 1996, 7(2) :157-61
- Shahid A, Anita K: The prognostic value of mean platelet volume in newly diagnosis ITP. American Journal of Medicine. 2001, 5; (110): 125-7
- Caplin C, Dick P, Poon A, Feldman W: Is bone marrow aspiration needed in acute Idiopathic Thrombocytopenic Purpura to rule out leukemia?. Arch Pediatr Adolesc Med. 1998, 152(4): 345
- Tomita E, Akatsuka JI, Kokubun Y: Differential diagnosis of various thrombocytopenias in childhood by analysis of platelet volume. <http://www.pedresearch.org/cgi/content/abstract/14/2/133>
- Bancroft AJ, Abel EW, McLaren M, Belch JJ: Mean platelet volume is a useful parameter. Platelet. 2000, 11(7): 379-87
- Andreas G N, Edwin NF: Use of the platelet histogram maximum in evaluating thrombocytopenia. American Journal of Hematology. 1999, 60: 19-23