

**ẢNH HƯỞNG CỦA GIẢM TIỂU CẦU  
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**AFFECT OF MATERNAL  
THROMBOCYTOPENIA IN PREGNANCY  
TO NEONATES**

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# BACKGROUND

- ✘ Thrombocytopenia in pregnancy: 7-12%
- ✘ The normal platelet count: 150000-400000/ $\mu$ l (250000/ $\mu$ l)
- ✘ Thrombocytopenia:
  - Mild .
  - Moderate.
  - Severe
- ✘ Pregnancy:
  - Average platelet count : 213000/ $\mu$ l (10% immunity)
  - Causes: - Gestational pregnancy (70%): mild (>70000/ $\mu$ l)  
- Immune (3%): IgG: mild → severe.  
May be impact to neonates.

# BACKGROUND

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✘ **OBJECTIVE:**

*“Impact of maternal thrombocytopenia in pregnancy to neonates”*

# SUBJECTS AND METHOD

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## ✘ *Subjects:*

*All pregnant women giving birth at NHOG for the year of 2015-2016 and having got blood palettes counted under 150 G/l without any additional disease*

## ✘ *Methods:*

*Prospective descriptive study without a control group*

# RESULT AND DISCUSSION

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## ❖ *Features:*

- ❖ Medium age of subjects 28,00    5,04 (20 - 41).
- ❖ Medium pregnancy 39.03    1.09 (38 - 42).

# RESULT AND DISCUSSION

Table1. Pregnancy and platelet count Distribution  $P=0.001$ .

<b>P mother Gesta- -tional age</b>	<b>&lt;50G/l</b>	<b>50 – 100 G/l</b>	<b>&gt; 100 G/l</b>	<b>Sum</b>
<b>≤ 14</b>	3 100%	0 0%	0 0%	<b>3</b> 10,34%
<b>15 - 27</b>	3 21,42%	11 78,38%	0 0%	<b>14</b> 48,28%
<b>≥ 28</b>	6 50%	2 16,67%	4 33,33%	<b>12</b> 41,38%

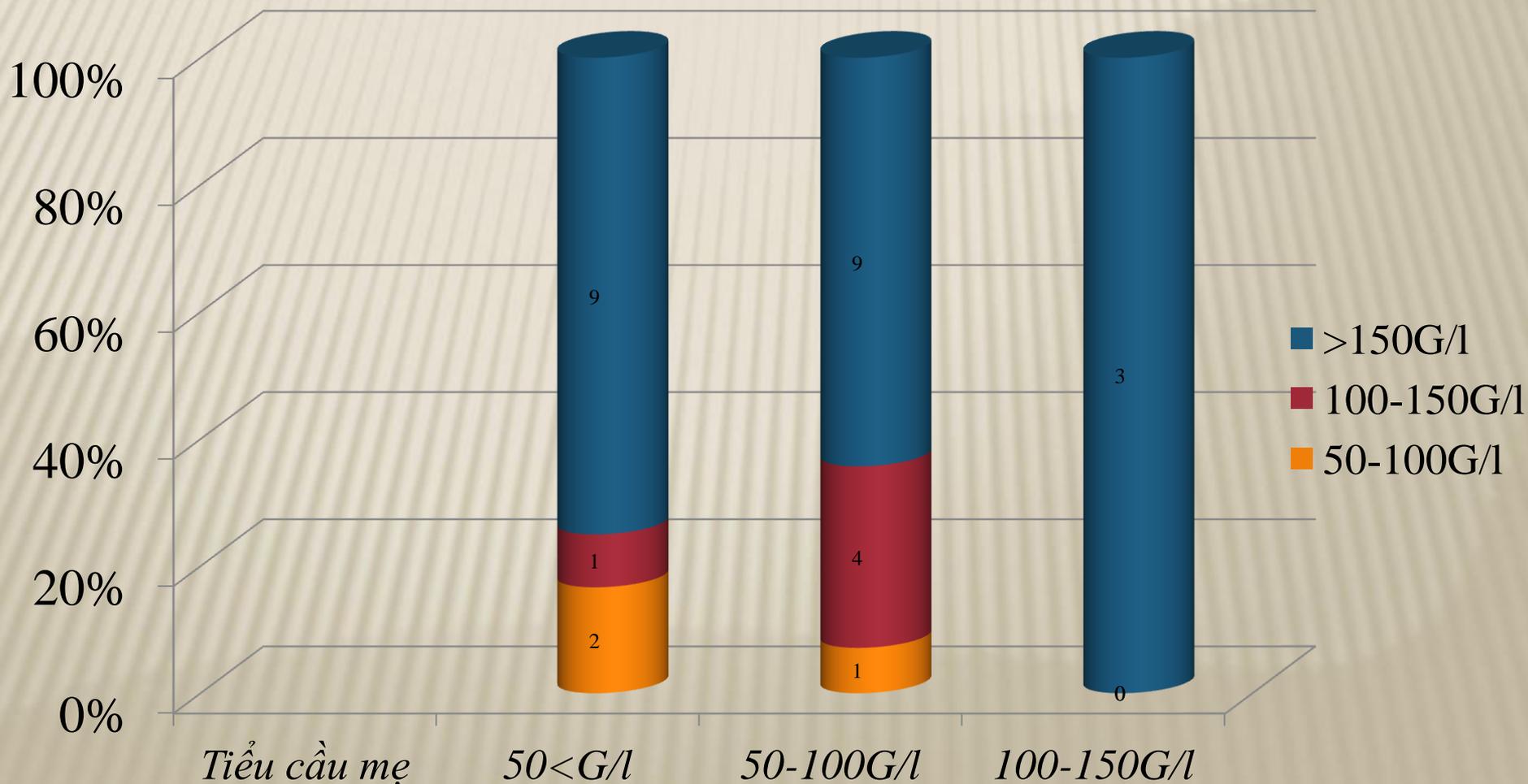
# RESULT AND DISCUSSION

Table 2. Correlation btw mother and newborn platelets  $P=0.914$

<b>P Mother P infant</b>	<b>&lt; 50G/l</b>	<b>50 – 100 G/l</b>	<b>&gt; 100 G/l</b>	<b>Tổng</b>
<b>50 – 100G/l</b>	2 16,67%	1 07,14%	0 0%	<b>3</b> 10,34%
<b>100 – 150G/l</b>	1 08,33%	4 28,57%	0 0%	<b>5</b> 17,24%
<b>≥ 150G/l</b>	9 75%	9 64,29%	3 100%	<b>21</b> 72,42%
<b>Tổng</b>	<b>12</b> 41,48%	<b>14</b> 48,28%	<b>3</b> 10,14%	<b>29</b> 100%

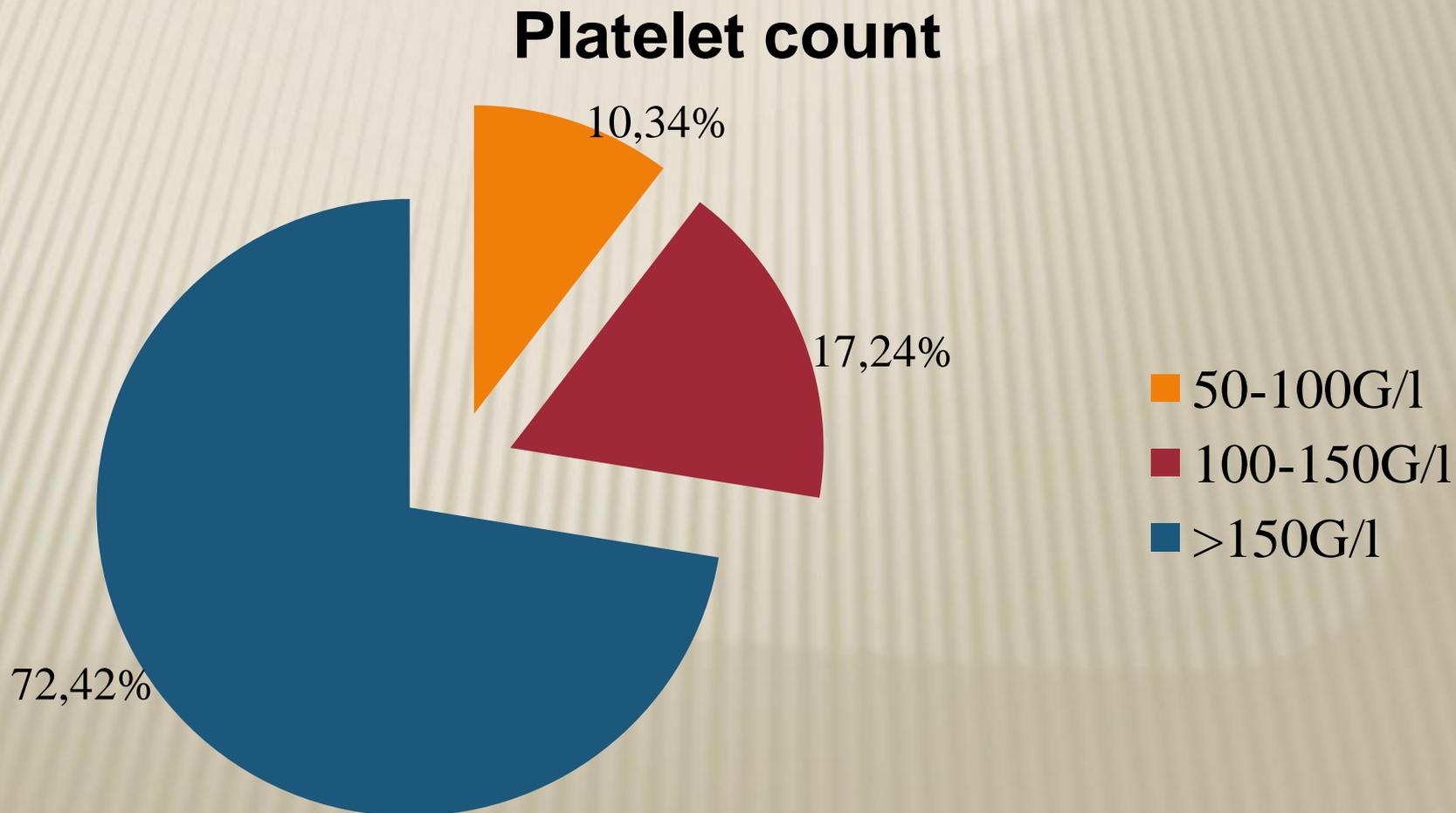
# RESULT AND DISCUSSION

## Correlation between mother and newborn platelets



# RESULT AND DISCUSSION

The newborn platelet count



# CONCLUSION



- ✘ All thrombocytopenia neonates had their mothers who got moderate to severe even critical thrombocytopenia.
- ✘ The affected rate to neonates in this study was 27.58% (the world: 10%).
- ✘ -The ratio of neonates with platelet counts under 100G/l was 57%, it higher than that of Burows (appox. 15%)

# CONCLUSION

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- ✘ Medium age of subjects 28,00 ± 5,04 (20 - 41).
- ✘ Medium pregnancy 39.03 ± 1.09 (38 - 42).
- ✘ Thrombocytopenia in pregnancy featured with a low blood platelet count from a mild to severe condition . Most of the cases without symptom. This disorder could be diagnosed by blood tests
- ✘ Thrombocytopenia in pregnancy may affect to low blood platelets in the neonates. However, the risk and the severeness of neonatal thrombocytopenia did not correlated well with those of maternal thrombocytopenia in pregnancy

# CONCLUSION

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Strict monitoring and comprehensive consultancy required for pregnant in general. Furthermore, blood counts are compulsive for neonates whose mothers with a low blood platelet count under 100G/l. Also specific guidelines for those mothers in terms of monitoring their infants recommended