

**ITALIAN S.I.G.O. GROUP FOR DIABETES  
IN PREGNANCY (D.I.P.)**

***HEAD : A. Pachi'***

**PREVALENCE OF CONGENITAL  
ABNORMALITIES AMONG  
OFFSPRINGS OF PREGESTATIONAL  
DIABETIC MOTHERS**

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Fetal Diagn Ther  
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# Timing of Fetal Growth Acceleration in Women with Insulin-Dependent Diabetes

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## **The ultrasound assessment of adipose tissue deposition in fetuses of 'well controlled' insulin dependent diabetic pregnancies**

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□ Minor degrees of (post-prandial) hyperglycaemia

□ Measurement of adipose tissue



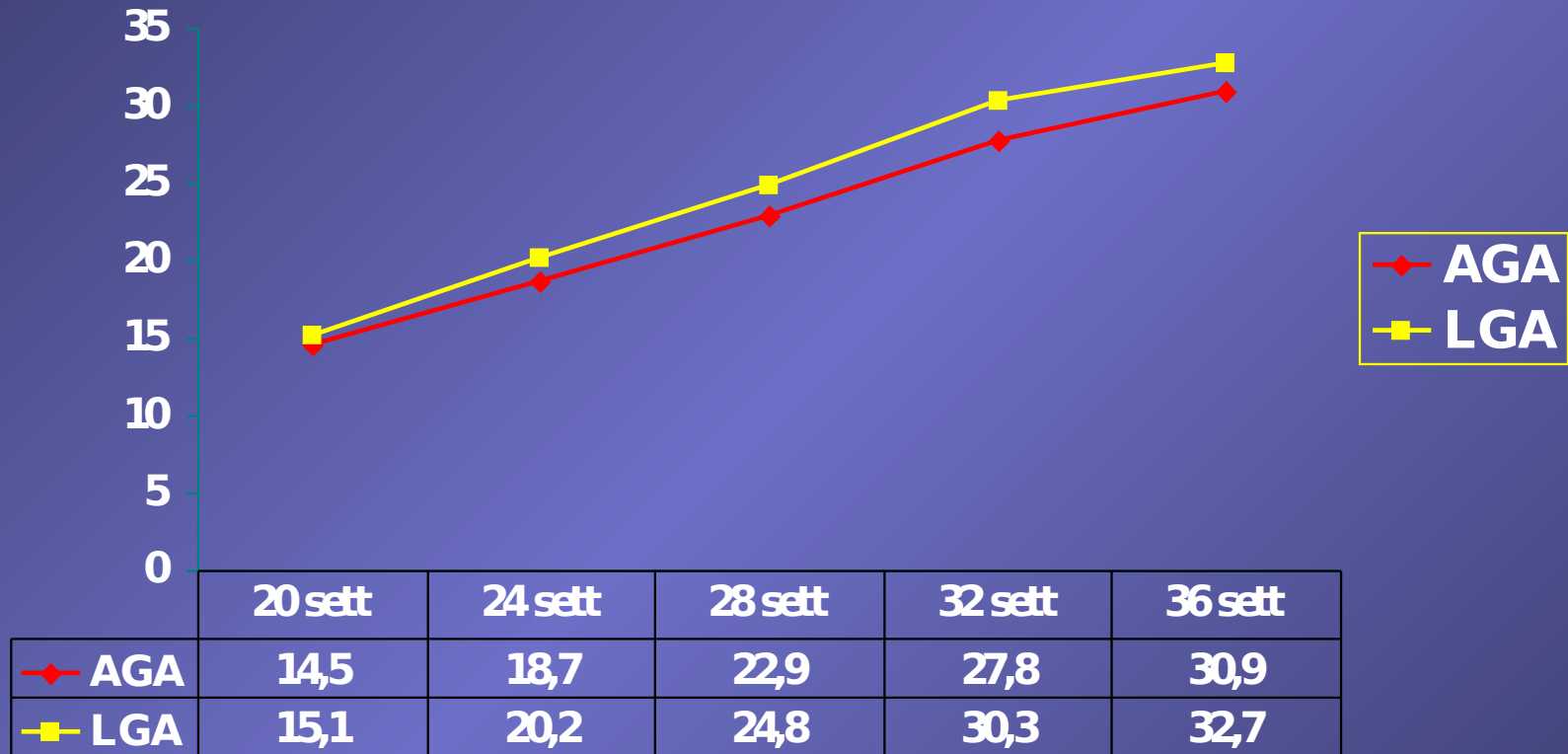


<b>2</b>	<b>Diabetic Group</b>	<b>Control Group</b>	<b>P</b>
<i>II trimester</i>			
Fasting glycemia (mml/l)	5.0 ± 1.0	3.3 ± 0.3	<0.01
Postprandial glycemia	5.6 ± 0.4	5.1 ± 0.3	<0.01
HbA1c (%)	5.3 ± 0.3	4.6 ± 0.3	<0.01
<i>III trimester</i>			
Fasting glycemia (mml/l)	4.6 ± 0.2	3.8 ± 1.1	<0.01
Postprandial glycemia	6.0 ± 0.6	5.3 ± 0.3	<0.01
HbA1c (%)	5.3 ± 0.3	4.2 ± 0.2	<0.01



<b>2</b>	<b>Diabetic Group</b>	<b>Control Group</b>	<b>P</b>
<i>31 weeks</i>			
Abdominal circumference (cm)	27.0 ± 0.5	27.3 ± 0.4	NS
Abdominal thickness (mm)	4.4 ± 0.1	3.7 ± 0.1	<0.05
<b>Suprascapular thickness (mm)</b>	<b>4.3 ± 0.2</b>	<b>3.5 ± 0.2</b>	<b>&lt;0.05</b>
<i>37 weeks</i>			
Abdominal circumference (cm)	31.7 ± 0.3	31.8 ± 0.2	NS
Abdominal thickness (mm)	5.6 ± 0.2	4.8 ± 0.1	<0.05
<b>Suprascapular thickness (mm)</b>	<b>5.4 ± 0.2</b>	<b>4.4 ± 0.1</b>	<b>&lt;0.05</b>
<i>Birth</i>			
Birthweight (gr)	3384.0 ± 163.0	3284.0 ± 139.0	NS
Ponderal index	2.6 ± 0.5	2.7 ± 0.1	NS
<b>Triceps (mm)</b>	<b>4.7 ± 0.1</b>	<b>4.1 ± 0.1</b>	<b>&lt;0.05</b>
<b>Suprascapular thickness (mm)</b>	<b>4.7 ± 0.1</b>	<b>3.8 ± 0.1</b>	<b>&lt;0.05</b>

# Abdominal circumference



NS

P<0.05

P<0.05

P<0.05

P<0.05

84 IDDM pts

*Greco, 2003*