



O.G.

A A R A U H Y P O X I A T E S T

ASPHYXIA INDEX AI

(Legat, M., Rippmann, E.T., Wardak, R.)

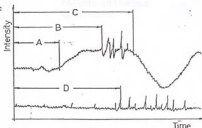
To assess placental function.

Principle: Cardiotocographic investigation of pregnant patients during respiration with a gas mixture with reduced oxygen content ($7\% \text{O}_2/93\% \text{N}_2$) during not more than 20 minutes. Rating of changes in time and quantity of 4 possible parameters. We assess:

- A. Acceleration
- B. Saltatory pulse
- C. Deceleration
- D. Increased fetal movements

We measure:

- 1. Time-lag to reaction (Fig.2)
- 2. Intensity of reaction



For quantitative measuring we use index numbers change according to the intensity of the reactions and to the time-lag to their first appearance.

Tab. 1: Rating of acceleration

Increase of fetal heart rate	Time lag in Minutes from start to first notice of acceleration		
	0 - 5	6 - 10	11 - 20
more than 20	3	3	2
11 - 20	3	2	1
1 - 10	2	1	1
0	0	0	0

The quantitative limits for the other index numbers can be seen in the original paper (Legat, M.: "Aarauer Hypoxie Test"). The index numbers add up to the Asphyxia Index (AI). It reaches from 0 to 12. It might help to estimate the capacity of the placenta for Oxygen exchange. It seems desirable to apply the Asphyxia Index in EPH-Gestosis. We ask you to judge its validity and its correlation with other means of checking placental function. The yearly Meetings of the Organisation Gestosis offer the possibilities to present papers and to discuss in international study groups your experiences and results with the AI.