





Neonatal problems associated with Macrosomia

“ R I C H M A N ”



R – Respiratory Distress Syndrome

I - Injuries at birth (Erbs palsy)

C – Cardiac (septal hypertrophy)

H - Heme (Polycythemia, hyperbilirubinemia)

M - Metabolic (Hypoglycemia, hypocalcemia)

A - Alimentary issue (dysplasia, atresia)

N – Neuro (poor feeding, Erbs palsy)

The association between birthweight 4000 g or greater and perinatal outcomes in patients with and without gestational diabetes mellitus.

Esakoff et al. Am J Obstet Gynecol 2009; 200:672.e1-672.e4

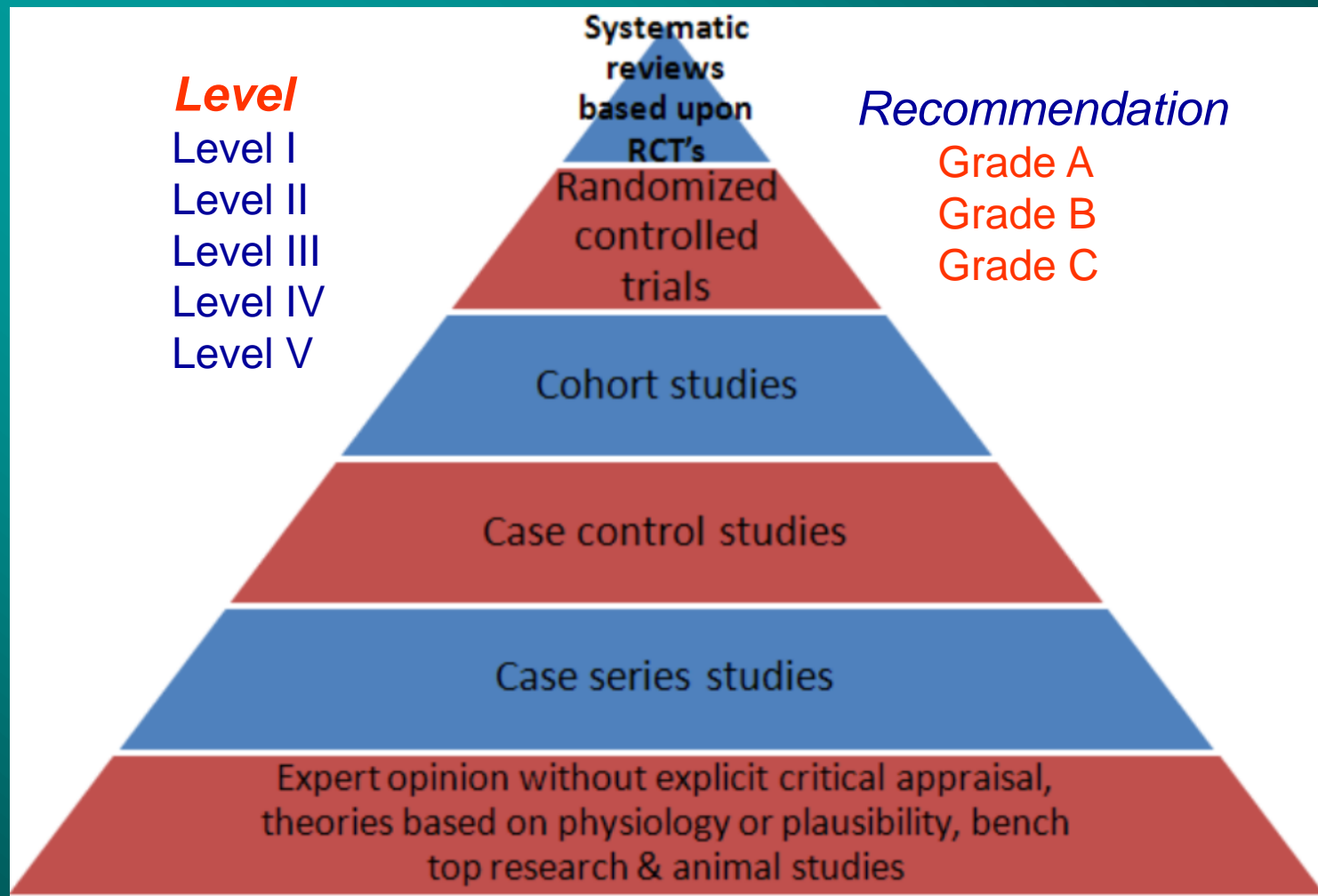
Type of study:

Observational study (retrospective)

Level of evidence :

IV, recommendation C

Level of Evidence / Recommendation



Birth weight and neonatal outcome

Type of study:

Observational study (retrospective)

Level of evidence :

IV, recommendation C

Overview of the article

Abstract:

Conclusion – no mention of GDM (wisely written). Weight alone affect the outcome

Introduction:

4 groups: GDM-no LGA, GDM-LGA, no GDM- no LGA, LGA-no GDM (what was the hypothesis?)

Methods:

Definition (GDM, hyperbilirubinemia, RDS, hypoglycemia) – well described, reproducible

Stats:

strong, well done

Overview of the article

Results:

BW > 4000g is associated with bad outcome (with GDM or without GDM), however GDM increases the risk further.

Discussion:

Genetic (less metabolic complications, tall mom less likely to have birth injury associated with macrosomic fetus)

Intrauterine environment – GDM

Outcome: Polycythemia vs hyperbilirubinemia (others “RICHMAN”)

Strength and weakness

Conclusion:

Fetal anthropometrics - future research

Birth weight and neonatal outcome

Post review questions:

Does it add any new information/knowledge?

Are you going to change your practice basing on the paper?



Thank You

The image features the text "Thank You" written in a delicate, pink cursive script. This text is centered on a teal background and is framed by a light green, stylized vine. The vine starts on the left with a small, closed pink flower bud, curves under the text, and ends on the right with a fully bloomed pink daisy-like flower with a yellow center. A few green leaves are also visible along the vine.