

When to Test for Glycosylated Fibronectin (GlyFN)

At GA 11-14	At GA 20-34
<ul style="list-style-type: none"> High Risk Pregnancies, with suspected PE To check for Early Onset of Preeclampsia. Additional tests between 20-24 and 32-34 to rule in/out PE 	<ul style="list-style-type: none"> Own + Referred cases, with suspected PE To check for Sudden/Late Onset of Preeclampsia with or without BP Diastolic changes, Proteinuria

Test Result	GlyFN Range in µg/mL	Clinical Interpretation of Test Result for any gestational age between 13 to 37 weeks
Normal	50-250	99.4% negative predictive value for normal pregnancy
Abnormal	251-350	Mild or developing PE repeat testing after 2 weeks
Positive	351-600	98% positive predictive value for diagnosis of preeclampsia
High Positive	>600	High risk of severe PE and adverse outcomes

*Rasanen. Glycosylated fibronectin biomarker for preeclampsia. Am J Obstet Gynecol 2015

Major Clinical Risk Factors for Preeclampsia



S.No	Risk Factors
1	Antiphospholipid Antibody Syndrome
2	Chronic Hypertension
3	Prior Preeclampsia
4	Pre-gestational Diabetes Type I or II
5	Prior Placental Abruption
6	Multifetal Pregnancy
7	Pre-pregnancy BMI > 30
8	ART
9	Chronic Kidney Disease
10	Prior Still Birth
11	Maternal Age < 18 or > 40
12	Nulliparity
13	SLE
14	Prior IUGR

Emily Bartsch et al. BMJ 2016;353:bmj.i1753

Management of Preeclampsia – Maternal & Fetal Surveillance

1. Enhanced Surveillance
2. The baseline laboratory investigations
3. Counselling
4. Ultrasound in < 34 weeks
5. Non Stress Test

Ref: Hypertensive Disorders of Pregnancy (HDP), Guidelines by FOGSI Committee, Sep 2014

Summary

1. Reliance of diastolic BP changes alone is risky
2. Sudden & late onset of Preeclampsia can be expected
3. Proteinuria may be absent
4. Preeclampsia has more than 10 risk factors
5. Preeclampsia has a metabolic & vascular component
6. GlyFN detects both metabolic and vascular PE, therefore more reliable than other maternal serum markers
7. GlyFN is more accurate and reliable in multiple gestations (2). Other markers are not validated for multiple gestations.



Helping You Choose

The Right Time

for

Assessment of Preeclampsia

with

Glycosylated Fibronectin (GlyFN) /

Lumella™ Test

The Lumella™ Test is a true, accurate, highly sensitive & reliable marker for preeclampsia

For further details, please contact enquiry@diabetomics.com



Special Thanks to Authors of this Publication



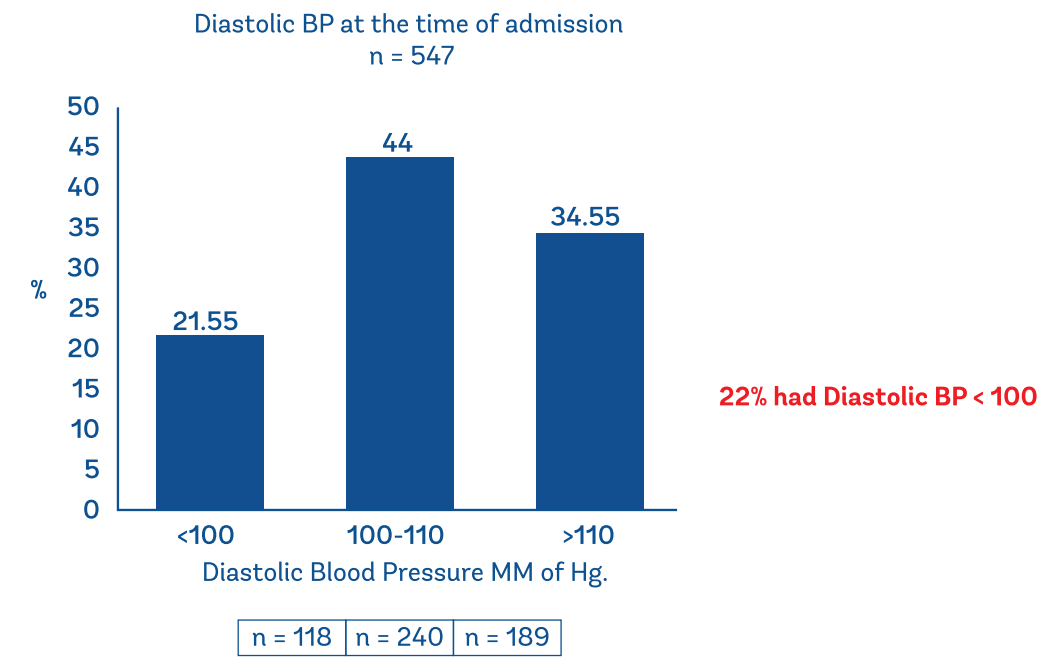
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Management of Eclampsia and Imminent Eclampsia, Maternal and Perinatal Outcome in 666 Cases-2003-2007 at Government Maternity Hospital in Hyderabad

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Clinical Profile of Pregnancies that developed Eclampsia & Imminent Eclampsia



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