Perinatal Quality FOUNDATION

Genetic Education Modules (GEM)

Perinatal Quality Foundation a 501C3 non-profit organization

MISSION: "Improving the quality of obstetrical medical services by providing state of the art educational programs ..."

2004: NTQR is a U.S. based NT credentialing program that has developed national consensus criteria for educational and exam content, proficiency evaluation, and epidemiologic monitoring.

2012: CLEAR trains persons performing transvaginal ultrasound cervical length measurement in pregnancy to adhere to standardized criteria for documentation of transvaginal ultrasound cervical length.

2013: FMC was created to promote a common understanding of EFM interpretation. The PQF credentialing exam combines both knowledge and judgment questions to assess interpretation of EFM in specific clinical situations.

2016: GEM.Perinatalquality.org

Provides information about genetic testing commonly offered during pregnancy to clinicians, staff, and patients.

Provides videos, tools and resources for patient and healthcare provider and staff education.

Makes available a patient's *Discussion Planner* that documents education and may be used to facilitate communication between provider and patient.

GEM is web-based and can be accessed on any desktop computer, smart phone or tablets.

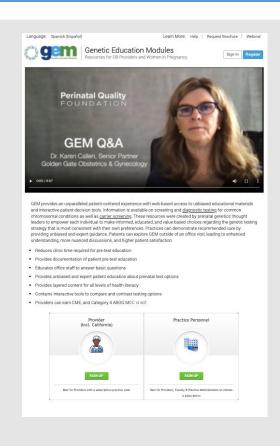


PQF / California CDPH Partnership

- GEM will be available to 500 CDPH Providers
- Videos by leading MFM geneticists Wapner, Norton, Dugoff
- Patient education tools and information
- Unlimited access from registration thru December 31, 2022 and longer as needed
- 3.5 hours of CME available to each provider

Registration



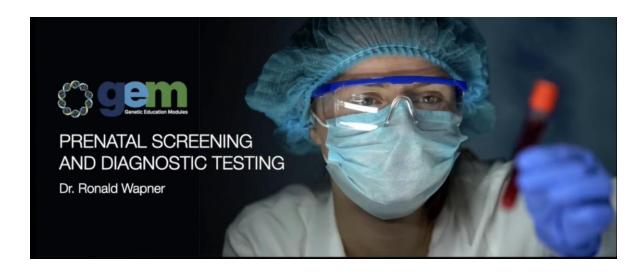


- GEM.perinatalquality.org
- Go to "Register"
- Pg 1: Clinician / Provider
- Pg 2: Clinician / Provider
- Use CDPH Subscription Practice Site Code = CDPH1234
- Save username / password for unlimited access

PROVIDER CREDENTIAL and CME

| Step | | Status |
|-----------------------------------------------|-------------------------|-----------------------------------------------|
| Step 1. Complete Registration | V | Completed: 04/05/2017 |
| Step 2. Review Provider Material | V | Completed: 04/05/2017 Access Provider Content |
| Step 3. View Course | \checkmark | Completed: 04/05/2017 View Course |
| Step 4. Review Patient Material | $\overline{\mathbf{V}}$ | Completed: 04/05/2017 Access Patient Content |
| Step 5. Pass Exam | $\overline{\mathbf{A}}$ | Completed: 04/20/2017 Exam Results |
| Step 6. Complete CME Evaluation | | Complete CME Evaluation |
| Step 7. GEM Credentials | | Not Complete |
| Step 8. Print CME Certificate | | Not Complete |
| Step 9. Print Documentation of GEM Completion | | Not Complete |

Video Course Lectures







GEM Provider Module

Focuses on genetic testing education, non-directive counseling, how to handle abnormal results, and when to refer to a genetic counselor.

The carrier screening provider module has guides to choosing a panel and for counseling couples.

















Explaining prenatal testing can be difficult. Patients come from diverse backgrounds. Their decision-making regarding genetic testing may be influenced by a variety of factors including moral, religious, and cultural beliefs.







When to Refer
Regardless of your breadth of knowledge, there are ti...



How to Handle Abnormal Results
Helping patient's make the best choices for them

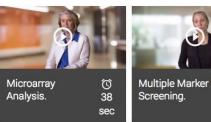
Provider and **Patient Videos**

- Videos are posted throughout the site and are available for review on one page as well.
- These videos can be found on the provider and patient pages and may be used as a common resource for education.

TEST OPTIONS











Sarah explains how knowing information during pregnancy can help prepare older siblings.



about the importance of information changing her



Fatima talks about how 19 information to compare options is helpful to her.



making a plan.

PROVIDER VIDEOS



An example of non-directive counseling.



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See all >

Patient Module

 The patient module provides information, tools, videos, a glossary and other resources that may be accessed prior to and throughout pregnancy. Learn More: Help | Request Brochure | Press Room | Webinar



Genetic Education Modules

Resources for OB Providers and Women in Pregnancy

My Account Sign Out

Home

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ne Tests

Tools

Videos

Discussion Guide





When you're ready:
Learn about the different genetic testing options >

TESTING OPTIONS

Screening Tests

- Prenatal Ultrasound
- Multiple Marker Screening
- Cell-free DNA Screening

Diagnostic Tests

- Diagnostic Testing by CVS/Amniocentesis
- Chromosome Analysis
- MicroArray Analysis

Genetic Carrier Screening Tests No Testing

Screening Tests





One of the first tests available to you.
Ultrasound has many uses, including confirming a due date, identifying twins, and looking for congenital anomalies.

LEARN MORE



Multiple Marker Screening

Traditional blood test screening to look for Down syndrome, trisomy 18 and open spina bifda. Doesn't tell for sure but doesn't increase the chance for miscarriage.

LEARN MORE



Cell-free DNA Screening

Newest, more effective prenatal blood test screen for Down syndrome, trisomy 18, trisomy 13 and sex chromosomes. Doesn't tell for sure but doesn't increase the chance for miscarriage.

LEARN MORE

Diagnostic Tests



Chromosome Analysis by CVS/Amniocentesis

Diagnostic testing that can tell for sure if a fetus has Down syndrome or other obvious chromosome conditions.

Procedure to get cells to test has a small chance for miscarriage.



Microarray Analysis by CVS/Amniocentesis

Diagnostic testing that can tell for sure if a fetus has Down syndrome, other major chromosome conditions, or very small pieces of genetic material that are extra or missing. Procedure to get cells to test has a small chance for miscarriage.



Diagnostic Testing By Chorionic Villus Sampling (CVS)/Amniocentesis

Tissue for chromosome analysis and chromosomal microarray analysis (CMA) can be taken from the pregnancy through chorionic villus sampling (CVS) or amniocentesis. Some obstetricians perform these procedures in their offices. Other obstetric care providers refer their patients to Maternal-Fetal Medicine (MFM) specialists to discuss testing or have testing performed.

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Tools

User testing shows that the tools are unique and very popular with patients.



Compare Tests

Choose two testing options to compare side by side

LEARN MORE



Risk Profiler and Test Detection Tool

Displays the chance of an anomaly in your pregnancy AND how testing options differ in what each can find





Testing at-a-Glance

Overview and comparison of testing options



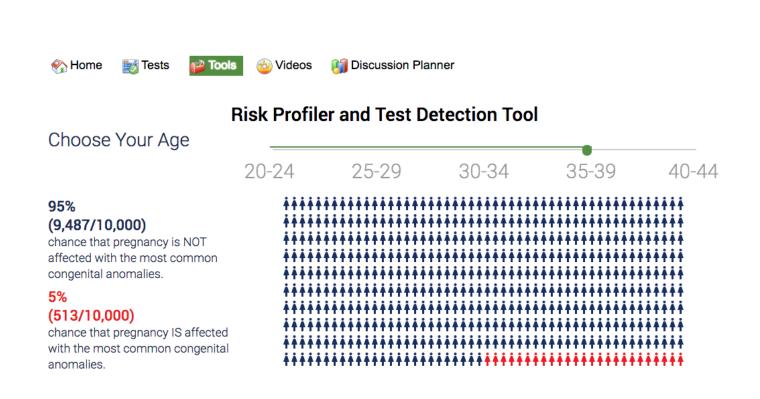
Decision Tool

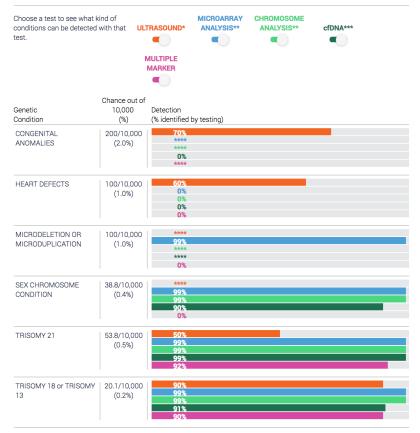
10 questions to help you think about the testing option(s) that may be best for you

LEARN MORE

LEARN MORE

Risk profiler & test detection tool





Decision Tool

Decision Tool

The statements below reflect personal values and preferences that individuals have indicated were meaningful in making a decision about prenatal genetic testing. Read each statement and consider how you feel about each one. Below each of the following 10 statements, select whether you Agree, Not Sure, or Disagree. After you have selected a response for each statement, click the Submit button located just below question number 10.

I want to know if my pregnancy is affected with a genetic condition or congenital anomaly.

AGREE NOT SURE DISAGREE

2 I want the most information available about my baby and my pregnancy, even if there is a small risk associated with obtaining that information.

AGREE NOT SURE DISAGREE

I would not have a test that could cause miscarriage of pregnancy, even if the chance is very small.

AGREE NOT SURE DISAGREE

I would end a pregnancy if affected by a genetic condition or congenital anomaly.

AGREE NOT SURE DISAGREE

I want information about my pregnancy before sharing the news with my friends or family.

AGREE NOT SURE DISAGREE

6 I have more anxiety worrying about the possibility that my baby may have special health needs, than if I knew for sure and could prepare.

AGREE NOT SURE DISAGREE

I do not want a test that would tell me if I have a genetic condition.

AGREE NOT SURE DISAGREE

I would rather know before birth if the baby has a genetic condition or congenital anomaly.

AGREE NOT SURE DISAGREE

I want to get as much information about my pregnancy as I can before having diagnostic testing.

AGREE NOT SURE DISAGREE

I value information that is more precise for a smaller number of conditions (such as Down syndrome) rather than less precise information about more conditions.

AGREE NOT SURE DISAGREE

The cost of the testing options could influence my decision.

AGREE NOT SURE DISAGREE

SUBMIT

"Improving the quality of obstetrical medical services by providing state of the art educational programs, and evidence-based, statistically valid monitoring systems to evaluate current practices and facilitate the transition of emerging technologies into clinical care"

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PQF / California CDPH Partnership

Partnership to Provide GEM Modules to CA
 Providers (https://bit.ly/CA GEM Partner)

Practice Site Code: CDPH1234

support@perinatalquality.org