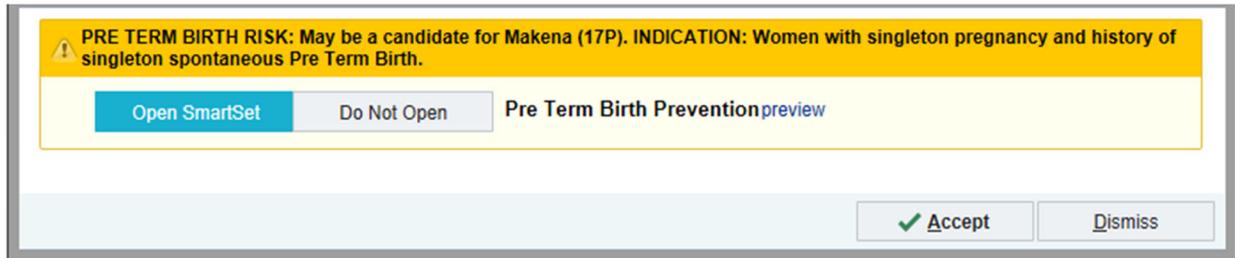


## Preterm Birth BPA



### Will fire

If the patient has an active pregnancy episode

In a prenatal encounter

Has a history of premature birth

GA is less than or equal to 147 days

Will pop up, then be off for one hour when:

- Open Patient chart
- Open Order Entry

Also will display in the General BPA section

### Will not fire

if there is a Makena order in the past 2976 hours

If patient is not a candidate for Makena

## Pre term Birth Smart Set

SmartSet Preview

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**Pre Term Birth Prevention [950004603]**  
[Makena 17 P Information](#) URL: <http://www.makenahcp.com/makena-care-connection>

**Progress Note**  
**AMB PRE TERM LABOR 17P PROGRESS NOTE**

17P DOCUMENTATION NOTE 17P DOCUMENTATION NOTE

**Orders**  
**AMB PRE TERM LABOR ORDERS**

<input type="checkbox"/> hydroxyprogesterone caproate in oil 250 mg/mL (MAKENA) intramuscular injection	1 mL, , Normal
<input type="checkbox"/> Maternal Fetal US OB Transvaginal - Cervical Length	Qty-1, Status: Future, Expires: 7/20/18, Normal, Routine
<input type="checkbox"/> US OB Transvaginal with Cervical Length	Qty-1, Status: Future, Expires: 9/20/18, Normal, Routine
<input type="checkbox"/> MAT FETAL MED CTR REFERRAL-PREGNANCY	Qty-1, External referral, Routine

**Diagnosis**  
**AMB PRE TERM LABOR DIAGNOSIS**

<input type="checkbox"/> History of preterm delivery, currently pregnant in second trimester	Diagnosis
<input type="checkbox"/> History of preterm delivery, currently pregnant in third trimester	Diagnosis
<input type="checkbox"/> History of preterm delivery, currently pregnant, unspecified trimester	Diagnosis

**Patient Instructions**  
**AMB PRE TERM LABOR 17P PATIENT INFO**

17P (MAKENA) PATIENT INFORMATION 17P (MAKENA) PATIENT INFORMATION

17P Documentation Note

### Evaluation for 17 alpha hydroxyprogesterone caproate (17P)

Is this current pregnancy a singleton pregnancy? {Yes & No:140536}

Has this patient experienced a spontaneous, preterm birth **or preterm premature rupture of membranes** between 20 – 36 6/7 weeks of a singleton pregnancy? {Yes & No:140536}

{ :9999002}

Both answers are "Yes" the patient may be a candidate for "17P" Makena. {17P PRESCRIBING INFORMATION:TXT:9999003}  
Either answer is "No" the patient is not a candidate for "17P". Plan continue with usual care.

### Assessment:

@FNAME@ is a @AGE@ @GP@ at @GA@ with a history of prior spontaneous singleton preterm birth. Given this history, @FNAME@ is at risk for recurrent preterm birth in this pregnancy. I discussed the availability of 17-alpha hydroxyprogesterone caproate (17P), which has been demonstrated to reduce the incidence of recurrent preterm birth and @FNAME@ meets criteria for weekly 17P administration in this pregnancy.

DROP DOWN – 1) Patient has no contraindications to 17P vs 2) Patient does have contraindication to 17P and therefore this therapy is not recommended (can there be a drop down of contraindications here?).

Informed patient that 17P requires a commitment to weekly injection which should begin before 20+6 weeks and abrupt discontinuation can increase the risk for PTB.

Patient agrees to proceed with weekly 17P injections

Epic Order for Makena (FV Pharmacies)

(Fairview Pharmacy will complete the prior auth)

**Plan:**

17P 250mg IM weekly beginning between 16-20 weeks through 36 weeks gestation

Serial transvaginal ultrasound for cervical length from 16 through 22-23 weeks gestation

Screen for asymptomatic bacteriuria at first prenatal visit and treat with appropriate antibiotics if present

Smoking cessation if indicated

**Patient Information:**

**PRETERM BIRTH AND 17-ALPHA HYDROXYPROGESTERONE CAPROATE (17P) TREATMENT**

**What is preterm birth?**

Preterm birth is the delivery of a baby before 37 weeks of gestation. Approximately 1 in every 12 babies in MN is born premature (that's approximately 6,000 babies every year)!

Preterm birth is often unexpected, but can happen for many reasons. There are some known risk factors, which include:

- pregnancy with twins or triplets
- being African American race
- some problems with the uterus or cervix
- some medical problems like high blood pressure
- smoking, drinking, or using illegal drugs while pregnant
- infections like urinary tract infection, bacterial vaginosis and chlamydia while pregnant
- depression, stress, and anxiety

But the biggest risk factor is having a previous preterm baby. In fact, women who have one preterm birth have a 30-50% chance of their next baby coming early too.

**What are the risks to a baby that delivers prematurely?**

Preterm birth is the number one cause of newborn death worldwide. This risk increases the earlier the baby is born. Prematurity can also cause serious long term health problems for babies such as breathing problems, infections, bleeding into the brain, as well as long term developmental problems like cerebral palsy, learning impairments, hearing and vision problems.

**How can I prevent preterm birth in my pregnancy?**

Overall, the best thing to prevent preterm delivery is to stay healthy during your pregnancy, and follow up with your doctor for your regular visits and screening tests. If you have a history of preterm birth in one of your past pregnancies, you may benefit from weekly injections of 17P.

## **What is 17P?**

The full name is 17-alpha hydroxyprogesterone caproate. This is a form of your body's natural "pregnancy hormone", progesterone. The brand name of this is Makena, and it is FDA approved for prevention of preterm birth. This medication is given in once weekly injections from week 16-20 through the 36<sup>th</sup> week of pregnancy. Research shows that women taking 17P can reduce their risk of preterm birth from 50% to 36%. The treatment has also been shown to reduce the risk of complications after birth, such as bleeding in the brain and need for supplemental oxygen.

It is important to complete the treatment once you start, as the risk of preterm birth goes up if you stop the injections early.

## **How can I get started on the 17P treatment?**

First, you should talk with your doctor to find out if this is a good option for you. It is safe for pregnant women and for the fetus, but if you have some medical problems like uncontrolled blood pressure, breast cancer, or liver disease you should talk about it with your doctor first. Your clinic will work with you to help determine insurance coverage and preauthorization if needed. Then you will schedule weekly visits for 17P injections in addition to your routine prenatal visits with your doctor.

## **Side Effects of 17P**

The most common side effects reported by Makena users is injection site reactions (pain [35%], swelling [17%], pruritus (itching) [6%], nodule [5%]), urticaria (rash) (12%), pruritus (generalized itching (8%), nausea (6%), and diarrhea (2%).

17P Prescribing information:

## **Important safety and prescribing information for Makena (hydroxyprogesterone caproate injection)**

### **Contraindications**

- Current or history of thrombosis or thromboembolic disorders
- Known or suspected breast cancer, other hormone-sensitive cancer or history of these conditions
- Undiagnosed abnormal vaginal bleeding unrelated to pregnancy
- Cholestatic jaundice of pregnancy
- Liver tumors, benign or malignant, or active liver disease
- Uncontrolled hypertension
- Makena should be discontinued if thrombosis or thromboembolism occurs
- Allergic reactions, including urticaria, pruritus and angioedema have been reported with use of Makena or with other products containing castor oil.

### **Dosage and Administration**

- Administer intramuscularly at a dose of 250 mg (1 mL) once weekly
- Begin treatment between 16 weeks, 0 days and 20 weeks, 6 days of gestation
- Continue administration once weekly until week 37 (through 36 weeks, 6 days) of gestation or delivery, whichever occurs first

**Adverse Reactions**

Most common adverse reactions reported in = 2% of subjects and at a higher rate in the Makena group than in the control group are injection site reactions (pain [35%], swelling [17%], pruritus [6%], nodule [5%]), urticaria (12%), pruritus (8%), nausea (6%), and diarrhea (2%). (6.1)

[Makena Link](#)