Medicine, 2015 - 16

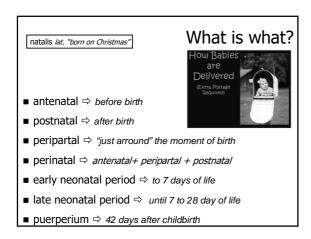
# PRENATAL / ANTENATAL MEDICAL CARE

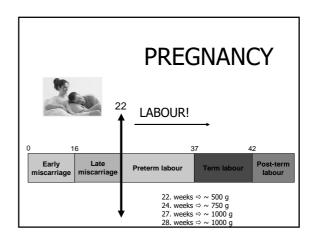
prof. Damir Roje

### ANTENATAL CARE

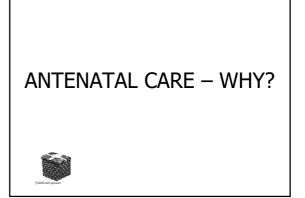
All we do before the birth in order to achieve the best possible perinatal outcome!

- before, during (and after) pregnancy
- the birth of a healthy child with protection of the mothers health





# PERINATAL MEDICINE? BABY BOARD interdisciplinary medicine part of gynecology: (obstetrics & feto-maternal medicine) part of pediatrics: (neonatology)



### HISTORY OF ANTENATAL CARE

- women "with expirience"
- midwifes
- obstetrics & gynecology begining of the XX. century
- homebirths
- after the second world war childbearinh in hospitals
- ~ 1950. organised antenatal exams for the first time!
- different guidelines (until now)
- ultrasound ~ in the early seventies

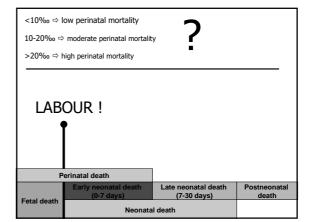
Perinatal mortality, Europe 1900. - 1920.

■ Perinatal mortality 50‰ !!!

■ Mothers mortality rate: 3 - 9 / 1000!!!

### Perinatal outcome, Croatia 2014. godine

- perinatal mortality < 5‰
- Split 4,3‰
- Msternal mortality rate ~ 8 / 100 000 poroda



# Evolution of obstetrics and perinatal medicine

- technics & science
- medinine in global view
- evolution of pediatrics, anestesiology, surgery, transfusiology, .....
- antibiotics !!!

## ANTENATAL CARE before pregnancy:

- gynecologic exam, ultrasound, PAPA smear
- treating uro & gynecologic infections
- general woman health
- treating chronic disease
- dental protection, cure & hygiene



### ANTENATAL CARE during pregnancy

- gynecological exam every 4 weeaks, later every 3 and every 2 weeks at the end
- ultrasound exams No. ?
- Determinating the date of delivery!
- lab: KG,Rh, red and white blood cels, thrombocites, urine
- hepatitis "B" yes!, hepatitis "C" no!
- microbiology: cervical smears and urine-culture
- PAPA obligaotry!
- blood glucose, OGTT
- from case to case .... (individualy)



### DETERMINE THE DAY OF **DELIVERY**

- up to the first day of last menstrual period:
- + seven days and the resulti decline for three months!
- biometry ultrasound in the first trimester
- conception day
- first fetal movement : promigravidae 18-20 weeks, multiparous one to two weeks earlier

The duration of pregnancy: - 280 days - 10 lunar months

### ANTENATAL CARE last weeks & arround the term

amnioscopy



■ cardiotocography (CTG)





### ANTENATAL CARE, AIM:

- notice high risk pregnancies as early as possible
- recognize all that is "non-physiologic"
- prevent pregnancy complications



- minimize potential pregnancy complications
- $\,\blacksquare\,$  treat treatable complications (causal or simptomatical way )

### ANTENATAL CARE IN CROATIA - ORGANISATION:

- primary gynecology: physiology normal pregnancy
- gynecologist & pediatrics are the only specialists in primary medical care in Croatia (beside dentists and GP)
- secundary gynecology hospitals pregnancy complications, high risk pregnancies
- maternity hospitals: I., II., & III. level



### **HIGH RISK?**

- < 18 years
- primigravidae > 35 years
- multiparae (5 & more labours)
- DM, hipertension, pretile women (obese), kidney problems, autoimune diseases ...
- low woman < 160cm (150cm)
- habitual miscarriages, C sections, ....
- previous pregnancy(ies) with complications
- smokers, drug abusers



