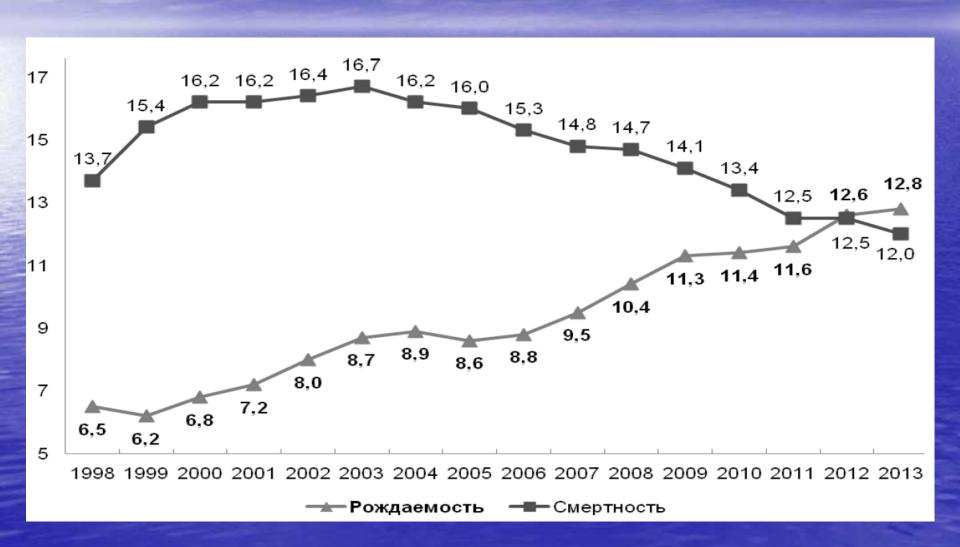


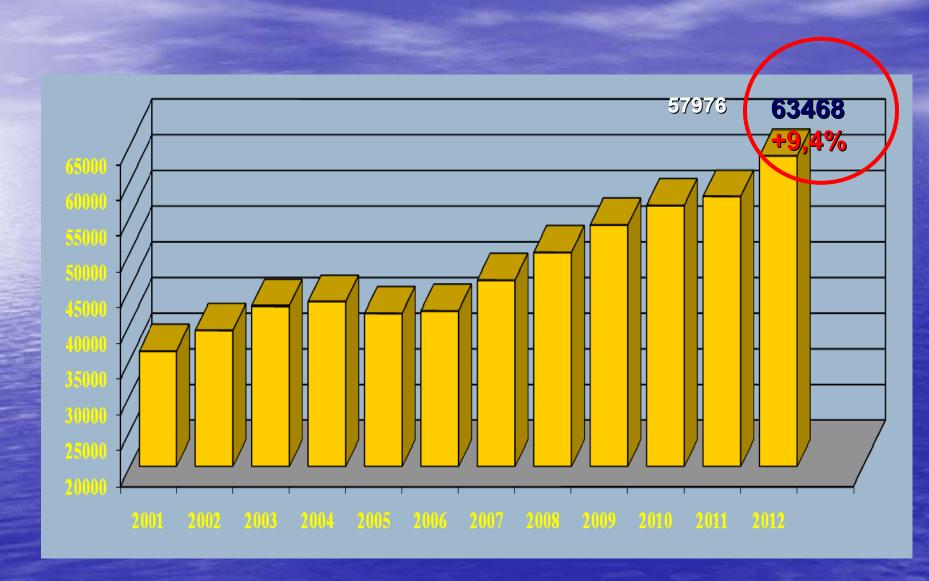


Anton Mikhailov St.-Petersburg, Russia

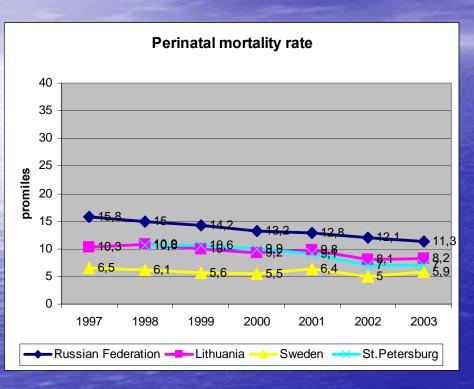
Demographic dynamic in St.-Petersburg

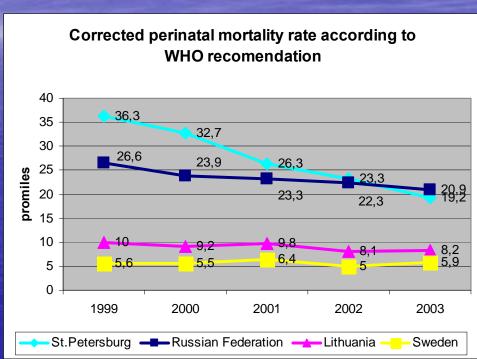


Birthrate in St.-Petersburg (2000-2012)



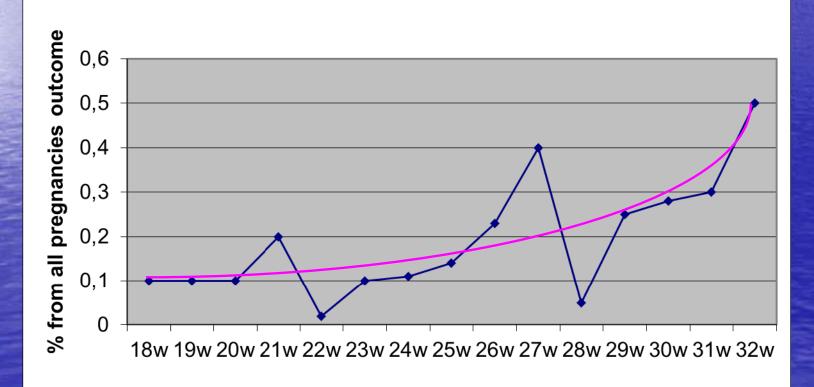
Old and WHO recommendation for perinatal mortality calculation 10 years ago





WHY actually we in Russia were not so Good as could be?!

Dynamics of the rates of late abortion and preterm birth depending on of pregnancy age (unofficial data extracted from official statistic)



St.-Petersburg 2011-2012

	2011 РФ	2011 СПб	2012 СПб	
N Birth	1753587	57976	63468	
Birthrate/1000 citizen	13,3	11,7	13,0	
Perinatal mortality,‰	6,78	4,1	7,34	
Maternal mortality/100000 live birth)	16,0	21,4	22,8	

Improvements in Perinatal care - "Fetus as a Patient" concept

Ultrasound

Improvements in Perinatal care - "Fetus as a Patient" concept



Improvements in Perinatal care - "Fetus as a Patient" concept



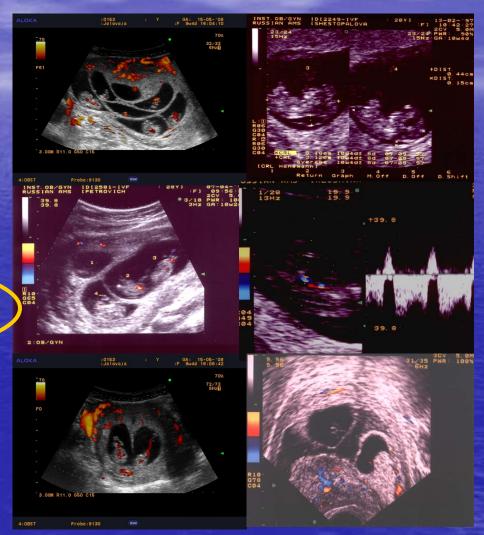
III levels of Perinatal care in St.-Petersburg

- First trimester ultrasound 11-14 w 89%
- First trimester biochemistry 78%
- Second trimester US
- Third Trimester US
- Ultrasound in Pregnancy

- 18-20 w 94%
 - 32-34 w 92%
 - 99%

III-d level of prenatal care - to define the High-High Risk MP to the end of I-st trimester

- N of gestational sacs
- N of fetuses
- N of alive fetuses
- Chorionicity
- Amnionicity
- Fetal abnormalities
- NT, NB, DV, TrR, FAng
- Gestational sacs localization
- Umbilical cord insertion and AFV



Pregnancy age determination !!!!

III levels of Perinatal care in St.-Petersburg

 Invasive PD - 60 -70% detection rate of Tr21 in St.Pet. Population (including migrants)



III levels of Perinatal care in St.-Petersburg

Fetal therapy – from IUBT to Laser

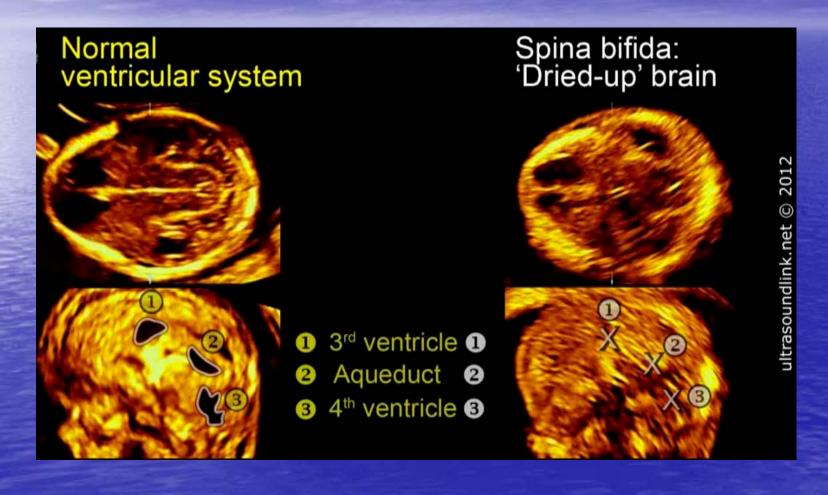


Fetal Myelomeningocele St.-Petersburg





First trimester spina bifida detection



SB and MMC in St.-Petersburg

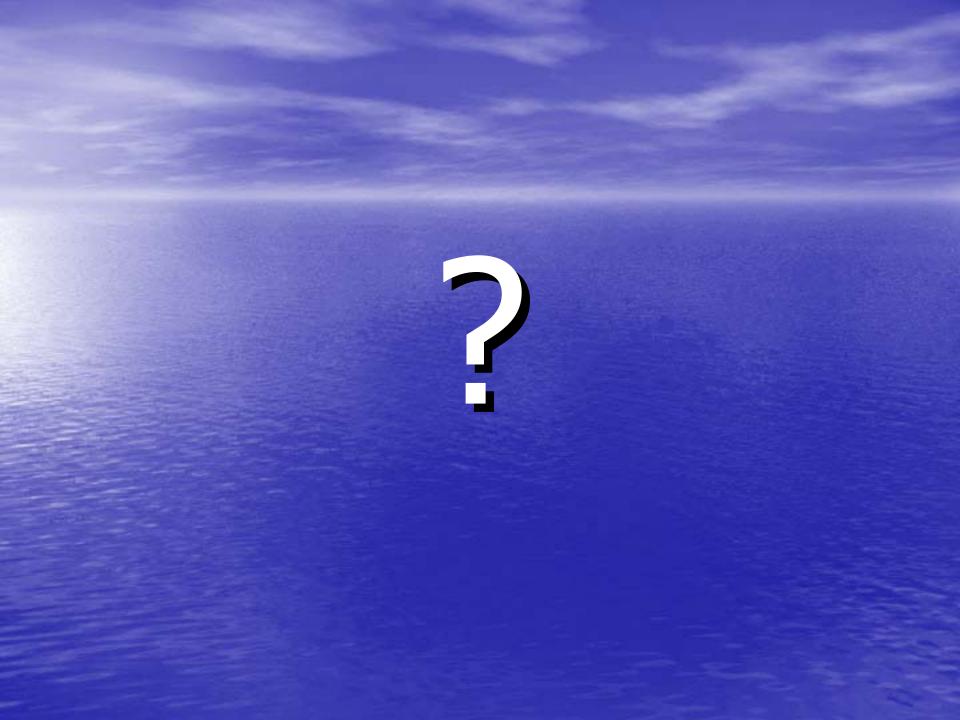
During last ten years in St-Petersburg 652 fetuses with congenital CNS abnormality were detected prenataly, 275 fetuses of them had severe vertebrae and spinal cord abnormality. The last group contained 175 cases of spina bifida – 100 cases with protrusion of spinal cord and meninges. During the time 67 neonates with spina bifida were born.

SB and MMC in St.-Petersburg

 Vast majority prenataly pregnancies complicated by fetal myelomeningocele diagnosed before border of fetal viability were interrupted. The rate of neonates with such defectin in St.-Petersburg reduced twice from 15 to 8/100000 deliveries. After border of fetal viability (22gw) multi-disciplinary prenatal counseling is obligatory to determine an optimal care, time and method of delivery and plan for neonatal care.

Late Pregnancy fetocide





Spina Bifida in Neonates were born in St/Petersburg

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
	Q00-Q07	22	25	32	34	30	41	37	31	32	32	316
The state of the s	Spina bifida	5	6	4	10	5	4	7	9	12	5	67





FETUSas aPATIENT

Presidents: Anton Mikhailov Dmitry Ivanov









SAINT PETERSBURG

JUNE, 11th - 13th, 2015

www.fetus2015.eu