# **Endometriosis in Hungary**

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ESHRE guidelines for the diagnosis and treatment of endometriosis Presentation and interactive discussion ESHRE Campus Hungary, 26 February 2010



#### Conflict of interest/potential bias

Lecturer at Semmelweis University Faculty of Medicine 1st Department of Obstetrics and Gynaecology

Doctoral Fellow at KULeuven, Experimental Gynaecologic Laboratory

No conflict of interest

## Outline

Endometriosis Prevalence in Hungary

Hungarian Healtcare System – Role of the University Hospitals

Semmelweis University Faculty of Medicine 1st Department of Obstetrics and Gynaecology

Patient Self-help Groups in Hungary

National Guidelines for Diagnosis and Therapy of Endometriosis

## **Prevalence of Endometriosis**

- 10% women of reproductive age
- 30% and 60% in women with infertility and pelvic pain respectively
- More than 70 million women worldwide
- Endometriosis EU 14 million women

# Prevalece of Endometriosis in Hungary

Female: 5263687

POPULATION OF HUNGARY 30 January 2010

Total: 10015425

**Women of reproductive age** 35% 1842290 10%

~184223 with endo

Source:Hungarian Central Statistical Office

\$22 billion in 2002 in the USA						
DRUGS	DIAGNOSTICS	SURGERY	HEALTH CARE	OTHER		
NSAIDs Progestagens c-OCP Danazol Gestrinone GnRH-a Add-back HRT Mirena coil Antibiotics Anti- depressants	Ultrasound scan Internal scan MRI Blood tests Swabs Barium enema Sigmoidoscopy Endoscopy Bone scans X-rays	Laparoscopy Laparotomy Hysteroscopy Hysterectomy Endometrial ablation Theatre costs	GP Gynaecologist Nurse Urologist Gastro- enterologist Anaesthetist Radiologist Theatre staff Haematologist Counsellor Physiotherapist Psychiatrist	ART A&E visits Hospitalisation Alternatives Transportation Child care Work absence ↓ productivity ↓ education ↓ activities		



# Comparative Costs: Endo versus Other Chronic Diseases

Review of endo-related cost estimates in USA (Simoens et al, 2007)

1. annual (2002) healthcare costs + costs of productivity loss: = about \$ 4000 per patient per year

2. USA cost per year for endo (2002)
\$22 billion per year (at 10% prevalence of endo among women of reproductive age)

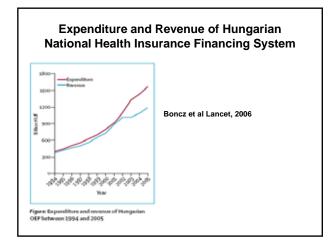
3. Endo cost considerably higher than cost related to Crohn's disease or to migraine in the USA for 2002

#### Expediture and Revenue of the Hungarian National Health Insurance Financing System (Million HUF)

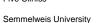
Year	2007	2008	2009	2010
Total	1 676 024,3	1 445 184,4	1 408 714,0	1 376 095,0
revenue				
Total	1 648 616,7	1 445 111,0	1 417 566,1	1 445 503,3
expediture				
Difference	27 407,6	73,4	-8 852,1	-69 408,3

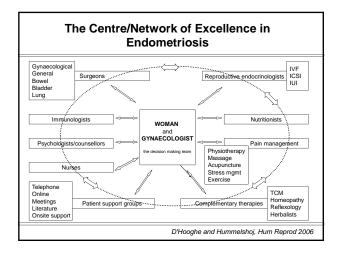
Source :National Health Insurance Fund













Should improve cost-effectiveness of endo management by

- 1.a reduction in the time to diagnosis
- 2.a reduction in the time before individualised specialist care is invoked
- 3.a reduction in expensive fertility treatments, if the disease is under control before fertility is impaired

# 1st Dept. OB/GYN Semmelweis University Faculty of Medicine

- Founded in 1812, first Hungarian Dept.of OB/GYN
- 158 beds
- ISO 2001/9001
- 10000 inpatients/year
- 100000 outpatients/year
- Courses in Hungarian, English, German

#### Multidisciplinary Management of Endometriosis at 1st Dept. OB/GYN

Clinical CollaborationGeneral surgeon

(Péter Lukovich MD Semmelweis University

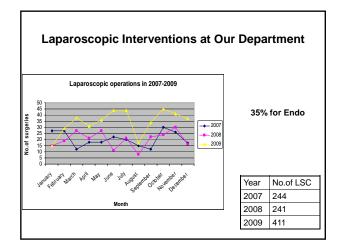
1 st Dept.of Surgery)

(Péter Nyirády MD, PhD Semmelweis University Dept.of Urology)

Urologist

Division of Ultrasonography (István Szabó MD, PhD)

- Endocrinology Outpatient Clinic (György Szendei MD, PhD)
- Minimally Invasive Surgery Unit (Attila Bokor MD)
- Fertility Centre (Prof. János Urbancsek MD, PhD)
- Psychotherapy (Katalin Szakács MD)





## **International Collaboration**

- KULeuven, Belgium (Thomas D'Hooghe)
- LKH Villach, Austria (Jörg Keckstein)
- University of Tübingen, Germany (Christoph Reising)
- Universita di Sacro Cuore, Italy (Carlo de Cicco)
- Tel Hashomer Hospital, Israel (Ron Schonman)
- University of Chicago, USA (Andras Ladanyi)
- EndoCost Study

Belgium	Thomas D'Hooghe Steven Simmoens	KULeuven
Denmark	Jens Jørgen Kjer Lianna Christensen	Glostrup Hospital
France	MIchel Canis Laurent Gerbaud	Clermont-Ferrand
Germany	Gülden Halis Iris Brandes	KEZ, Berlin Medizinische Hochschule Hannover
Hungary	Attila Bokor Valentin Brodszky	Semmelweis University Corvinus University
Italy	Paolo Vercellini Giorgio Colombo	University of Milano
Netherlands	Gerard Dunselman Carmen Dirksen	University of Maastricht
Switzerland	Michael Müller Marcel Wullschleger	University of Bern
USA	Dan Lebovic/Tomasso Falcone/Eden Moran	Madison/Cleveland Clinics/Christus St.Francis
UK	Andrew Horn Barbara Graham	University of Edinborough

# Patient Self-help Groups in Hungary

"Patient self-help groups can provide invaluable counselling, support and advice."

Kennedy et al, Human Reprod 2005

- <u>www.endometriozis.hu</u>
- <u>www.endostop.hu</u>
- www.endometriozis.lap.hu
- www.femina.hu/baba/endometriosis

#### **Endometriosis Treatment**

"Treatment must be individualised, taking the clinical problem in its entirety into account, including the impact of the disease and the effect of its treatment on quality of life"

Kennedy et al, Human Reprod 2005

#### **National Guidelines for Endometriosis**

Issued by the Ministry of Health 9 April 2006

Under the supervision of the College of Hungarian Obstetricians and Gyneacologists

Based on the ESHRE guidelines

Unclear parts with respect to medical and surgical treatment

National adoptation of the current ESHRE guidelines would be of great benefit