



Roma, 9-12 novembre 2017



ITALIAN CHAPTER



# Endogenous Hypercortisolism (Cushing from A to Z) Clinical Cases (Real Life)

**Giuseppe Reimondo**

SCDU Medicina Interna 1

SS Endocrinologia

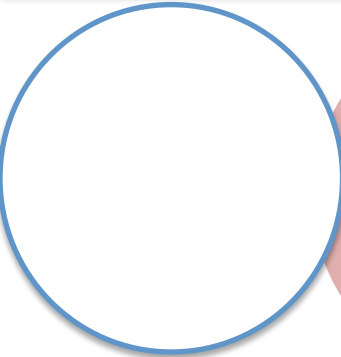
AOU San Luigi Gonzaga Orbassano

Dipartimento di Scienze Cliniche e Biologiche – Università di torino

[giuseppe.reimondo@unito.it](mailto:giuseppe.reimondo@unito.it)

# HOW TO CHOOSE? HOW TO EVALUATE?

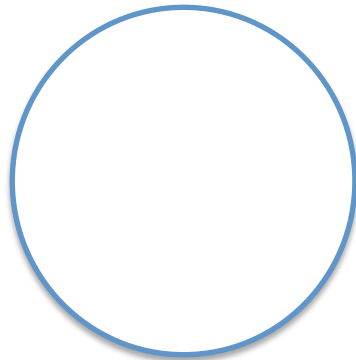




**Medical treatment**  
**PASIREOTIDE**  
 METOPIRONE

Woman 37 yrs,  
 Relapse of CD  
 UFC 1.5 x ULN  
 Hypertension,  
 Dyslipidemia,  
 Normal glycemia  
 Concomitant therapy:  
 citalopram, diltiazem  
 simvastatina  
 Negative MRI

Age and Fertility  
 UFC levels  
 Prolonged QcT  
 Interference  
 withCYP3A4  
 MRI



Radiotherapy  
 Fertility  
 Bilateral Adrenalectomy  
 Longlife morbidity  
 Neurosurgery  
 Negative MRI  
 Longlife  
 Medical therapy

Radiotherapy  
 Bilateral Adrenalectomy  
 Neurosurgery  
 Medical therapy

Which options?



Woman 63 years, CD  
 Hyperplasia ACTH pos  
 Persistence of disease  
 Mitotane treatment - STOP after  
 side effects  
 UFC x 1.5 ULN  
 1 mg DST 8.7 mcg/dl,  
 LNSC 4-5 mcg/l  
 Glicated Hb 6.5%  
 Hypertension, Dyslipidemia, AF  
 Propafenone, atorvastatin,  
 irbesartan, alprazolam  
 Negative MRI

She accepted  
second  
adrenalectomy

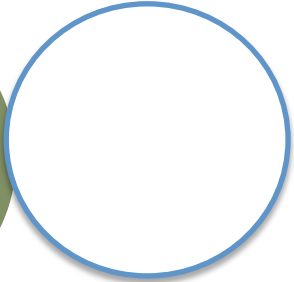
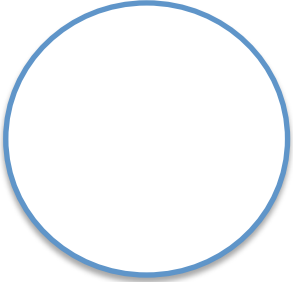
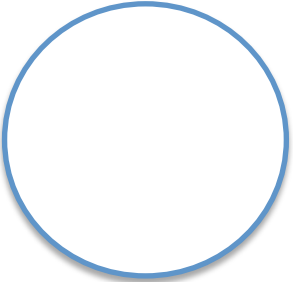
Radiotherapy  
 Bilateral  
 Adrenalectomy  
 New Medical  
 therapy

She refused bilateral  
adrenalectomy

Age and sex  
 Hirsutism  
 UFC values  
 Prolonged QT

Longlife medical  
 treatment  
 Second  
 adrenalectomy  
 Radiotherapy

Cabergoline and ketoconazole  
 Monolateral adrenalectomy  
 Relapse of disease after 1 year





Woman 31 years  
Dance teacher,  
Adrenal mass 30 mm  
UFC 10 x ULN  
1 mg DST 21 mcg/dl,  
ACTH 2.5 pg/ml,  
DHEAS e testosterone reduced  
Increased liver enzymes  
Sleep disorders and depression  
Absence of hypertension or DM  
Asthma

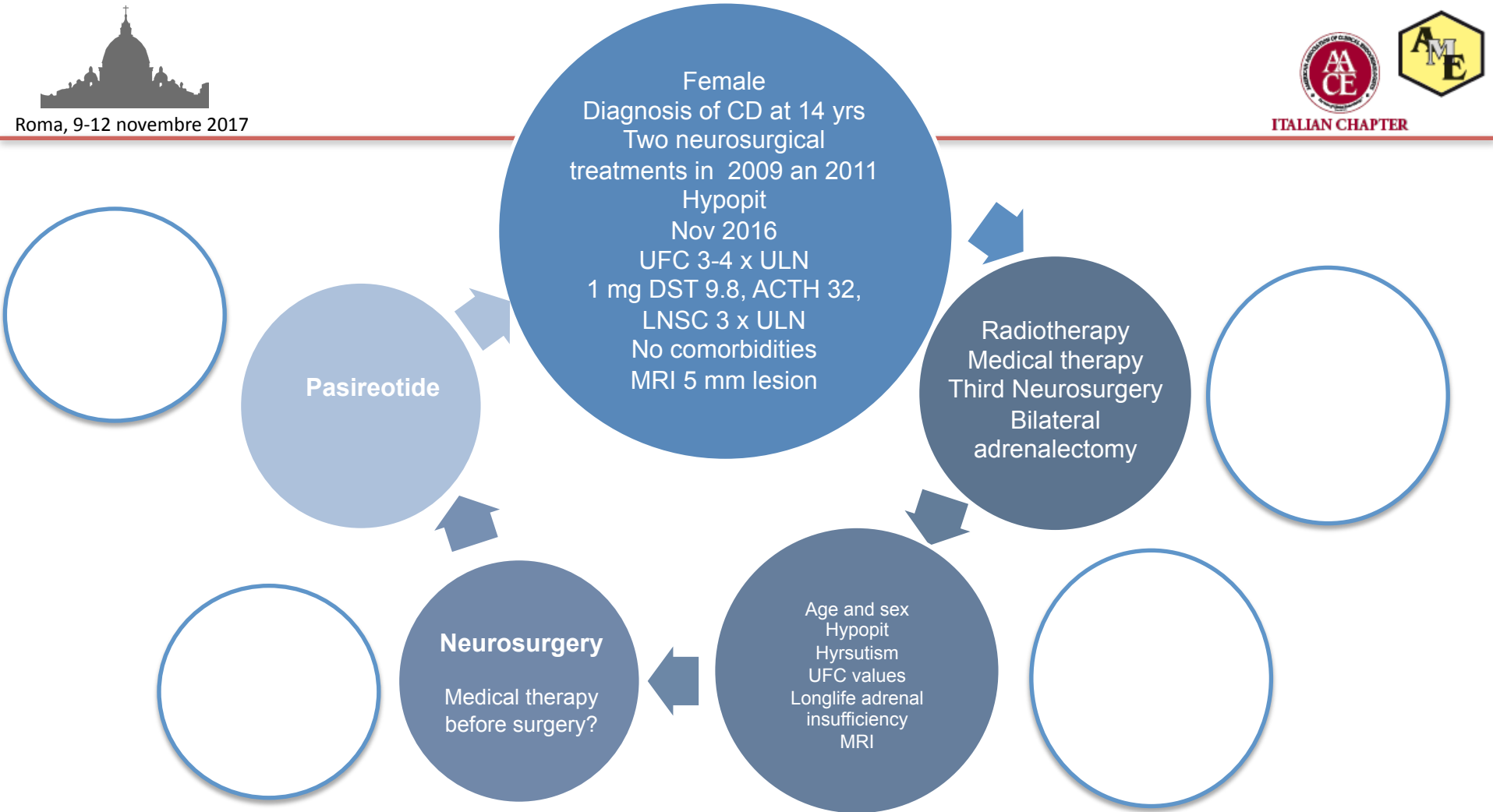
KETOCONAZOLE  
LIVER ENZYMES

METYRAPONE

Medical  
therapy before  
surgery?

Age and sex  
Hirsutism  
UFC values  
Prolonged QT  
Interference with CYP3A4  
MRI

METYRAPONE  
KETOCONAZOLE





# ... to be continued



## Before surgery (Pasireotide 60 x 2)

- UFC 67 mcg/24h (nv <63)
- LNSC 328 ng/dl (nv <140)
- Morning serum cortisol 18.4 mcg/dl
- Glycemia 79 mg/dl

## After surgery (September 2017) → Cortisone acetate

- 15 days after surgery
  - Diabetes insipidus
  - Morning serum cortisol 7.7 mcg/dl
  - Glycemia 63 mg/dl
- 45 days after surgery
  - Morning serum cortisol 3.4 mcg/dl
  - Glycemia 75 mg/dl