RO

Clinical relevance of cardiac structure and function abnormalities in patients with Cushing's syndrome before and after cure.

<u>Toja PM</u>, <u>Branzi G</u>, <u>Ciambellotti F</u>, <u>Radaelli P</u>, <u>De Martin M</u>, <u>Lonati LM</u>, <u>Scacchi M</u>, <u>Parati G</u>, <u>Cavagnini F</u>, <u>Pecori Giraldi F</u>.

Clin Endocrinol (Oxf) 2012, 76: 332-338

asting serum ansulm levels (micro-U/mL)

Dy	· - · - · · · · · · · · · · · · ·		· - · - \ · ·		
Diastolic blood viressure (mm Hg)	15 (\$15 3 <u>24</u> 0 526	14 (9 <u>80736)</u> 0 <u>219</u>	13.4 (7- 50)05	82.20.5	$< 0.05 \mathrm{N}_{5}^{\$}$
Fastangoblood gallanger (mm)	7 97-M-68-411-491	2 97 (19/15/27) 1:0	2 7/ (1 62:53.5)	0.0 + 0.0	NS
Serum triglycerides levels (mg/dL)	0.513000 11198	0.44 (10776 6 7.76 6 7.77	0.3 (0.07 (48)	120_{0}	NS NS
Total blood cholester of the vels may dL)	5421134.2134110.8	66 (175.512) 9.4	35 (14 <0.05	1890505 8.9° · · ·	NS NB
CUBLINES Syndores 1980 1880 Cia	1.61(6538=4648) ata <i>dis</i> 0####813an i	incre 35 6 7 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.09 (0.36_8136) for ability ma	alities of car	diacophass,
CHBLISTOR STEPHEN CONTROL OF THE CON			1.7 (0.8 9.20)	31144 TO THE STATE OF THE STATE	uia6.051/233,
William time (%) joes (minolatter)	not3f4#lt/Prisa	nnear afferren	niseron (1901	3.5 N ± 0.2	< 0.05
ProtRightbine time (%) des (mmol/liter)	1100004-240021	TU (Pata \$)0314	0.8 (0.4=13.99)01	103.5% 2.0 0.2	NS < 0.05
Activated partial thromboplastine time (s)	1.013+0.027	0.96 671 9 <u>+1</u> 60 11 2	0.89 ± 0.001 $136 (70 - 1197)$	27.9 ± ±.0.4	NS NS
Activated partial thromboplastine time (s) Plasma fibring of devels (singlet).	13 3508 ±± 32.7	135 262 0 1 45 14.6	120 (90 (0,01)	280,40 ± 18,4	< 0.05 $_{ m NS}$
Serum lipoproteins levels (mg/dL) Plasaston Deale (mg/dL) Plasaston Deale (mg/dL)	7 0.6333 1±750	77.5 7.09 00 0 10.2	70 (59 <0.05	147050 3.7.0	NS _{NS}
Plasma ACTH levels (mg/L)	25.235.9 1 6.1	29.6 (23.43 ³ 49.26 46 ⁴ 2.3 ₂ ⁴ 5.6	25.4 (19 13) 5 50 ± 12	33.4 5.0	NS
Sering corusor reservables (1987)	144 8++211.5	195±±110.9	560000	15625 1046	NS < 0.05
Urinarit cortisol levels (µg/24 h)	3 99 3 1 ++2 8 2 5	1 95 85±±1779	< NS 01	120245.9 9.5 1.9	NS < 0.05
A Fastite serility is selficle vels (Onic to FU/in)	not ₹ 2i1 ₹28isa	opear 192te3 I ren	nissio 6.02	18.7 ± 4.2	NS
WHA Right Wenopause (%)	$\frac{26.9 \pm 3.5}{1}$	38.0 ± 1.9	2⊴0.005	$\frac{34.5 \pm 2.0}{2.00}$	<0.05
Cushffg's symalrome is associa	ate <u>5</u> 4/347-18378 an	DCr038.21 ₹ 219 CK	or 30x02020	aliti@ <u>3</u> 150# 5′0 r	diac F928s.)

REVIEW

MANAGEMENT OF ENDOCRINE DISEASE

The burden of Cushing's disease: clinical and health-related quality of life aspects

R A Feelders, S J Pulgar 1 , A Kempel 2 and A M Pereira 3

Table 2 Comorbidities, prevalence at diagnosis, and reversibility in patients with CD.

dità	Morbidity	Prevalence at diagnosis	Reversibility
comorbidi	Hypercoagulopathy/hemostatic abnormalities	Hemostatic abnormalities (53.6%) (53) Vascular morbidity (10%) (49) VTE (incidence 2.5–3.1 per 1000 persons per year) (57)	Adequate prophylaxis with anticoagulants can reverse the prothrombotic state and greatly reduce the risk of postoperative thromboembolic events (49)
altre	Kidney disease	Nephrolithiasis: 50% (116)	Prevalence in patients achieving remission 27% (116)
MAQ IF	Osteoporosis/compression fractures	Osteoporosis: 38–50% (6, 71) Fractures ^b : 15.8% (71)	Only partially reversible 2 years after normalization of cortisol levels (67)







Effect of 2 years of cortisol normalization on the impaired bone mass and turnover in adolescent and adult patients with Cushing's disease: a prospective study

Di Somma C, Pivonello R, Loche S, Faggiano A, Klain M, Salvatore M, Lombardi G, Colao A

Clin Endocrinol '03, 58: 302-308

Conclusions Bone impairment in childhood- and adulthood-onset Cushing's disease patients can be partly, but not completely, reversed 2 years after normalization of cortisol levels. Longer recovery times or additive therapeutic approaches are necessary to maximize peak bone mass in children and restore bone mass in adults with Cushing's disease





REVIEW

MANAGEMENT OF ENDOCRINE DISEASE

The burden of Cushing's disease: clinical and health-related quality of life aspects

R A Feelders, S J Pulgar¹, A Kempel² and A M Pereira³

Table 2 Comorbidities, prevalence at diagnosis, and reversibility in patients with CD.

Morbidity	Prevalence at diagnosis	Prevalence of MD at 3 months: 54%; at 6 months: 36%; at 12 months: 24% (5) About 70% of patients fully recovered from their depression (75)		
Major depression/psychopathology ^c	MDD/MD/MAD: 54–81% (10, 72, 73) Overall psychopathology: 67% (5) Atypical depression: 51.5% (5)			
Cognitive deficits/loss of brain volume	Subjective loss of brain volume: 86% (80	·		
		38 patients only) (80)		
Cognitive deficits/loss of brain volume	Subjective loss of brain volume: 86% (80	depression (75) Partially reversible (based on retrospective study in		
	Overall psychopathology: 67% (5) Atypical depression: 51.5% (5)	at 6 months: 36%; at 12 months: 24% (5) About 70% of patients fully recovered from their		
		OSPEDA		



Problemi da risolvere



- Deficit ipofisario
- Deficit ipofisario
- Imaging negativo
- Imaging negativo
- Reintervento terapeutico
- Reintervento terapeutico
- o Comorbidità
- Comorbidità





Rationale della terapia medica



- Conoscenza della malattia e dei danni indotti dallo ipercortisolismo
- e dei danni indotti dallo ipercortisolismo
- Inizio precoce del trattamento
- Inizio precoce del trattamento



Requisiti della terapia medica

- Riduzione del cortisolo (cut off ?)
- Riduzione del cortisolo (cut off ?)

- Evitare o limitare le complicanze dell'eccesso ormonale
- Evitare o limitare le complicanze dell'eccesso ormonale







Limiti della terapia medica

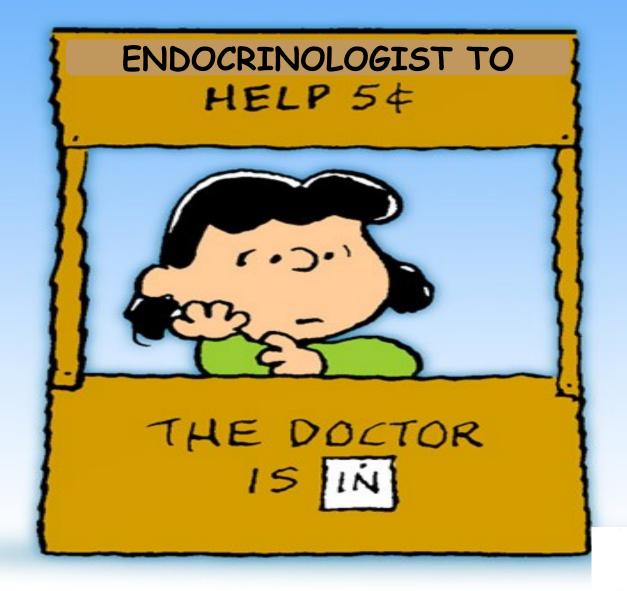
- Interferenze farmacologiche
- Interferenze farmacologiche
- Scarse conoscenze degli effetti a lungo termine
- O Scarse conoscenze degli effetti a lungo termine







In quali casi iniziare il trattamento medico?







Revisione della letteratura

medical treatment has historically or more recently gained a significant space, in CD, medical treatment is traditionally thought to have a marginal role. Nevertheless, there are numerous circumstances in which medical treatment of CD may be indicated.

Tatiana Mancini¹
Teresa Porcelli²
Andrea Giustina²

Therapeutics and Clinical Risk Management 2010:6 505-516





Advances in Medical Therapies for Cushing's Syndrome

Tritos NA

Discover Med '12, 13: 171-179

Fallimento terapia chirurgica

- o In attesa dell'effetto della radioterapia
 - Modalità palliativa nel carcinoma metastatico
 - Prima della chirurgia





Published online: September 10, 2010

Medical Treatment of Cushing's Syndrome: Adrenal-Blocking Drugs and Ketaconazole

Richard A. Feelders Leo J. Hofland Wouter W. de Herder

Controindicazioni alla chirurgia

Controindicazioni alla chirurgia







REVIEW

THERAPY IN ENDOCRINE DISEASE

Etomidate in the management of hypercortisolaemia in Cushing's syndrome: a review

Veronica A Preda^{1,2}, Jonathan Sen¹, Niki Karavitaki¹ and Ashley B Grossman¹

Ipercortisolismo severo

- Ipercortisolismo severo
- Compromissione sistemica importante

Compromissione sistemica importante







Advances in Medical Therapies for Cushing's Syndrome

Tritos NA

Discover Med '12, 13: 171-179

Ipercortisolismo occulto

Ipercortisolismo occulto









Medical Treatment of Cushing's Syndrome: Glucocorticoid Receptor Antagonists and Mifepristone

Frederic Castinetti Bernard Conte-Devolx Thierry Brue

Riduzione comorbidità metaboliche e cardiovascolari

Neuroendocrinology 2010;92(suppl 1):125-130

DOI: 10.1159/000314224

Riduzione comorbidità metaboliche e cardiovascolari

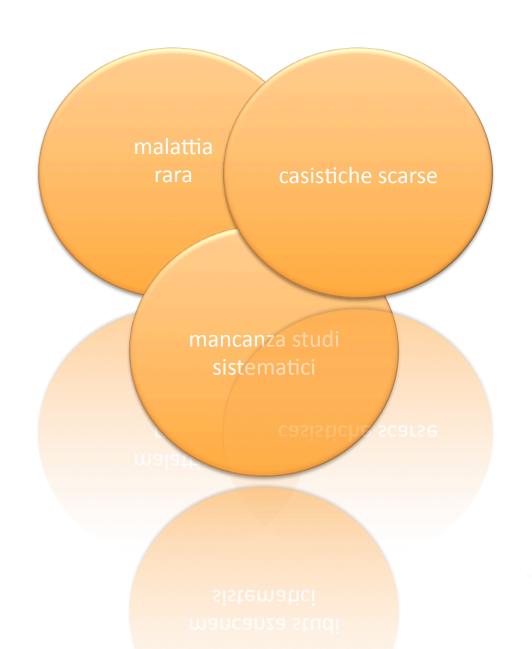






Comportamento terapeutico











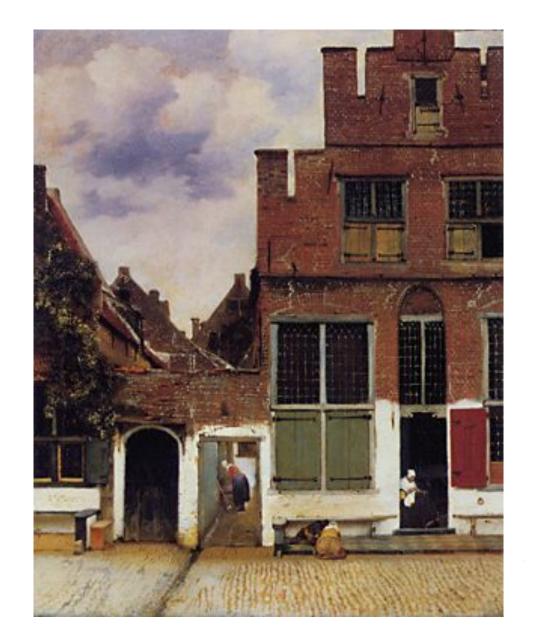
Identificazione di:







Problematiche aperte







- ✓ congruità di iniziare una terapia medica prima di quella chirurgica
- ✓ beneficio della terapia medica in pz con diagnosi incerta di sede
- ✓ indicazione al prosieguo della terapia medica in caso di successo
- ✓ interferenza con le comorbidità indotte dall'eccesso di steroidi circolanti
- ✓ interazione con altri farmaci somministrati per le complicanze





