

Maria, Giovanni e il pediatra

Buongiorno Professore, lei non si ricorda di me.

Io sono una "vecchia paziente", ho 36 anni e quando ne avevo sette lei mi vide perché bagnavo il letto di notte (quando mia madre la chiamò, un po' ignorantella, le disse che soffrivo di "uresine attorno").



Maria, Giovanni e il pediatra



Mi prescrisse il Tofranil per un mese: il problema si risolse... anche se lei aveva PARLATO DEI POSSIBILI EFFETTI COLLATERALI DEL FARMACO...ora ho il mio bambino Giovanni

di sei anni che ha lo stesso problema



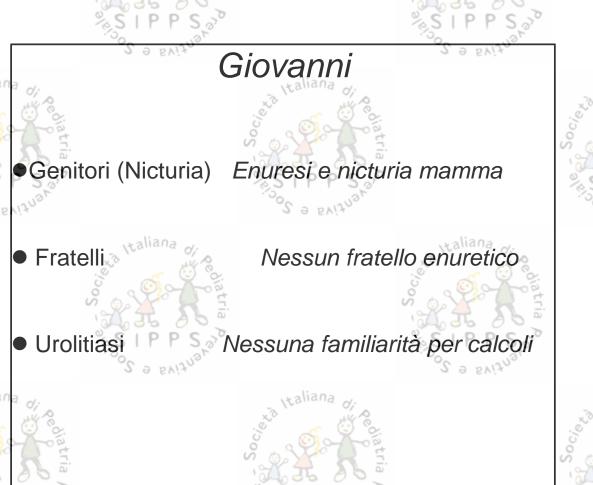








Anamnesi familiare





Scandina vian Journal of Urology and Nephrology, 2010; 44: 101-105

informa

ORIGINAL ARTICLE

Correlations between enuresis in children and nocturia in mothers

PAOLO MONTALDO, LUCIA TAFURO, VALERIA NARCISO, ANDREA APICELLA, LUIGIA RITA IERVOLINO & ROBERTO DEL GADO

Department of Pediatrics, Second University of Naples, Naples, Italy

Abstract

Objective. To demonstrate a relationship between enuresis and nocturia. Material and methods. The study investigated 250 mothers (average age 34.6 ± 3.3 years) whose children attended the Department of Pediatrics of the Second University of Naples because they suffered from enuresis. Data were collected by self-reported questionnaire and personal interview. All women provided written informed consent with guarantees of confidentiality. Both the presence of nocturia in adulthood and enuresis in childhood were taken into account. Result. The overall prevalence of nocturia was 38% (n = 95). There was a history of childhood bedwetting in eight mothers (5%) without nocturia and in 6) mothers (65%) with nocturia; the difference was significant ($\chi^2 p < 0.01$). Moreover, among the 110 enuretic children of nocturic mothers, 69 (62%) suffered from nonomonymptomatic nocturial enuresis (NMME), and 34 (56%) of their mothers suffered from NMME in childhood. Nocturie mothers suffering from non-monosymptomatic enuresis during their childhood had offspring with a higher risk of developing non-monosymptomatic enuresis (odds ratio 4.3 95%, confidence interval 2.6-7.1, p < 0.01). Conclusions. These findings enabled a close connection between nocturia in adulthood and enuresis in childhood to be hypothesized. Furthermore, this analysis provided evidence of the link between suffering from nocturia, and previously from enuresis, and having children affected by enuresis.

Key Words: Enuresis, family linhage, nocturia

Introduction

Enuresis is one of the most common childhood problems and represents an important chapter because of its physiopathological implications in adulthood and its social impact. Primary nocturnal enuresis (PNE) is a common condition that affects around 6–10% of 7-year-olds [1] and, for a small percentage of children, it persists into adolescence [2]. The impact of this condition upon the patient is significant and includes low self-esteem, family conflicts, embarrassment and reduced performance at school. Classical linkage studies have been carried out on a highly select subgroup of multigenerational families. Four loci associated with nocturnal enuresis have been identified on chromosomes 8, 13, 22 and 12 [3, 4]. PNE is a

heterogeneous condition for which various causative factors have been hypothesized.

The International Continence Society defines nocturia as "waking at night to void". The definition covers any number of voids, providing that the person awakens before voiding [5]. It is difficult to estimate precisely the prevalence of nocturia, because epidemiological studies have different definitions of the condition. In a national survey conducted by telephone, in 5.204 community-based adults, 31% reported at least one void per night and 14.2% reported at least two voids per night [6]. Nocturia and enuresis share important common pathophysiological factors. It is now agreed that noether turnal polyutia, detrusor overactivity and low bladder capacity are, in various combinations, central to their pathogenesis.

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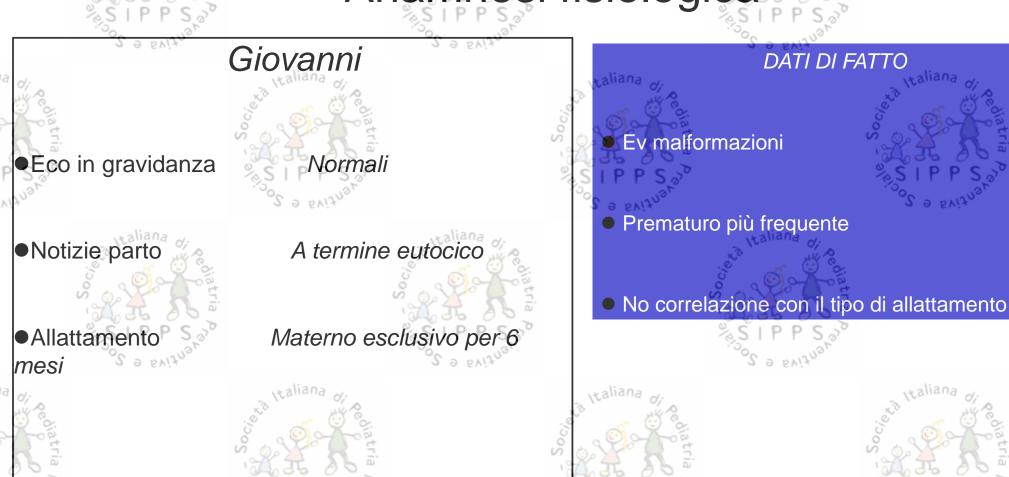
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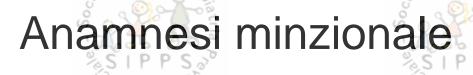
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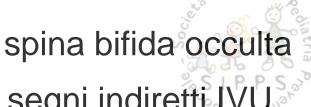




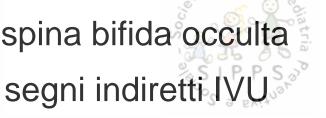
oc 2 2112/18.	oc 2 21120s.
Giovanni	G 6 64.1
Acquisizione continenza urinaria diurna ?	Dopo 4aa e mezzo
Acquisizione continenza urinaria notturna?	No %
●Quante notti bagna? ● Bagna le mutandine di giorno?	Tutte le notti(da sempre)
S & SNITUSE	SON S ENIZUAL
●Minzioni al giorno?	5-7 x ³ 1 ^{4,8}

















●Es urine

PA



Ev malformazioni(piedi...)

















Giovanni ha un'enuresi notturna primaria monosintomatica, ma..... ci sono Antonio,

Luigi, Annamaria.... che hanno un'enuresi notturna primaria non-monosintomatica.

one ancora Luigi Francesco che hanno un'enuresi nottui

Ci sono ancora Luigi, Francesco che hanno un'enuresi notturna secondaria che può essere mono o non- mono





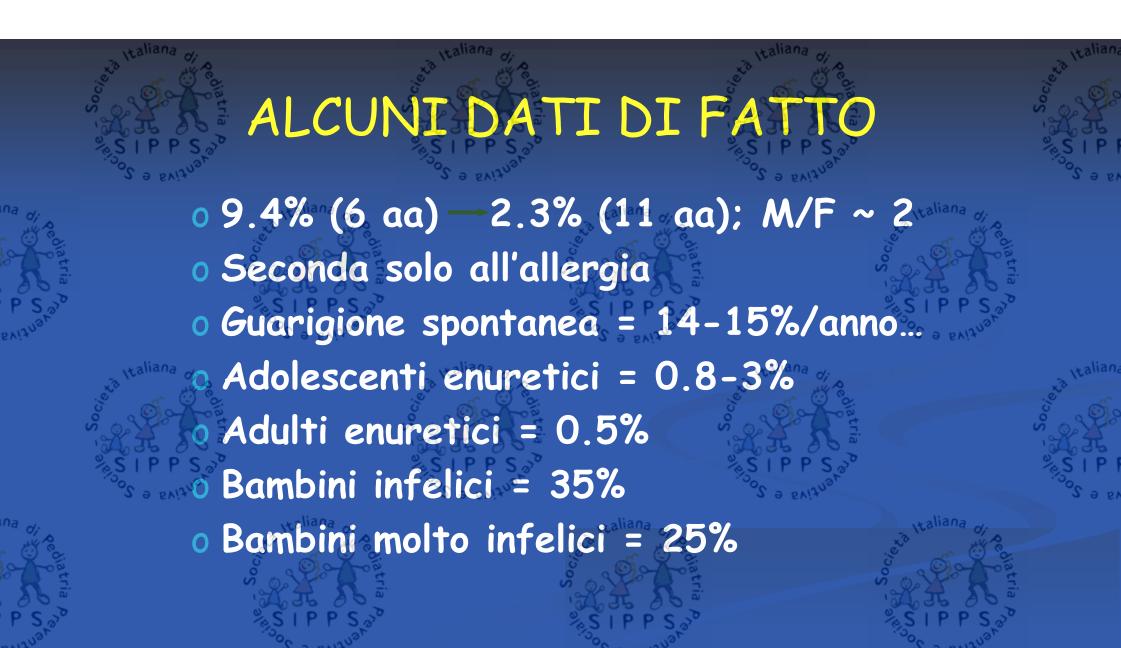




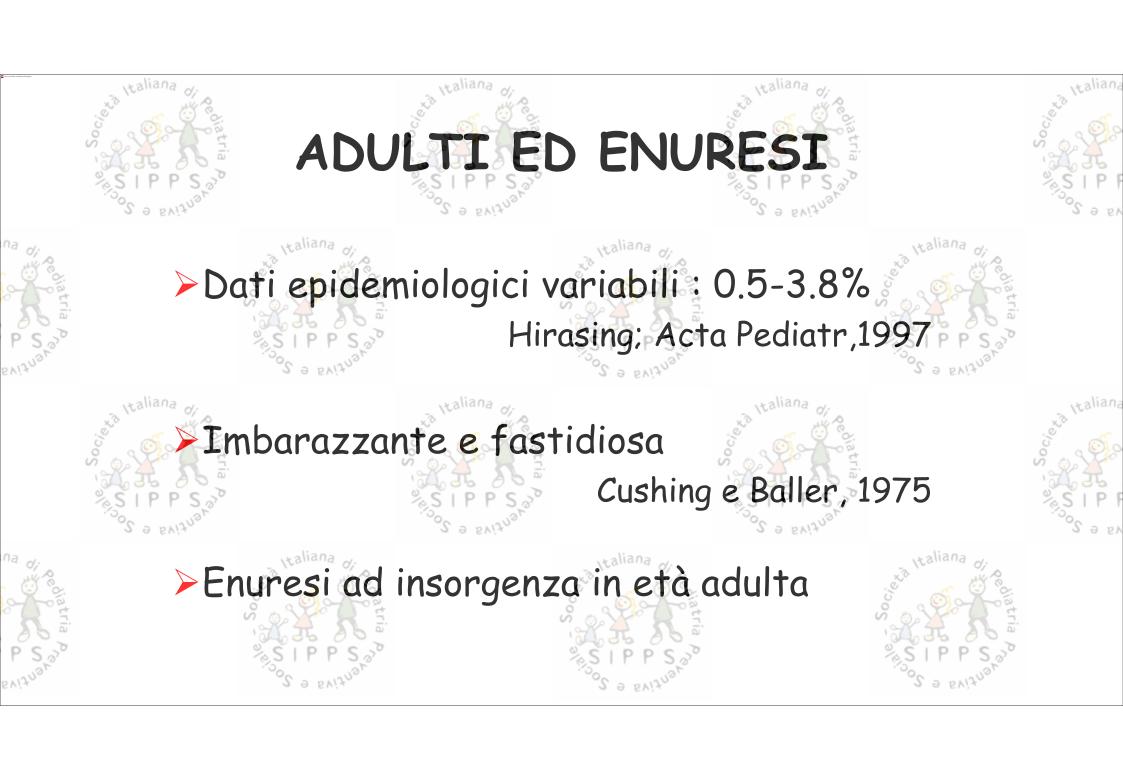


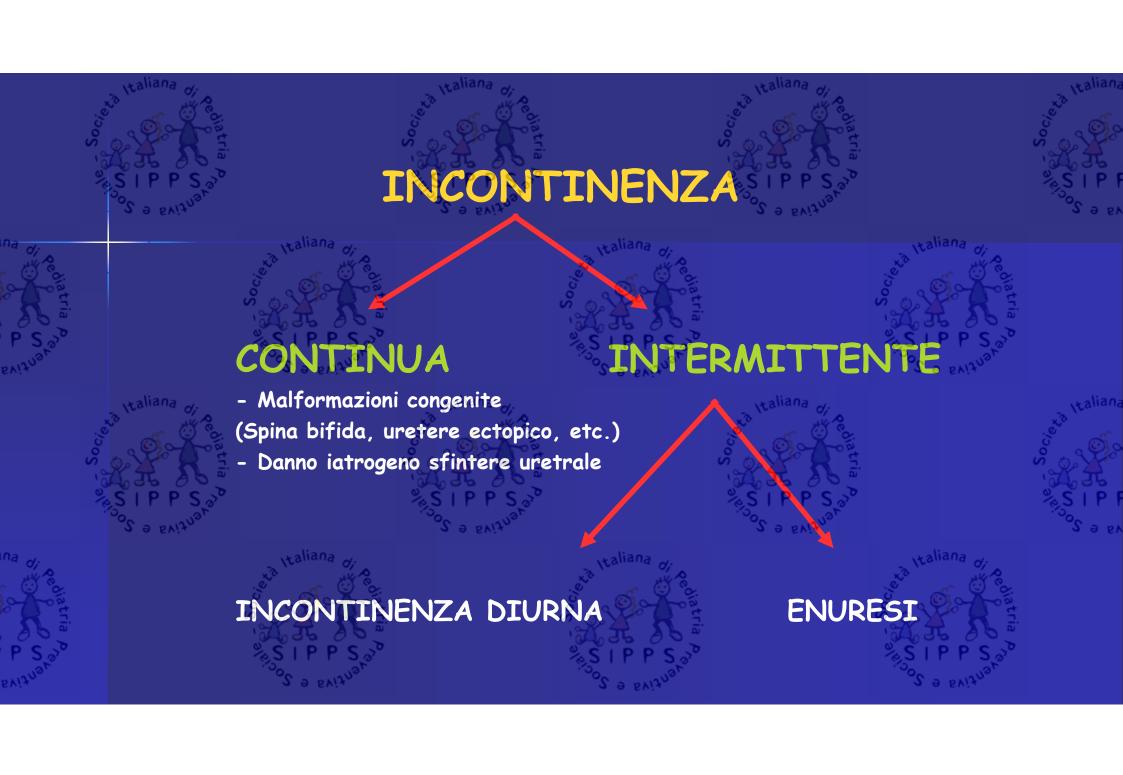
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P Salatria o	Society	ENURESI NO	ON-MONOSINTOMAT		getto esitante* Jetto filiforme* Jetto forzato* Jetto interrotto	*	taliana o	notte e	S & Caliana
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	*AUMENTATA FREQUENZA MINZIONALE	≥ 8 minzioni/die	Salahana Salahana Salahana Salahana
na d:	*DIMINUITA FREQUENZA MINZIONALE	< 3 minzioni/die	
e diatria	*URGENZA	Improvviso, impellente e improcrastinabile stimolo a	
PS	SIPPS	SIPPS, SI	
BVijo	*INCONTINENZA DA URGENZA	incontinenza in quei pazienti che avvertono urgenza. Può manifestarsi solo con mutandine bagnate oppure con perdite di urina oggettivabili	l'a-a
	*MANOVRE SOSTEGNO PIANO PERINEALE	manovre attivate per rimandare la minzione o contrastare l'urgenza (saltelli sulla punta dei piedi, incrocio forzato delle gambe, accovacciamento spesso con il calcagno premuto sul perineo)	Sex a taliana
	*GETTO ESITANTE	difficoltà nell'iniziare la minzione o lunga attesa prima di iniziare la minzione.	SIPP
P S	*GETTO FILIFORME *GETTO FORZATO P S S	mitto emesso con poca forza minzione iniziata o mantenuta utilizzando il torchio addominale	
BVIJUSK	OS 9 EVIZUAL	S 9 EVIJUSE SO S 9 EVIJUSE	















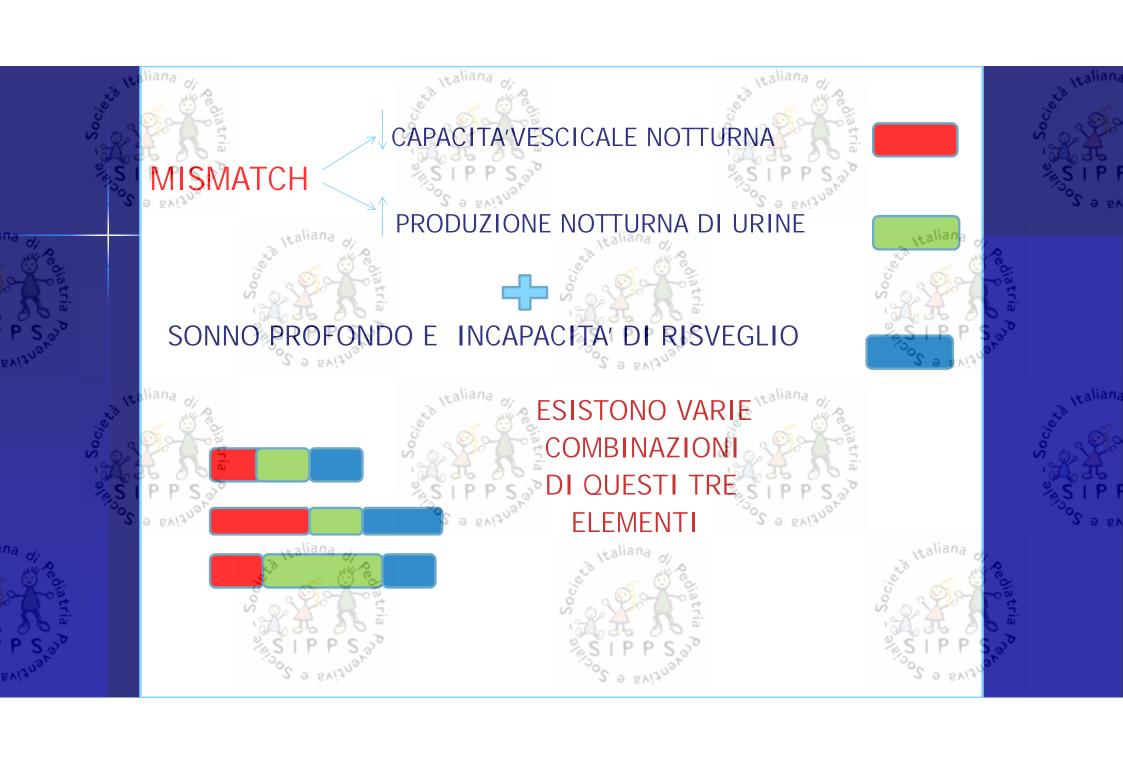
- Monosintomatica
- Poliuria
- Profilo adh notturno
- ...e la vescica?

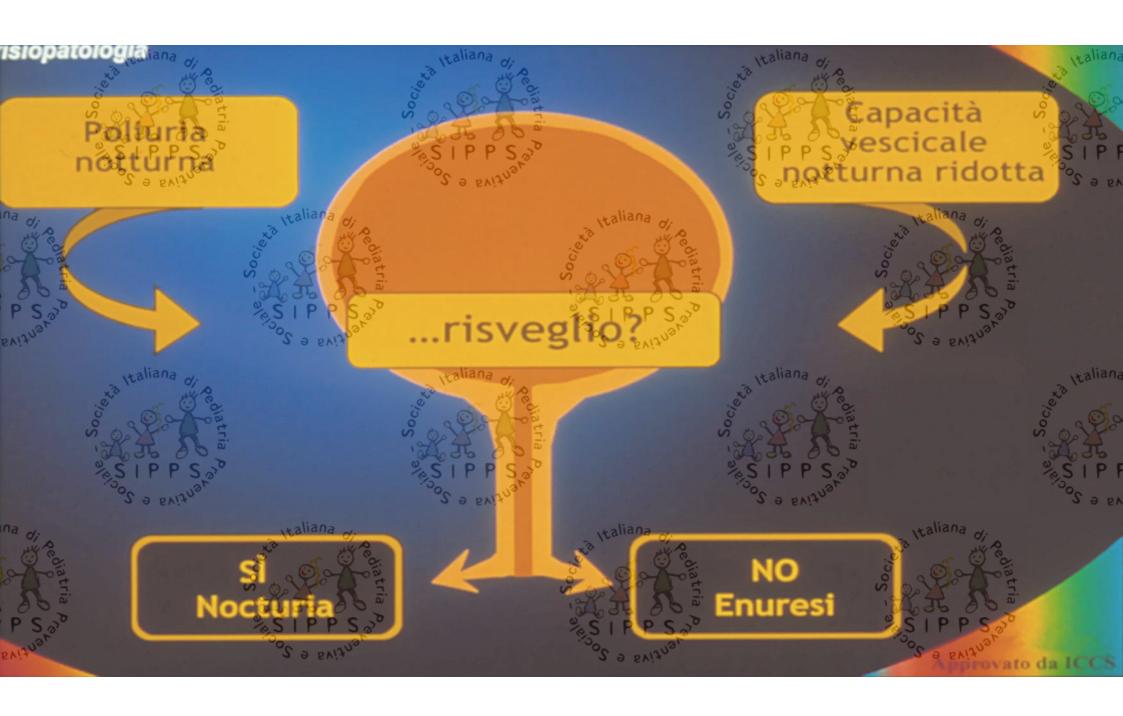
- Non monosintomatica
- Iperattività vescicale(ns lavoro)
- Eco
- •....e la poliuria?



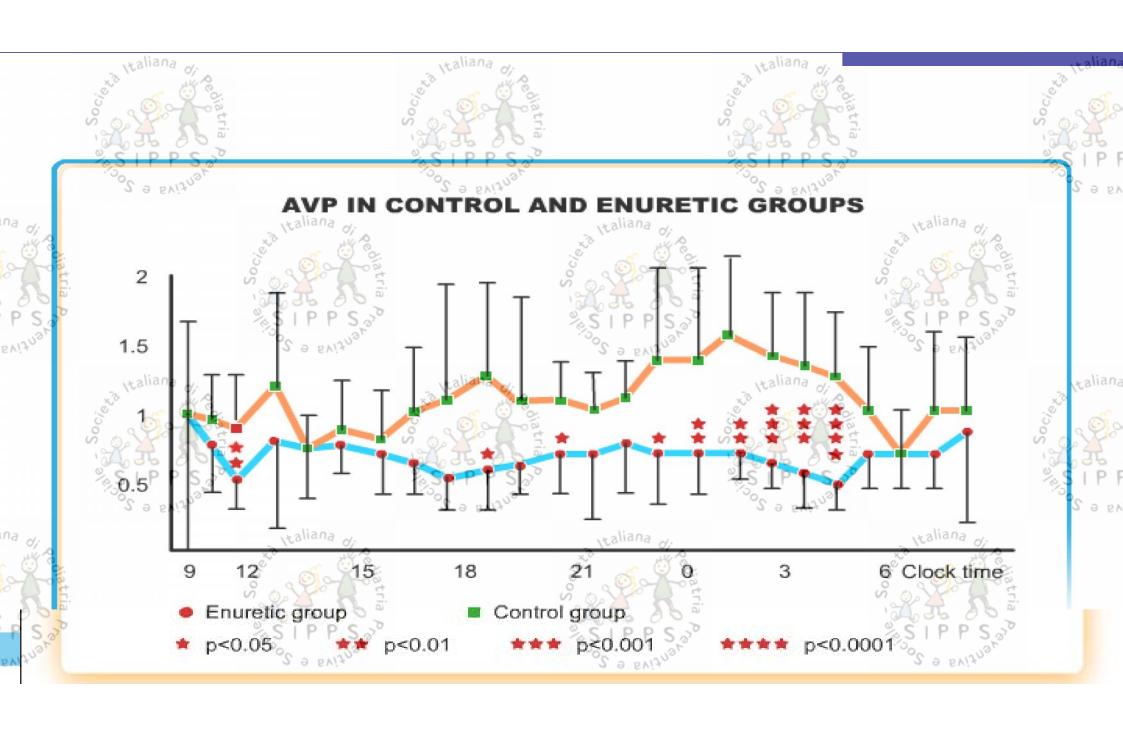




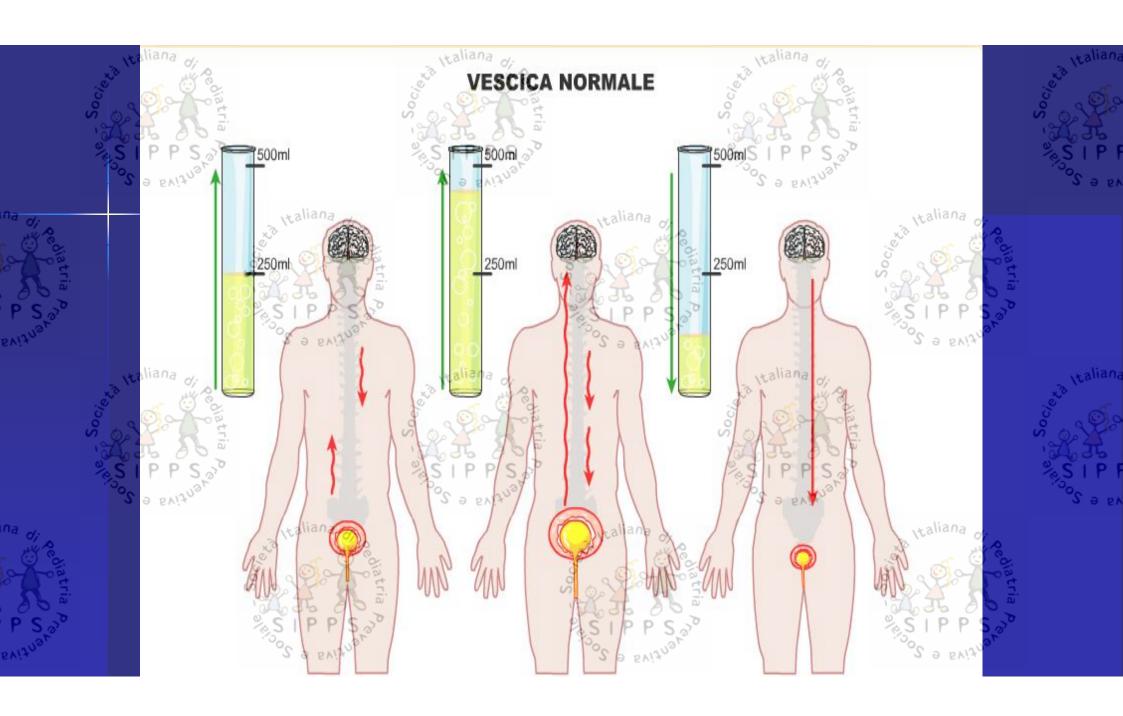


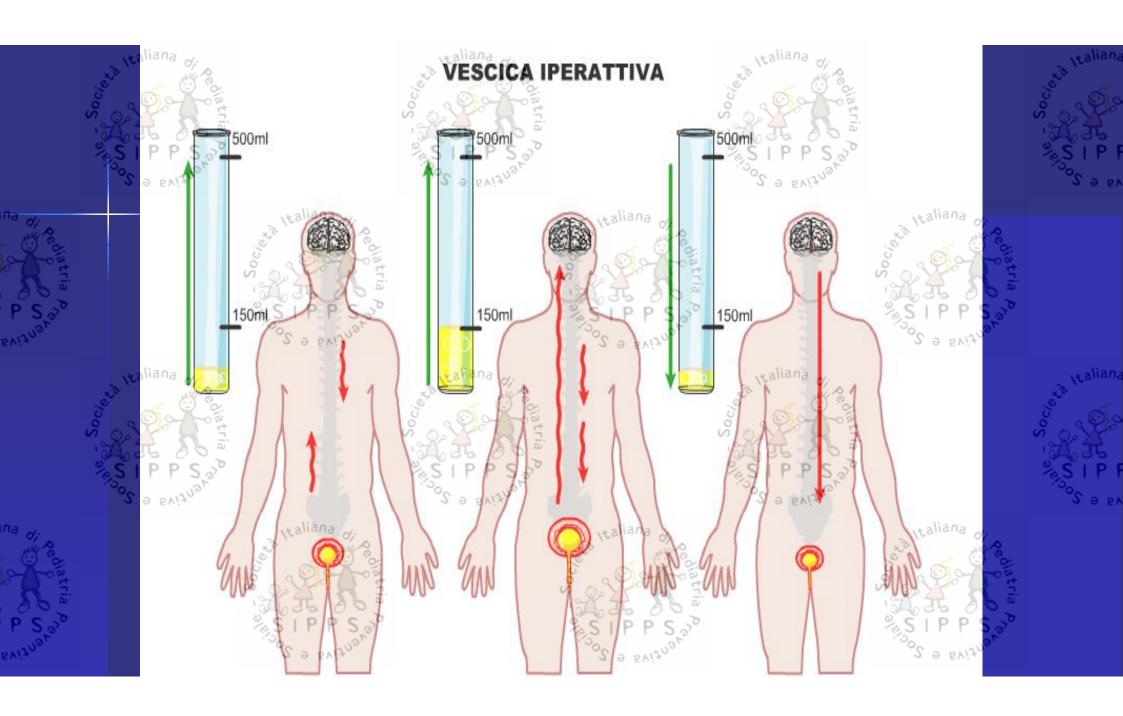


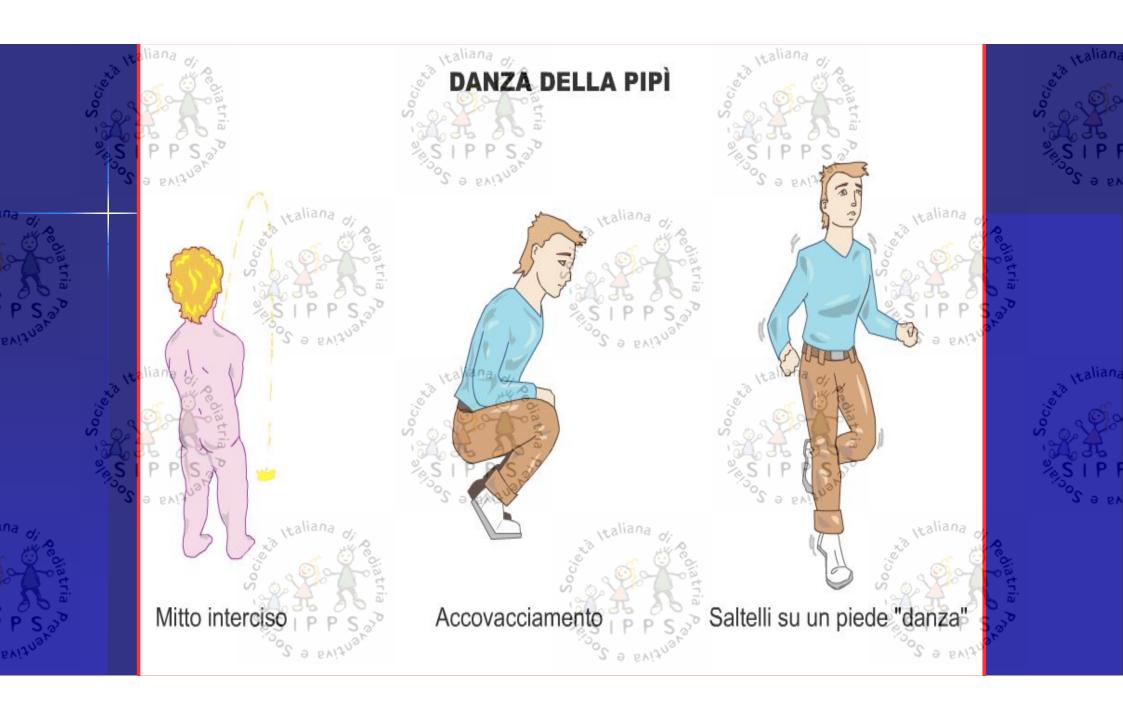












MASSIMO VOLUME VUOTATO (c.v.) (età + 1) x 30 ml

Età: 7 anni CV attesa 240ml				
Orario	Volume (ml)	Urgenza	Mutandine bagnate	
6.30	calia80 ml	no	no _{stali}	
9.35	70 ml	si	un po'	
14.00	75 ml	si	no	
16.00	1 P70 ml	si	Si	
19.20	60 ml	no	no	
22.45	70 ml	No no	% no	
notte	peso pant	patria		
100	tara panno	o= 50 g	70	

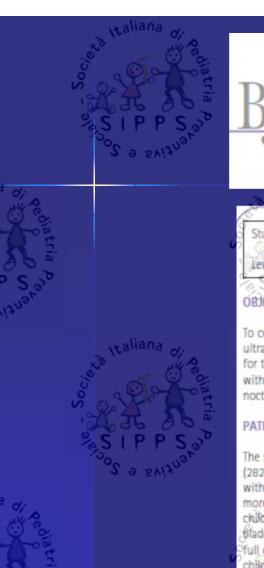
Formula valida fino a 12 anni

> 12 anni il V.V. atteso è stimato intorno ai 390 ml

V.V. ridotto se < 70% di quella atteso







Ultrasonographic bladder measurements can replace urodynamic study for the diagnosis of non-monosymptomatic nocturnal enuresis

Lucia Tafuro, Paolo Montaldo, Luigia Rita Iervolino, Fabrizio Cioce* and Roberto Del Gado

Study Type Diagnostic (exploratory Level of Evidence 2b

To compare urodynamic (UD) and ultrasonography (US)-based measurements an US measurement, i.e. a bladder wall with a for the diagnosis and follow-up of patients with non-monosymptomatic primary nocturnal enuresis (NMPNE).

PATIENTS AND METHODS

The study included 455 enuretic children (282 boys and 173 girls, mean age 9.58 years) 2/applied to 453 patients with NMPNE. After with daytime voiding symptoms and with more than one void per night. In healthy children the upper limits for US-measured sladder wall thickness are 3 and 5 mm for a full or empty bladder, respectively. In 419 children the results showed urodynamic sions of an overactive bladder (OAB) and the

US-measured bladder wall was thickened After 6 months of antimuscarinic treatments we re-assessed the children with US and UD; the relation between UD and US measurements was confirmed. After analysing these data, we considered the use of a new diagnostic assessment for patients with NMPNE. In children with a significant thickness of > 3 mm (full bladder) and > 5 mm (empty bladder), the diagnostic assessment was concluded and therapy was started. We restricted the UD examination exclusively to those patients who either had severe intractable symptoms or did not respond to treatment. This new management was the first 6 months of therapy all the patients were assessed with a newallSistady

RESULTS

In all, 343 patients (75,7%) were ful responders, with a normal bladder wal thickness; 82 (18.1%) were partial responders but with no normalization of bladder wall thickness; only 28 (6.2%) Were classified as nonresponders with a persistent thickened bladder wall.

CONCLUSIONS

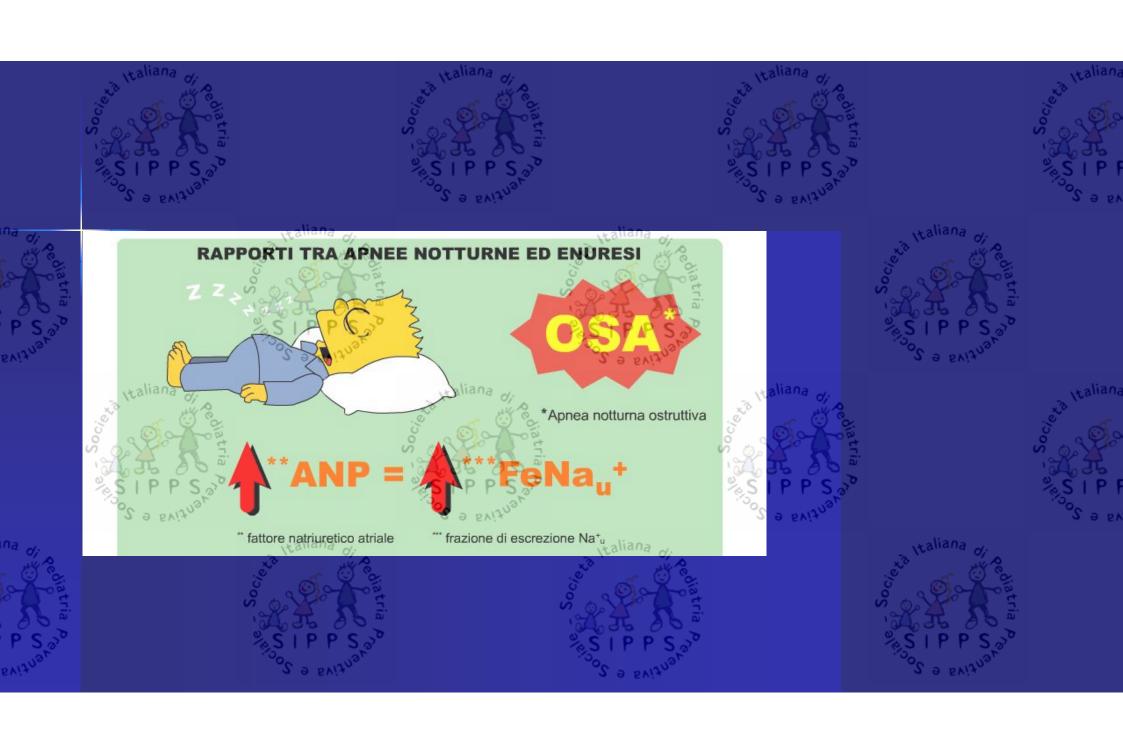
We favour a more conservative management; the UD study should be limited to the very few patients who either have severe intractable symptoms or do not respond to treatment. In our experience, the US study, which is not invasive, is useful for the diagnosis and follow-up of NMPNE and it is preferable to the UD study, which is invasive and often traumatic for children.

KEYWORDS

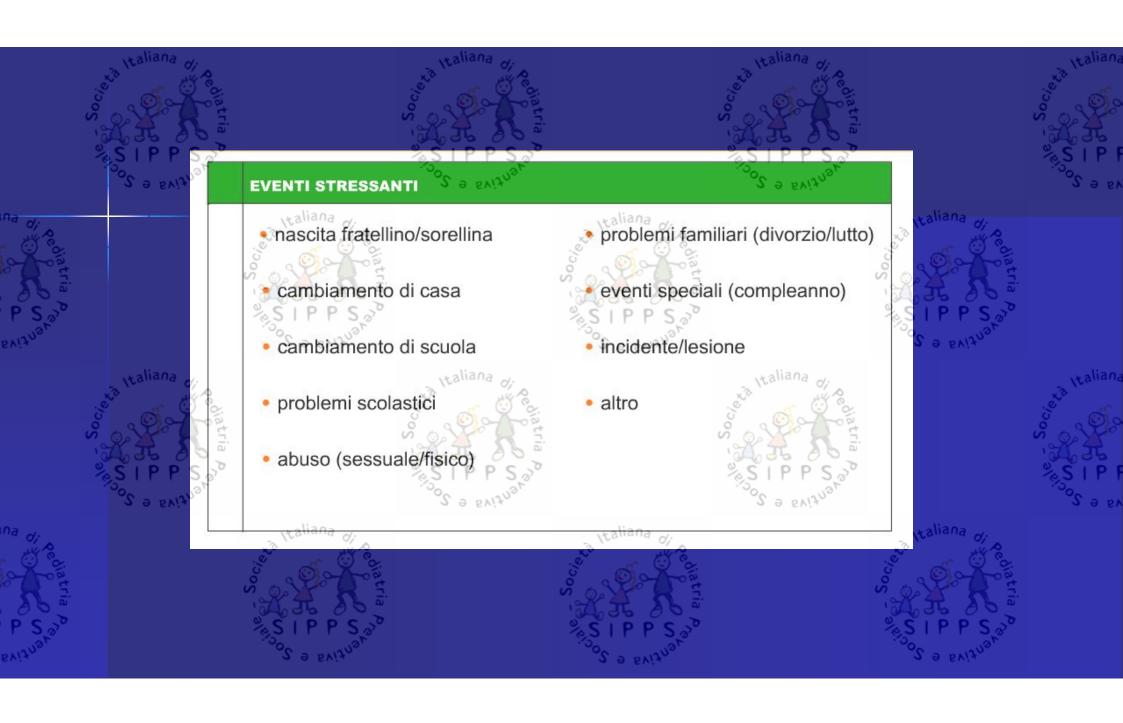
enuresis, voiding dysfunctions, ultrasound urodynamic





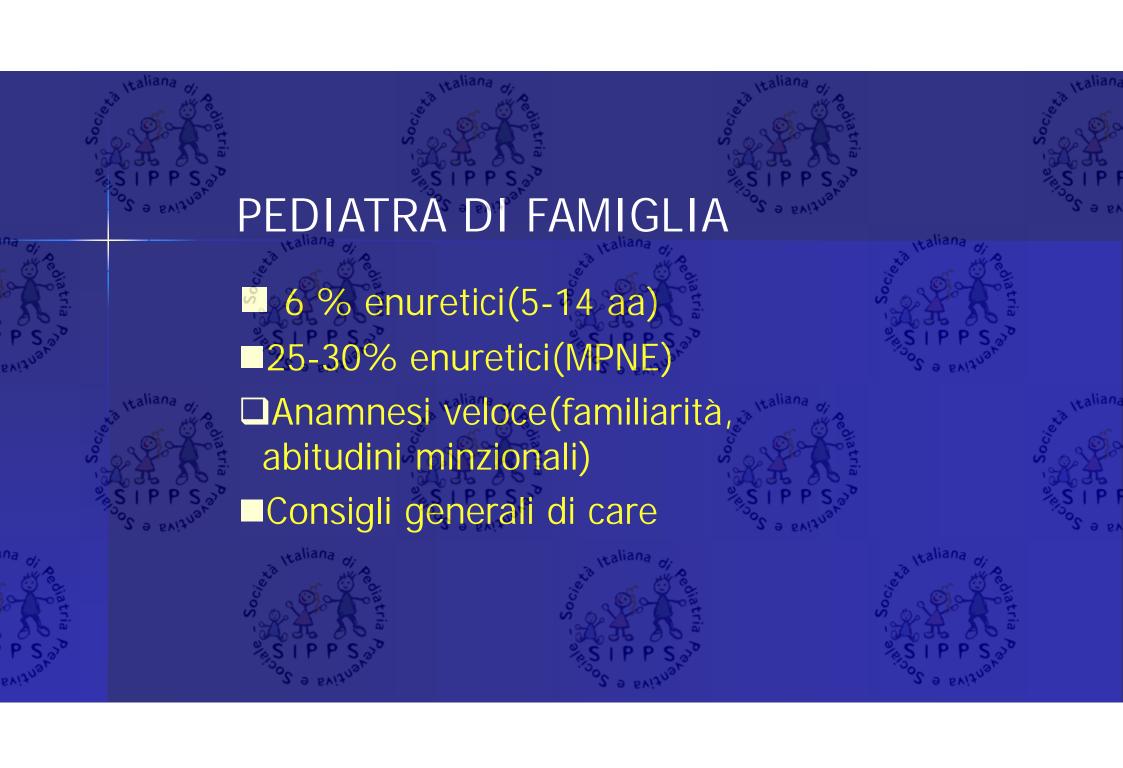


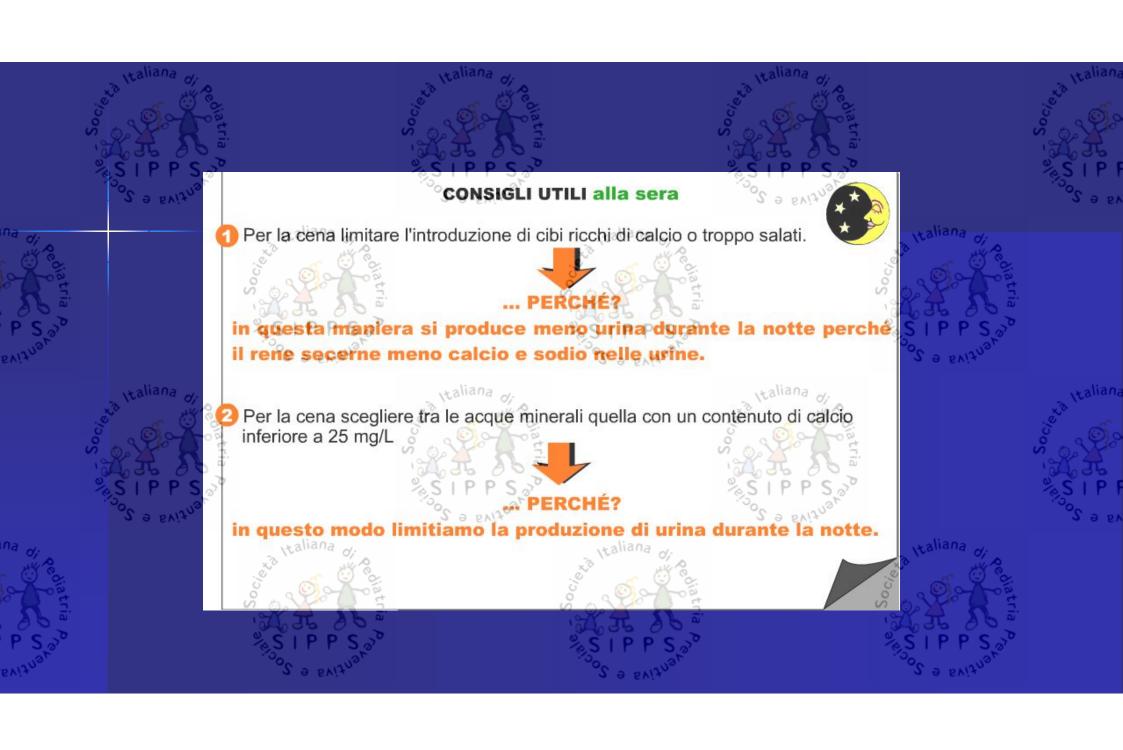














Scandinavian Journal of Urology and Nephrology, 2005; 39: 308-312

Tay on & Francis

ORIGINAL ARTICLE

Desmopressin is a safe drug for the treatment of enuresis

ROBERTO DEL GADO, DONATELLA DEL GAIZO, MARINA CENNAMO, ROBERTA AURIEMMA, GABRIELLA DEL GADO & MARIATERESA VERNI

severe side-effects verified. Conclusion. Desmopressin is a safe drug with a low incidence of side-effects.

From the Department of Pediatrics, Second University of Naples, Naples, Isaly

Abstract To verify the safety of desmopressin treatment and its associated side-effects in a large number of patients. Material and methods. The study was conducted in accordance with the guidelines of the Italian Club for Nocturnal Enuresis, whose criteria are: age >5 years; absence of mafor mations and infections of the urinary tract; absence of psychological disorders or neurological alterations; number of "wet nights" >5-7; control of liquid intake during the afternoon and evening; monitoring of serum electrolytes before beginning treatment; control of body weight before the beginning of treatment and during the first 4-5 days of the apy; and the informed consent of the parents. The therapeutic regimen provided for a maximum dose of desmopressin of 40 μg/day (four puffs/nostril or two tablets), starting from an initial dosage of 20 μg/day (two puffs/nostril or one tablet). In before going to bed. The study involved two groups of patients with monosymptomatic enuresis: some of them had been admin intered desmopressin in the form of a spray and others in the form of tablets. Results. A small percentage of patients presented mild, transient side-effects; in no case were

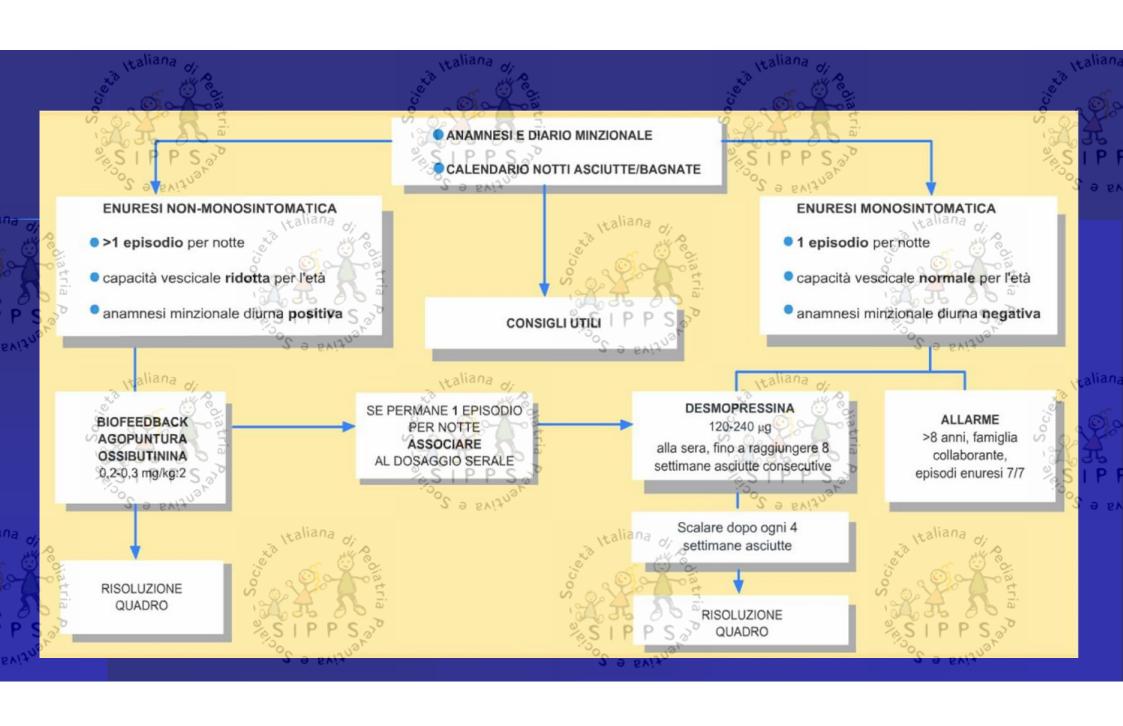
Key Words: Desmopressin, enuresis, side-effects

Nocturnal enuresis is a disorder that affects almost 10-15% of children aged >5 years and almost 2% of young people aged 12-18 years [1,2]. Two types of enuresis have been defined; primary enuresis, in which nocturnal continence is never acquired, and secondary enuresis, in which children wet their bed again after at least 6 months of continence [3,4]. According to the diumal and clinical framework, both primary and secondary entresis are defined as "monosymptomatic" if enuresis is the only symptom and as "symptomatic" if there is both nocturnal enuresis and day-time incontinence. Enuresis is defined as a transitory disorder, as most children acquire control of their sphincters by the age of 5-6 years [5]. However, the disorder persists beyond the age of 6 years in a significant proportion of subjects (≈10%) before decreasing in prevalence (2%) during the adolescent period, during which each subject should attain personal stability corresponding to a feeling of personal identity. The conscious aspects of this feeling of personal identity are self-image and

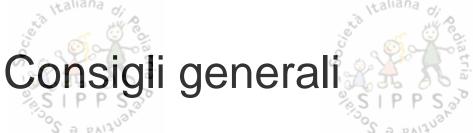
relationships with others. The persistence of enuresis in the teenager poses a strong risk of perception of the self-image and causes feelings of anger, shame and diversity from contemporaries; the teenager is dominated by a low level of self-esteem, by strong feelings of social inadequacy and anxiety and by sudden mood changes [6]. Also, the parents are often frustrated because of the limitations and ties imposed by their child's "illness"; this increases their anxiety, increasingly reducing the self-esteem of their child and leading to behavioral problems. These considerations underline the need for suitable treatments during childhood. Pharmacological therapy with desmopressin (DDAVP) assumes a fundamental role, while non-pharmacological therapy consists of a low intake of liquids during the evening and programmed urinations during the day [7]; behavioral therapy with a nocturnal alarm represents the final possibility. DDAVP has been widely prescribed and used for \$20 years due to its therapeutic success.

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DOI: 10.1080/00365590440018729









Acque minerali





Solo ultima minzione











Desmopressin and oxybutynin in monosymptomatic nocturnal enuresis: a randomized, double-blind, placebo-controlled trial and an assessment of predictive factors Paglo Montaldo, Lucia Tafuro, Monica Rea, Valeria Narciso, Azzurra C. Iossa and Roberto Del Gado Department of Pediatrics, Second University of Naples, Naples, Italy Accepted for publication 7 October 2011 Study Type - Therapy (case series) What's known on the subject? and What does the study add? Level of Evidence 4 The desmopressin analogue to antidiuretic vasopressin is an evidence-based therapy but conflicting results are provided regarding the initial dose of oral desmopressin. Previous studies report the use of a combined therapy with desmopressin and axybutynin to treat desmogressin-resistant monosymptomatic nocturnal enuresis. These studies show promising results, but they suffer from lack of randomization and lack of a placebo-controlled patient group and are of small sample size. In addition to To assess the efficacy of desmopressin. this, no predictive factors of response to the combined therapy have been considered. plus oxybutynin and compare two starting This study showed no significant difference between either a 120 µg or a 240 µg dosages of desmopressin (120 and 240 µg) desmopressin initial dose with regard to degree of response. The study is the first in a randomized, double-blinded, placeborandomized, double-blinded, placebo-controlled trial showing the efficacy of controlled trial for children with monosymptomatic nocturnal enuresis combination therapy with desmopressin plus oxybutynin for monosymptomatic nocturnal enursis. Furthermore, bladder volume and wall thickness index nocturnal (MNE) resistant to desmonressin. The predictive factors of children polyuria and wolding latency were assessed as predictive factors of response to the with MNE responsive to desmopressin and combination therapy were also evaluated. · As predictive factors, bladder volume CONCLUSIONS and wall thickness index, nocturnal . Our findings highlight that PATIENTS AND METHODS polyuria and voiding latency were considered anticholinergic agents may play an important role for a subset of children with Our sample included 206 patients aged b≱tween 6 and 13 (mean age 10.6 ± 2.9() enuresis who have a restricted bladder years), 117 males. All patients were capacity and thickened bladder wall. required to have MNE. Ultrasonography-measured bladder The patients were randomly divided into There was no significant difference variables can provide useful predictive two groups: the first group was given oral between the 120 µg and 240 µg patients clues for MNE. · Predictive factors can help to in terms of response. melt 120 µg and the second group 240 µg. The oxybutynin group showed a higher differentiate treatment subtypes and guide for 2 weeks. All patients who had experienced rate of full and partial responses (45% clinical management in primary noctumal taliana success) compared with the placebo group failure of treatment with sublingually enuresis. (17% success), P< 0.01. administered desmopressin alone were The responders to combined oxybutynin KEYWORDS given either desmopressin plus 5 mg oxybutynin or desmopressin plus placebo in and desmopressin had significantly lower a randomized, double-blinded trial for 4 bladder volume and wall thickness index desmopressin, nocturnal enuresis, than the other patients. oxybutynin INTERNATIONAL | doi:10.1171/j.1464-410X.3011.10918.a