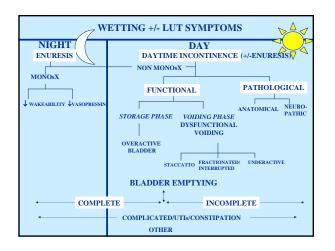


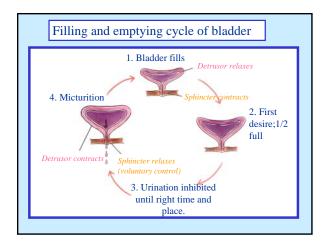
Enuresis and sickle cell disease

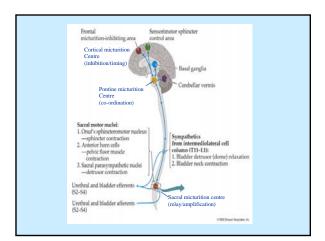


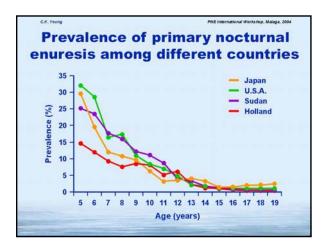
Dr. Anne Wright Evelina Children's Hospital Guy's and St Thomas' Hospital Trust London

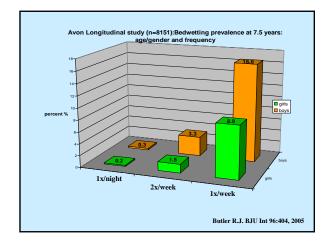
A scheme for thinking about wetting in children

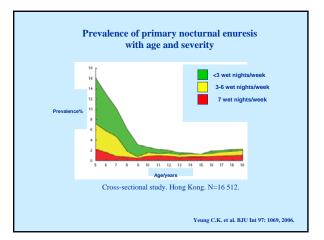


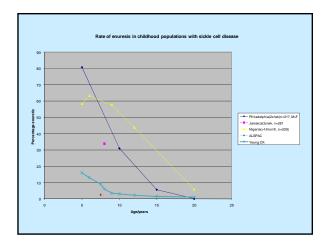


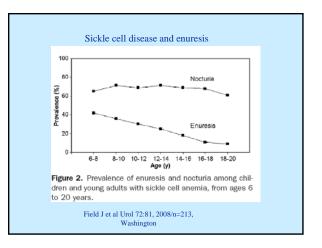


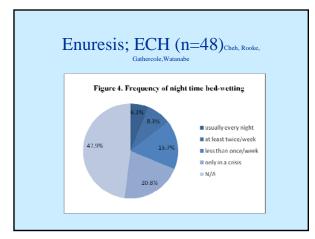


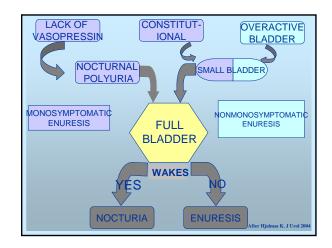


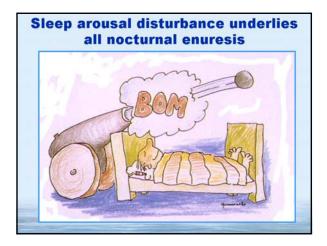


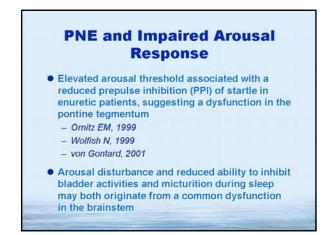






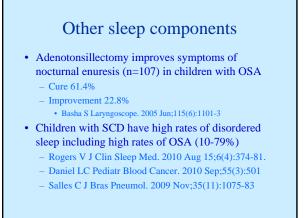






Other	sleep	components

	Enuretic N=270	Nonenuretic N=274	P
DIMS	14.92±4.25	11.31±3.51	<.00
SBD	8.0±3.32	4.2 ± 2.03	<.00
DA	6.43±3.05	3.91 ± 1.78	<.00
SWTD	14.63±4.36	9.3±3.55	<.00
DOES	10.36±3.45	8.02±3.33	<.00
SHY	5.16 ± 1.92	2.857 ± 1.53	<.00
fotal score	59.51±12.05	39.67±11.33	<.00

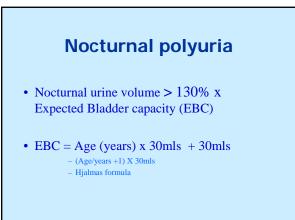


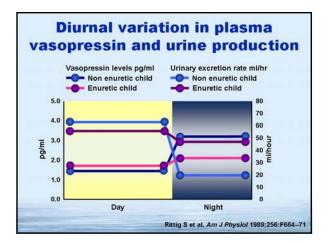
Mechanisms contd Mechanisms of action: alarms • In successful alarm treatment 2/3 achieve dryness whilst sleeping through the • Alarm is triggered when night urine comes into contact 1/3 have nocturia as a means of achieving with sensor dryness • Body-worn and bedside • Alarms increase systems - Nocturnal bladder capacity • Behavioural conditioning mostly based on reward - Daytime bladder capacity (operant) but also negative • Taneli C Scand J Urol Nephrol. 2004;38(3):207-10 effects (aversive) • Hvistendahl GM J Urol. 2004 Jun;171(6 Pt 2):2611 • Hansen AF Scand J Urol Nephrol Suppl. 1997;183:59-60

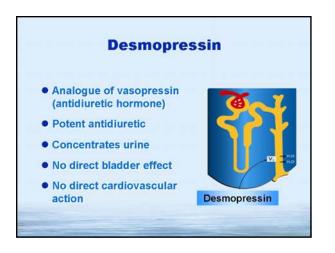
Do alarms work? Cochrane review

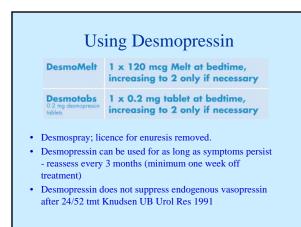
- Alarms are more effective than control in RCTs
- Two thirds of children become dry during alarm use
- One half remain dry after treatment

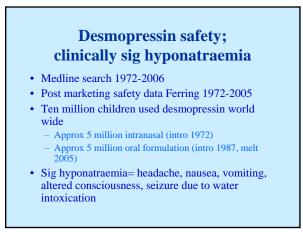
Glazener CMA. Cochrane Review, Feb 2003

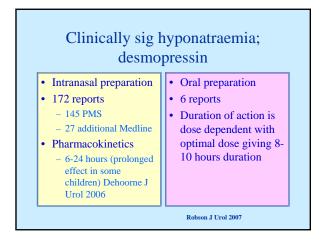




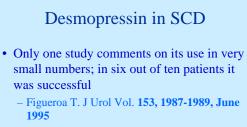












• No contraindication to it's use as long as child can adhere to fluid restriction limitations

Reduced nocturnal bladder capacity

- Small bladder (monosymptomatic)
- Overactive bladder (OAB/nonmonosymptomatic)
 - Daytime LUT symptoms in addition to enuresis
 - Nocturnal OAB

