

5th Congress of the European Academy of Neurology

Oslo, Norway, June 29 - July 2, 2019

Teaching Course 2

Treatment of adult and pediatric primary sleep disorders (Level 2)

Treatment of sleep-related movement and breathing disorders

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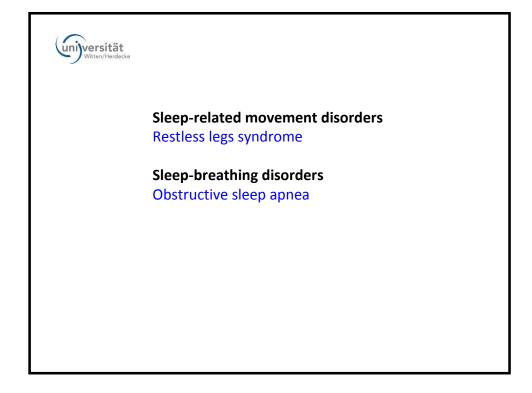


5th EAN congress Oslo, 29 June 2019 Teaching Course- Level 2

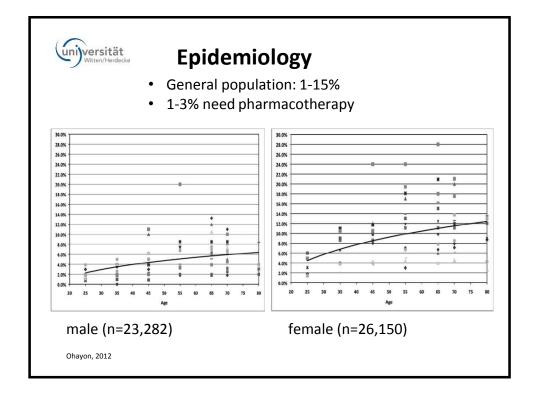
Treatment of sleep-related movement and breathing disorders

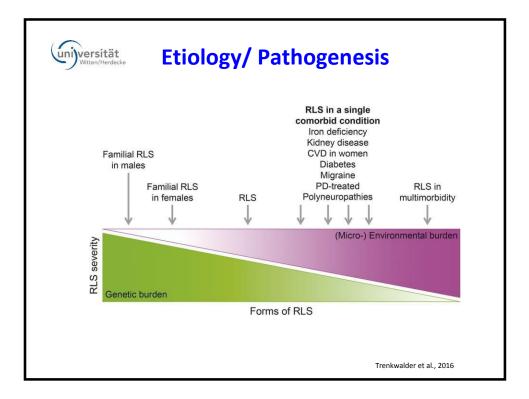
Ulf Kallweit Center for Narcolepsy & Hypersomnias University Witten/Herdecke

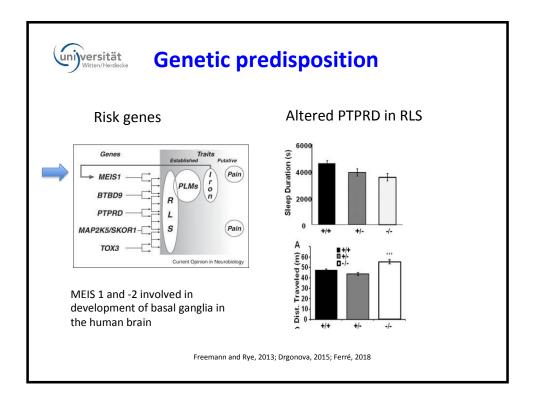
• No conflicts of interest

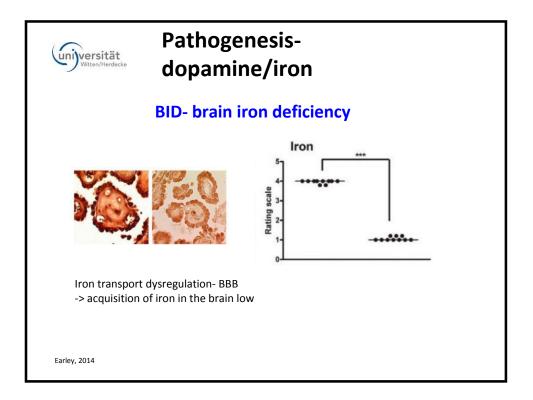


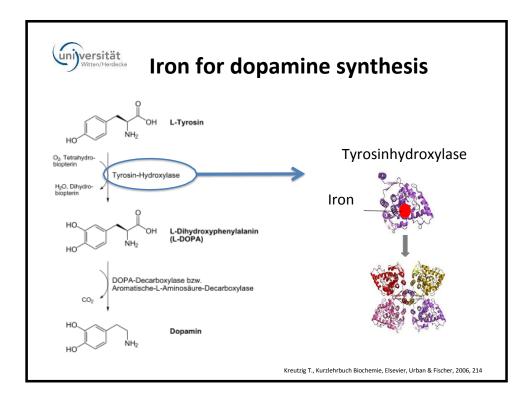


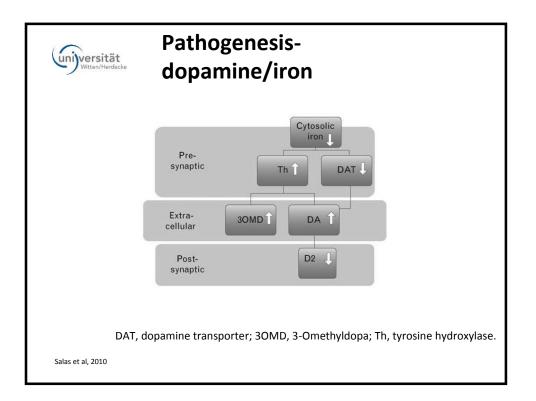


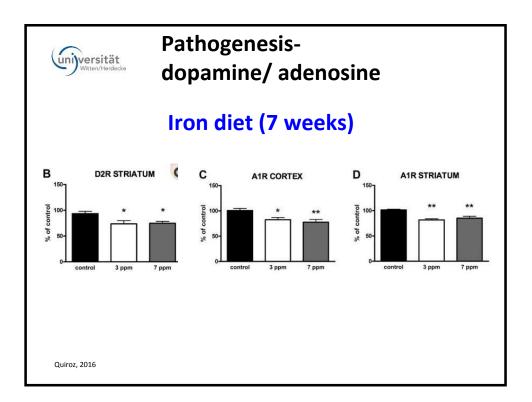


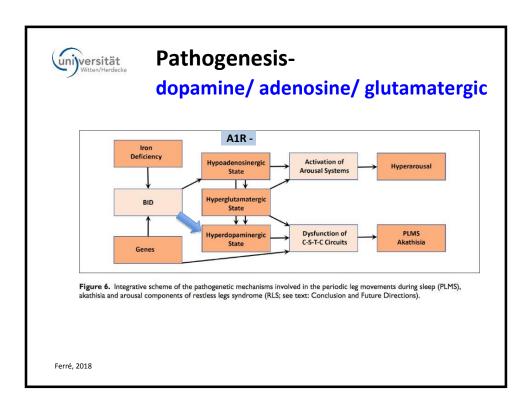


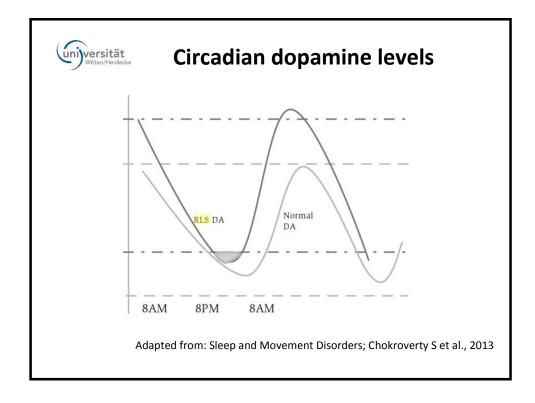




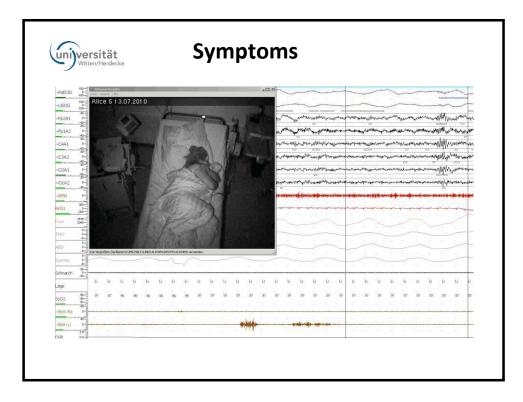


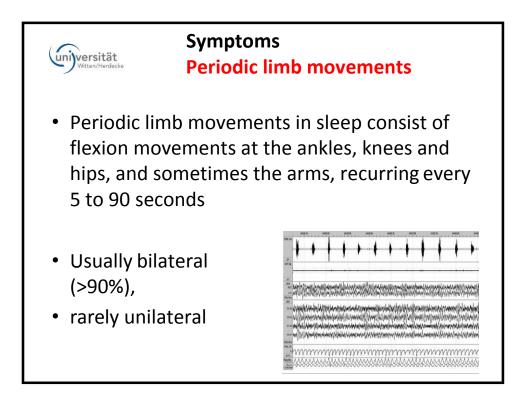


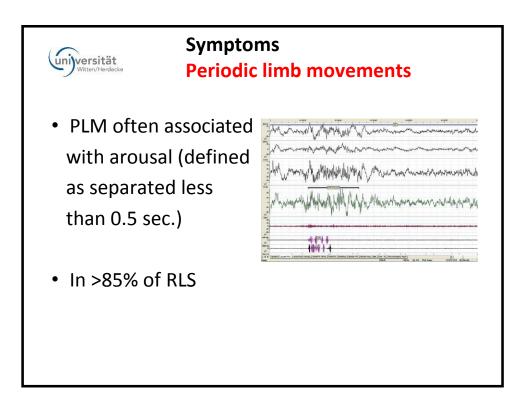


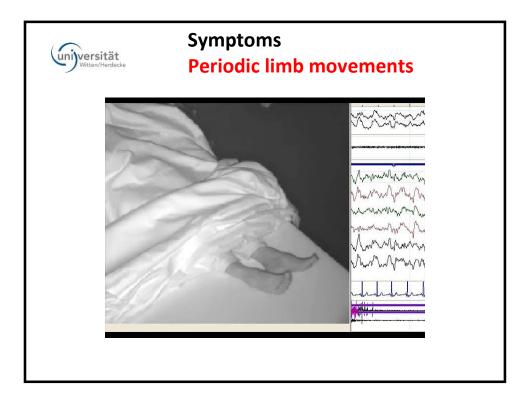


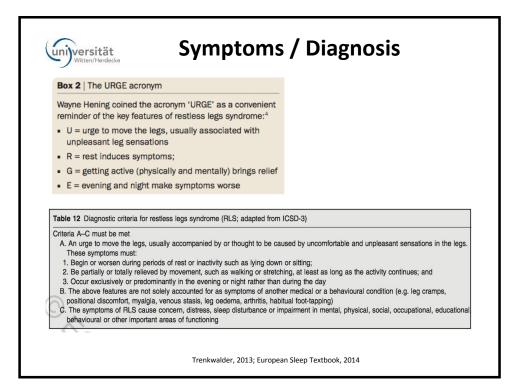




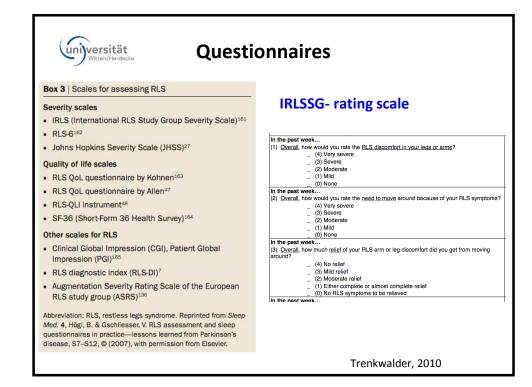


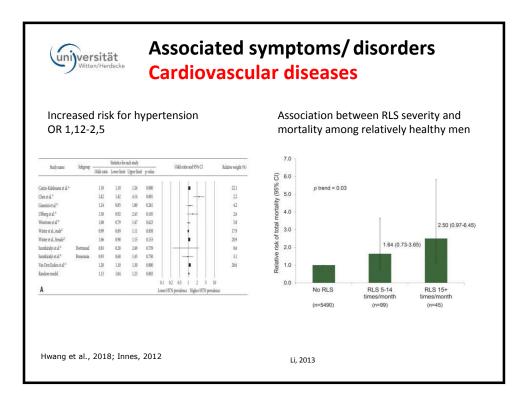


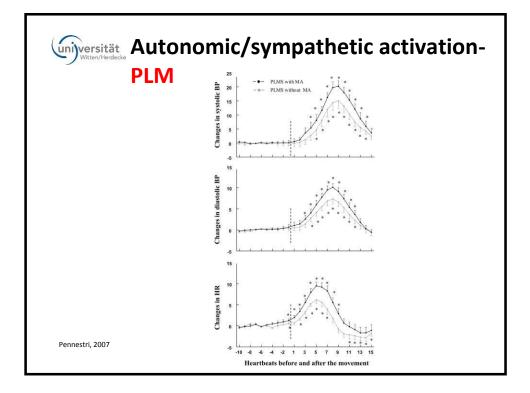


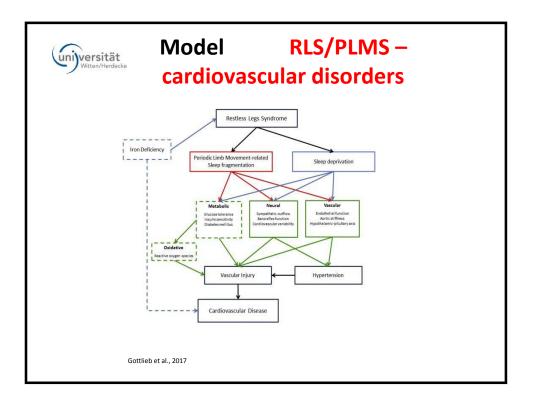


universität		cteristics That Differentiate the Most Common Mimic RLS From RLS ^{15,38}
	Disorder	Characteristics
	Hypotensive akathisia	Occurs in patients with orthostatic hypotension; does not normally occur while lying down
	Radiculopathy	No urge to move the legs; no response to dopamine agonists
Differentialdiagnesis	Vascular	Pain intensity in legs worsens with movement; pain
Differentialdiagnosis	claudication; neurogenic claudication	intensity in legs lessens with rest; no urge to move legs; no circadian rhythmicity
	Neuroleptic- induced akathisia	History of neuroleptic use; no relief with leg movement
	Neuropathy	Typically reported as numbness, burning, pain; no
		urge to move the legs; present mostly during the
		day, infrequent at night; no relief with sustained
		movement; no response to dopamine agonists
	Chronic pain syndrome	Symptoms may be present with movement
	Nocturnal leg	No urge to move the legs; often experienced as
	cramps	sudden and painful muscle contractions in calf
	Hypnic jerks	Sudden movements/sensations often described as falling or electric shocks
	Fibromyalgia	No circadian rhythmicity; no response to dopamine agonists; not relieved by movement
	Positional	No circadian rhythmicity; can be relieved by simple
	discomfort	change in position; usually does not return with position change
	Arthritis	Discomfort with movement and mostly in joints; no response to dopamine agonists; no circadian rhythmicity
	Varicose veins	Some relief with inactivity or massage

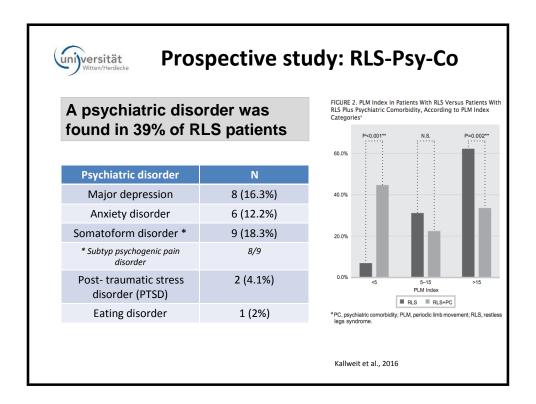


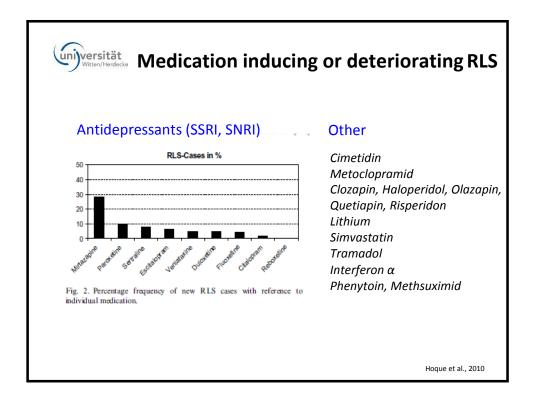


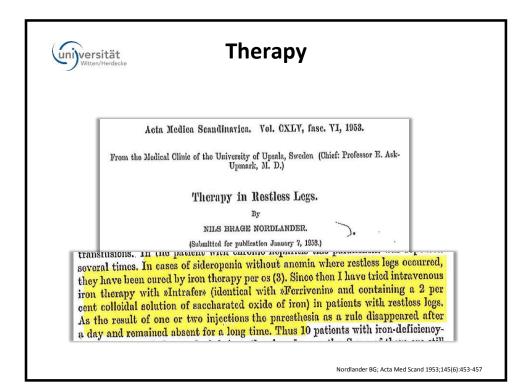


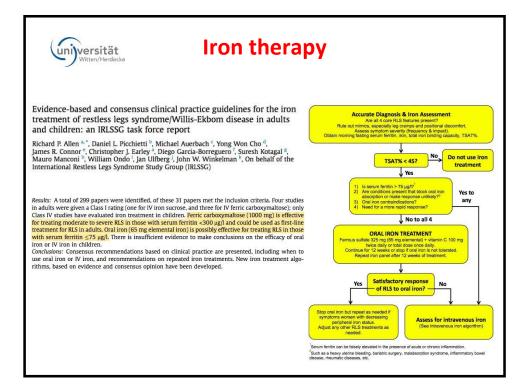


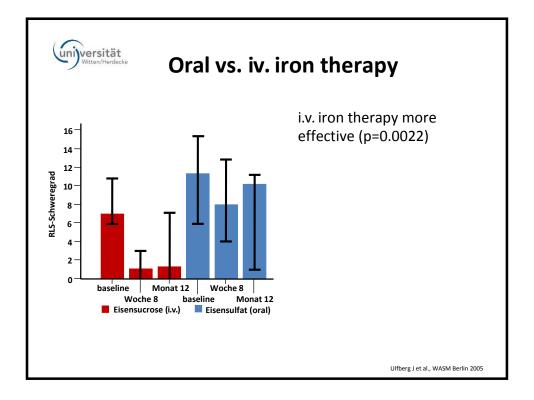
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			sk for de	press			ety				
OR	2-4										
Table 2 Lifetime prevalen	to rater	and odds	entio of damageria	director	manie all	tacke and ansists	disorders in Pl	Constants and t	A CUC MU	Control	annum /# n < 0.05
** p < 0.01; *** p < 0.001)										is control	group (~ p < 0.03)
22 - COLORD - 22 - COLORD - 23	125.645	(n = 130)	•	Contr	als (n = 2	22.65)	RLS vs. Co	ontrols	RLS >	65 years	(n = 108)
	RLS				a series and and a series of	08262		222022	-		95%CI
	RLS (%	95%Cl	N	‰w	95%CI	OR	95% CI	N	%	95%(1
#Any MDE	10000	1000	95%Cl 29.0-45.6	N 393	%w 15.2	95%Cl 13.7-16.8	OR 3.30***	95%CI 2.1-5.0	N 21	% 19.4	13.0-28.1
#Any MDE MDE	N	%			2.5225		0.725	(10.48 (P))	(1772) (1772)	100	
	N 48	%	29.0-45.6	398	15.2	13.7-16.8	3.30***	2.1-5.0	21	19.4	13.0-28.1
MDE	N 48 30	% 36.9 23.0	29.0-45.6 16.6-31.2	393 348	15.2 13.4	13.7–16.8 11.9–14.9	3.30*** 1.98**	2.1-5.0 1.2-3.0	21 17	19.4 15.7	13.0-28.1 10.0-23.9
MDE Dysthymia	N 48 30 7	% 36.9 23.0 5.3	29.0-45.6 16.6-31.2 2.5-10.9	393 348 108	15.2 13.4 3.8	13.7-16.8 11.9-14.9 3.1-4.7	3.30*** 1.93** 1.10	21-5.0 12-3.0 0.4-2.5	21 17 4	19,4 15,7 3,7	13.0-28.1 10.0-23.9 1.3-9.5
MDE Dysthymia Panic Attack	N 48 30 7 20	% 36.9 23.0 5.3 15.38	29.0-45.6 16.6-31.2 2.5-10.9 10.1-22.7	393 348 108 193	15.2 13.4 3.8 7.2	13.7-16.8 11.9-14.9 3.1-4.7 6.2-8.4	3.30*** 1.98** 1.10 2.11**	21-5.0 12-3.0 0.4-25 1.2-3.6 ^b	21 17 4 8	19.4 15.7 3.7 7.4	13.0-28.1 10.0-23.9 1.3-9.5 3.7-14.2
MDE Dysthymia Panic Attadk «Any Panic Disorder Panic Disorder	N 48 30 7 20 15	% 36.9 23.0 53 15.38 11.4	29.0-45.6 16.6-31.2 2.5-10.9 10.1-22.7 7.0-18.3	393 348 108 193 92	15.2 13.4 3.8 7.2 3.4	13.7–16.8 11.9–14.9 3.1–4.7 6.2–8.4 2.7–4.2	3.30*** 1.93** 1.10 2.11** 3.64***	21-5.0 12-3.0 0.4-25 12-3.6 ^b 1.8-6.9 ^b	21 17 4 8 5	19,4 15,7 3,7 7,4 4,6	13.0-28.1 10.0-23.9 1.3-9.5 3.7-14.2 1.9-10.7
MDE Dysthymia Panic Attadk #Any Panic Disorder	N 48 30 7 20 15	% 36.9 23.0 53 15.38 11.4	29.0-45.6 16.6-31.2 2.5-10.9 10.1-22.7 7.0-18.3	393 348 108 193 92	15.2 13.4 3.8 7.2 3.4	13.7–16.8 11.9–14.9 3.1–4.7 6.2–8.4 2.7–4.2	3.30*** 1.93** 1.10 2.11** 3.64***	21-5.0 12-3.0 0.4-25 12-3.6 ^b 1.8-6.9 ^b	21 17 4 8 5	19,4 15,7 3,7 7,4 4,6	13.0-28.1 10.0-23.9 1.3-9.5 3.7-14.2 1.9-10.7

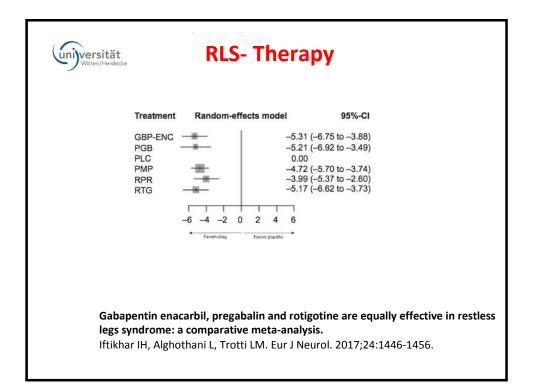




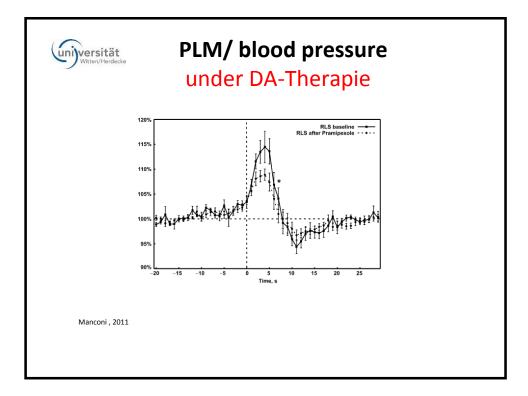


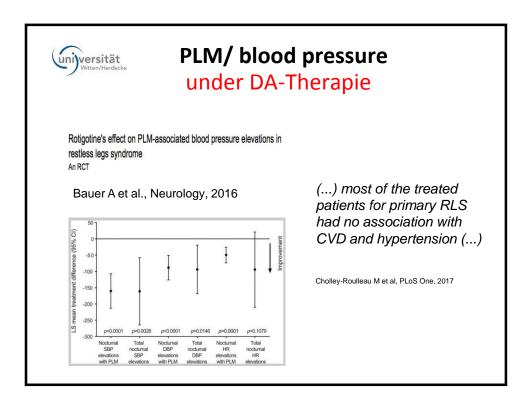


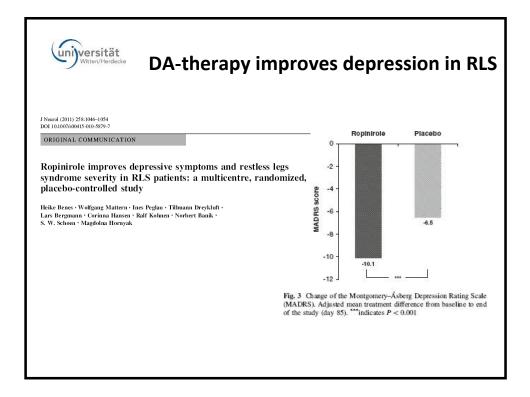


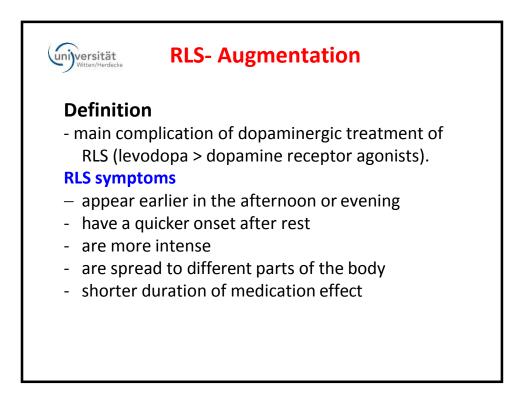


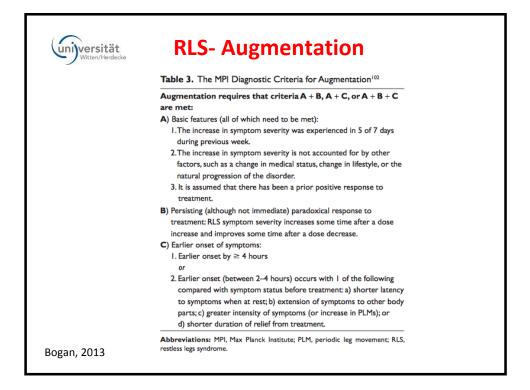
Drug	Level of evidence
Dopamine agonists	
Pramipexole	Level A
Rotigotine	Level A
Cabergoline	Level A, not FDA-approved
Ropinirole	Level B
Levodopa	Level C, not FDA-approved
Alpha-2-delta calcium channel ligands	Level e, not i bri appiored
Gabapentin encarbil	Level A
Pregabalin	Level B, not FDA-approved
Gabapentin	
Opioids	
Oxycodone/naloxone	Level C, not FDA-approved
Iron	
Oral iron	Level B, not FDA-approved
Ferric carboxymaltose	Level B, not FDA-approved

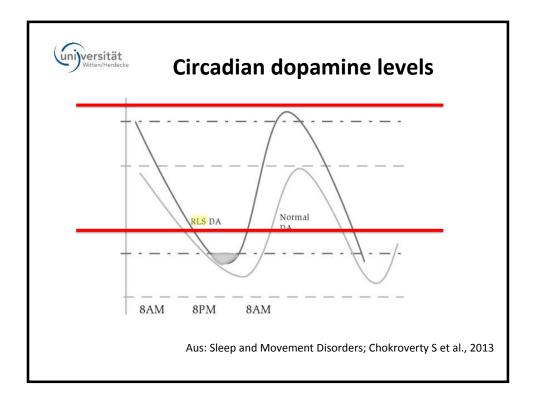


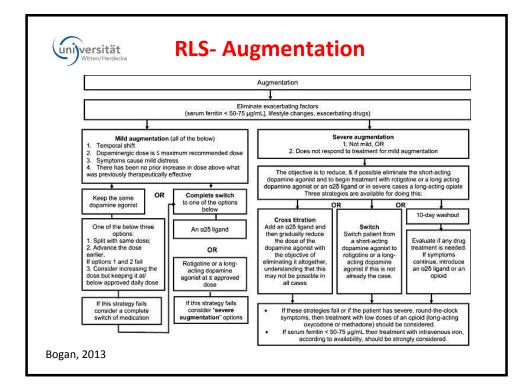


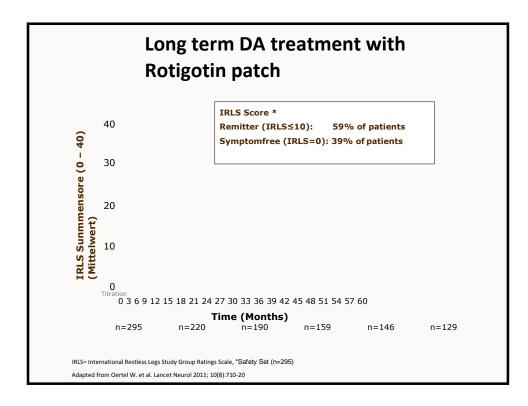


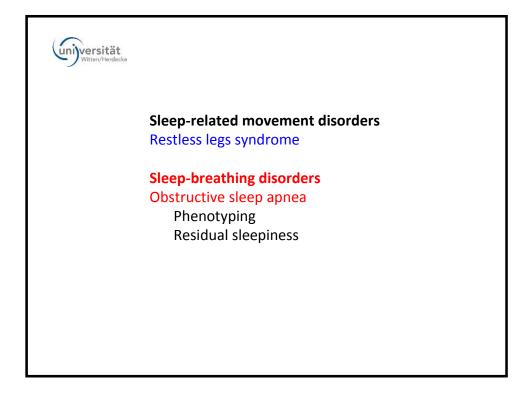


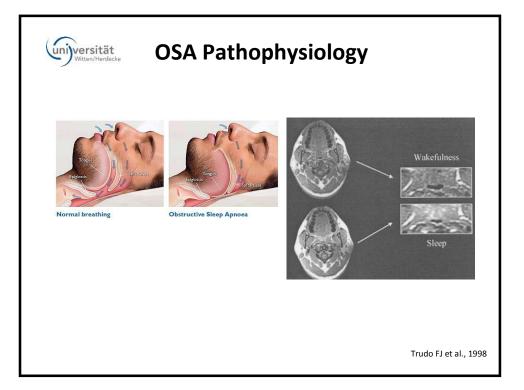


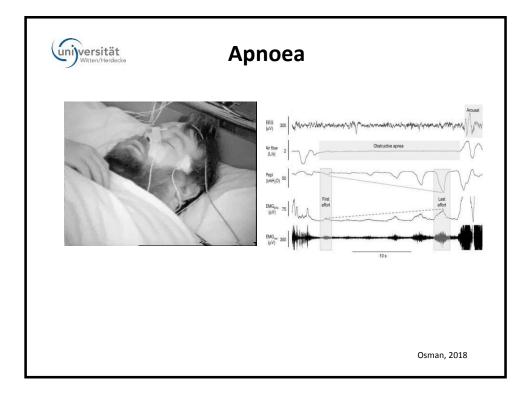


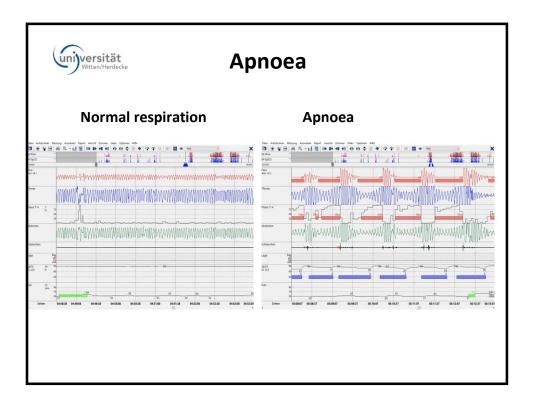


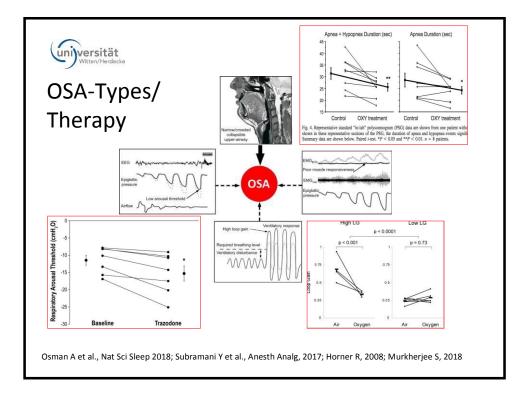


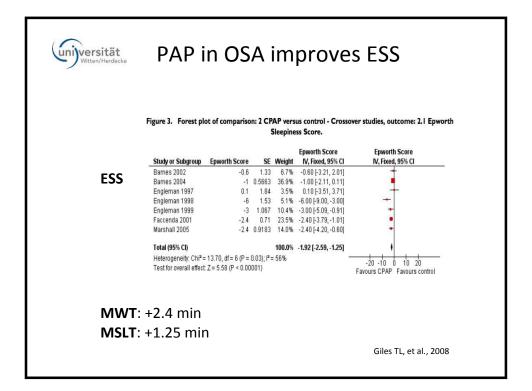


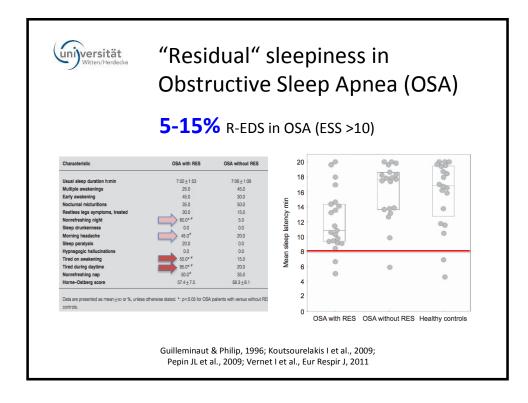


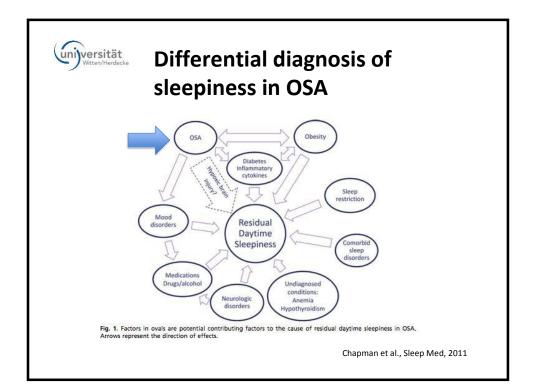


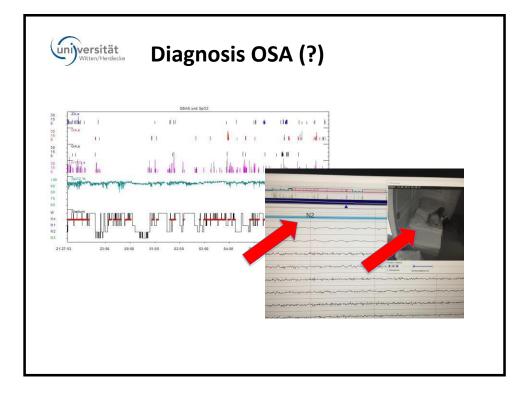


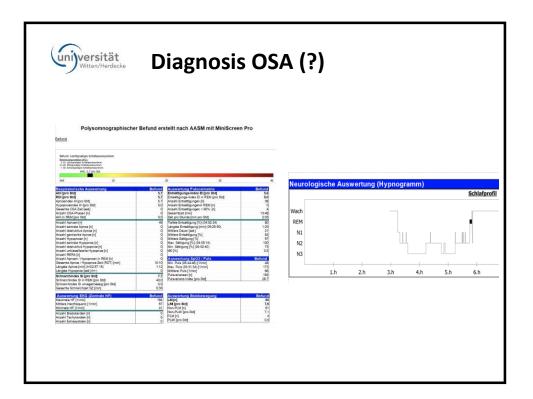


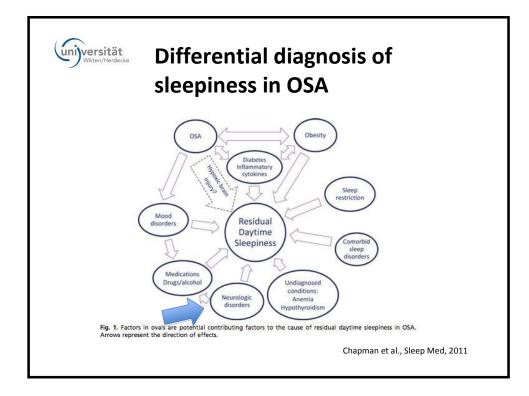


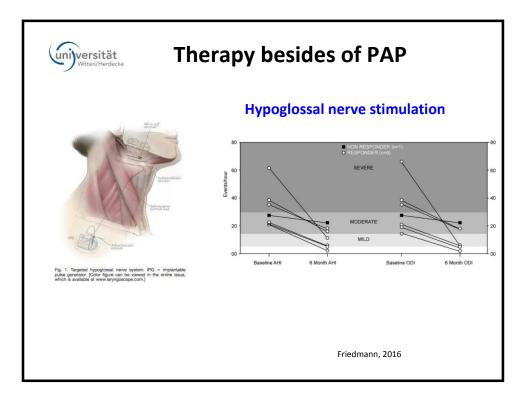


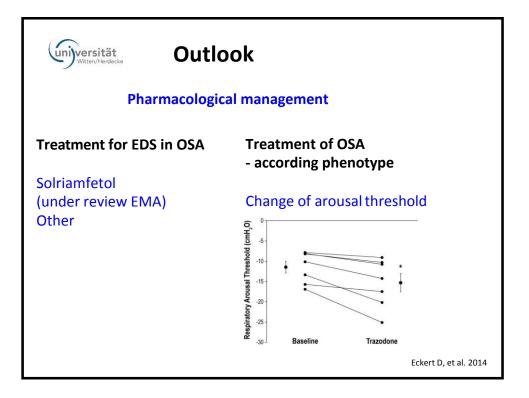


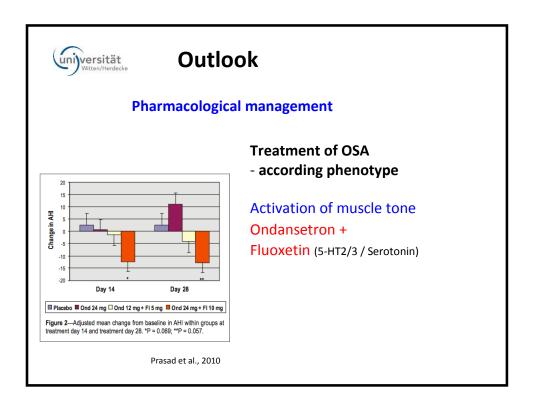














Sleep neurology at EAN Oslo

Sunday, 30 June

Time: 8:00 – 9:30 h Room: Jan Mayen 1 Activity: Focussed Workshop 10: Disturbances of consciousness and sleep-wake functions: The lessons from brain damaged patients.

Time: 17:00 – 18:30 h Room: Budapest Activity: Oral session: Sleep disorders

<u>Monday, 1 July</u>

Time: 8:00 – 9:30 h Room: Lisbon Activity: Interactive Session 5: What can movement in sleep tell us about the disease?

Time: 13:30 – 14:15 h Room: Poster Screen B12 Activity: Poster session Sleep 2

Time: 15:45 – 16:45 h Room: VIP Room, exhibition, blue area Activity: Sleep Panel Business Meeting