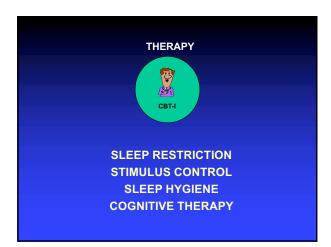
Overview

- What is CBT-I?
- Sleep Diary
- Sleep Restriction
- Stimulus Control



A HX PERSPECTIVE COGNITIVE & BEHAVIORAL TXS SEPT. 29, 1894.] EAU-DE COLOGNE TIPPLERS. [Ter Barrier 719] SLEEPLESSNESS. culled from the Glasgow Herald:

What is CBT-I?				
CBT-I is a psychotherapy that targets:				
Behaviors Increase sleep drive Strengthen the signals from the circadian clock Optimize congruency between circadian clock and placement of sleep opportunity (time in bed) Strengthen bed as cue for sleep (conditioned insomnia) Reduce physiological arousal				
Cognitions Reduce sleep effort Reduce cognitive arousal Address dysfunctional beliefs Address safety behaviors Address obstacles to adherence				

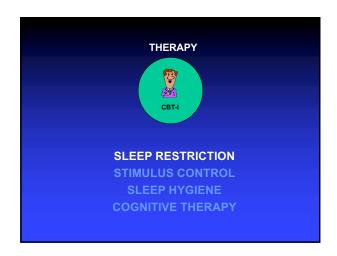


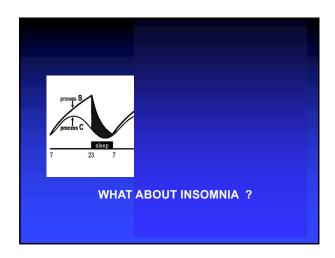
"WHAT ARE WE GOING TO DO TODAY?" THE SAME THING AS EVERY DAY ...!



- SLEEP DIARY
- Introduced at the end of first (assessment) visit
 Completed daily throughout treatment
 Reviewed at beginning of each session
 Essential to carry out treatment

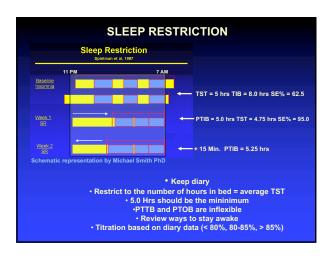
CONSENSUS SLEEP DIARY today's date 1. What time did you get into bed? 2. What time did you try to go to sleep? 3. Hove long did it take you to fall asleep? 4. How many times did you veake up, not counting your final avakening? In total beer long did 10:15 PM 11:30 PM 55 min 6 times 2 hours 5 min i. In total, how long did these awakenings last 6:35 AM ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ Yes ☐ No

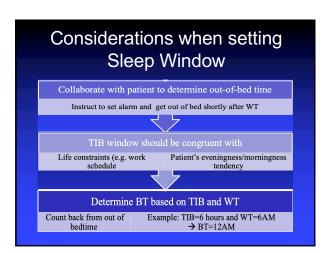


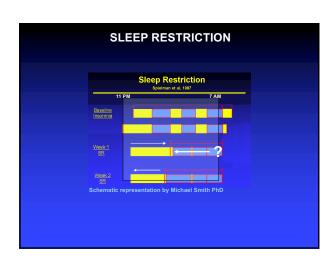


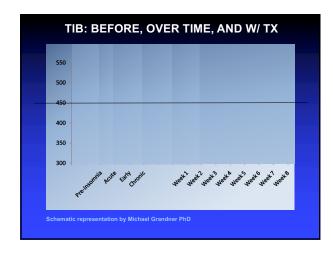
SRT: A Multi-step Process Aim: Create and harness a strong sleep drive to improve sleep quality as represented by increasing sleep efficiency (SE) SE = total sleep time / total time in bed x 100 Step 1: Decrease time in bed to approximate current average total sleep time (based on sleep diaries) Step 2: Slowly increase time in bed when: • Sleep improves (SE ≥ 85%) BUT

• Sleep need is not met (daytime sleepiness present)





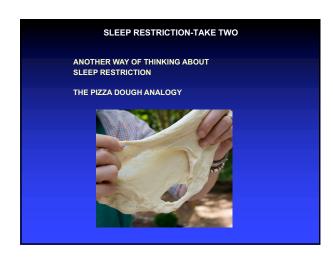


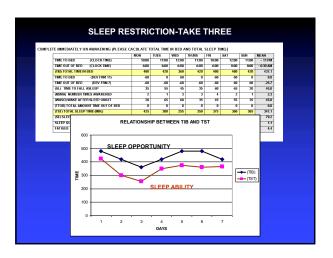




Sleep Restriction Rationale

- Putting quality before quantity
- Improve quality by enhancing sleep drive
- What is better-solid sleep or more sleep?
- Once sleep quality is improved (as measured by sleep efficiency) and body learns to sleep solidly, sleep quantity will gradually be extended.
- Look for optimal sleep times and windows





Evennle					
Example A 68 Year Old Retired Air Force Mechanic					
Stressor: Wife recent diagnosis of lung cancer; grandson soon to be deployed					
History: Insomnia during periods of anxiety, increased with diagnosis of Restless Legs Syndrome					
Dozes off and on in the evening					
BT: 19:00 watches TV Lights out: 19:30-20:00 SL < 30 minutes					
WASO 3-4 times a night, up 20-40 minutes each time					
WT = 04:00 AM Out-of-Bed = 4:30 AM					
Daytime effects: Tired, does not drive, tries to nap during the day					
Problems: Arthritis, Restless Legs Syndrome; Depression (mild)					
Medications: Motrin, Mirapex, Calcium					
Coffee and a glass of wine with dinner at 17:30 PM					
Goal: Stay asleep through the night, "like everyone else"					

Example Diary							
Today's date	7/1	7/2	7/3	7/4	7/5	7/6	7/7
In total, how long did you nap or doze yesterday?	30	60	45	60	60	40	50
1. What time did you get into bed?	7:00	7:15	7:00	7:00	7:30	6:30	8:00
2. What time did you try to go to sleep?	7:00	8:00	7:15	8:00	8:00	7:00	8:00
3. How long did it take you to fall asleep?	15	10	10	10	10	15	10
How many times did you wake up, not counting your final awakening?	2	1	3	2	1	2	1
5. In total, how long did these awakenings last?	2 hrs	2 hrs	3 hrs	2 hrs	2 hrs	3 hrs	2 hrs
6a. What time was your final awakening? 6b. Did you wake up earlier than you desired? 6c. If yes how many minutes earlier?	3:00 Yes 150	4:00 Yes 90	4:30 Yes 30	4:30 Yes 30	4:00 Yes 60	4:50 Yes 40	4:00 Yes 90
7. What time did you get out of bed for the day?	5:30	5:30	5:00	5:00	5:00	5:30	5:30
8. How would you rate the quality of your sleep?	X poor	X Poor	X very Poor	X very poor	X poor	X very Poor	X Poor
9. Comments (if applicable)							
Averages: TIB = 9.68 hrs; TST = 6.04 hrs; SE = 62.55%							

Example

Patient sleep diary indicates the following averages:

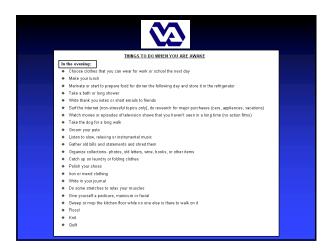
- TST = 6.04 hours
 TIB = 9.68hours
 WT = 5:30 AM
 SE= 62.5%
 No strong circadian tendencies

Q: What BT and out-of-bed time would you suggest?

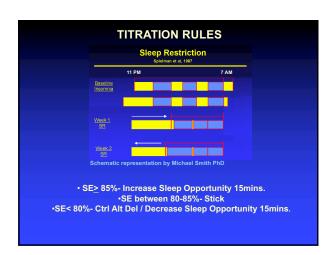
Activities before bed time

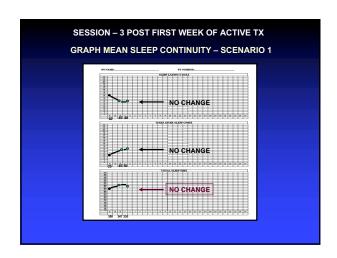


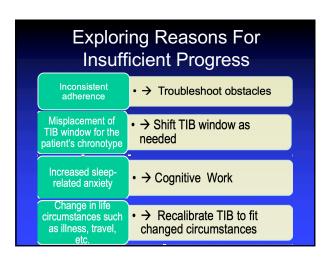
- Sit up and forward
- Wash face
- Cold compress
- Stand (5-10mins)
- · Rinse and repeat
- Activities

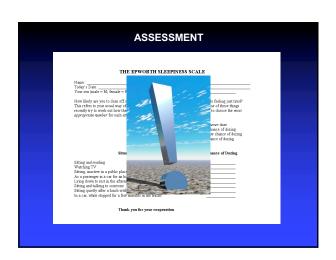


SRT: Difficulty Getting Out of Bed at Designated Time • Relevant to "owls" and patients with depression – Plan highly motivating activities – Plan activities that involve commitment to others – Use multiple, staggered alarm clocks – Elicit help from significant others



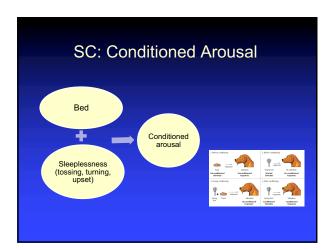


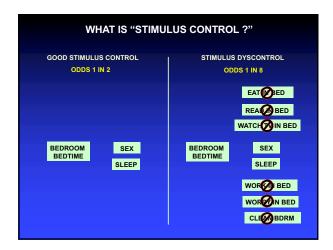


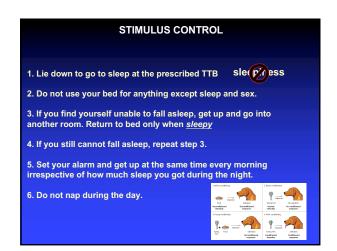


Extend TIB if BOTH conditions are met: High sleep quality • SE ≥ 85% • Pt feels they need more sleep How much to extend? • Base on ESS • ESS<10, add 15mins • ESS≥10, add 30mins











Obstacles to SCT



"My partner always reads in bed and sleeps just fine"

Partner does not have conditioned insomnia

"I always read in bed at bedtime and have no problem falling asleep; It helps me fall asleep" Then why are you here? Dependency on reading

SCT: Practical Considerations For Instruction #3



Patient: "How long should I wait before getting out of bed?"

- •Rule of thumb is 15 to 20 mins. ?
- •Do not look at clock → creates anxiety and make you try harder to sleep.
- •Use your internal sensation that sleep is not imminent. Do not dwell.

SC: Practical Considerations for Instruction #3



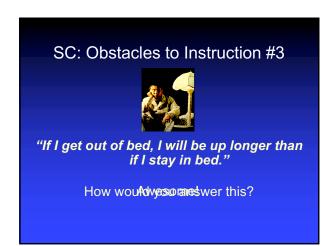
Patient: "What should I do when out of bed?"

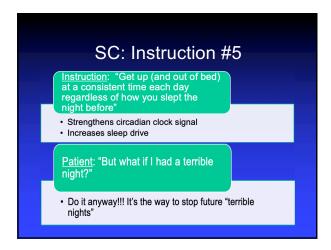
- •Prepare a comfortable spot: warm throw cover, space heater, dim lighting
- •Use coping self talk: "I can't sleep now so I might as well enjoy the time rather than struggle.
- •Engaging but non-stimulating activities. ?

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Things to do when awake at night What not to do No eating No exercise No work What to do Relaxing enjoyable activities TV Movies Reading Hobbies/crafts

Games





SC: Instruction #6 Instruction: "Do not take daytime naps" • Increases sleep drive at night BUT if needed for safety DO nap • Safety needs ALWAYS come first A regular short nap (15-30 minutes) taken 7-9 hours after morning wake time will not affect sleep drive or weaken the circadian clock

