INSOMNIA

SESSION 2 – TREATMENT



Session Two (Treatment Initiation; 60-120 min.)

Tasks						
Summarize & Graph Sleep Diary						
Determine Treatment Plan						
Review Sleep Diary Data – "mismatch"						
Introduce Behavioral Model of Insomnia						
Setting up Sleep Restriction and Stimulus Control						
Set Prescription (TIB & TOB)						
Set Strategy						
How to stay awake to the prescribed hour						
What to do with WASO time						



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

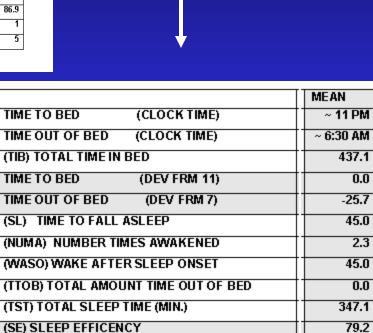
WHAT IS IT THEY DO EVERY DAY ? WHO ARE THEY ?

	Tasks				
S	ummarize & Graph Sleep Diary				
C	etermine Treatment Plan				
Review Sleep Diary Data – "mismatch"					
Introduce Behavioral Model of Insomnia					
Setting up Sleep Restriction and Stimulus Control					
Set Prescription (TIB & TOB)					
S	et Strategy				
How to stay awake to the prescribed hour					
	What to do with WASO time				

SESSION – 2 TREATMENT INITIATION CALCULATE MEAN SLEEP CONTINUITY

COMPLETE IMMEDIATELY ON AWAKENING (PLEASE CACULATE TOTAL TIME IN BED AND TOTAL SLEEP TIME)

	MON	TUES	WED	THURS	FRI	SAT	SUN
TIME TO BED (CLOCK TIME)	10:00	11:00	12:00	11:00	10:00	12:00	11:00
TIME OUT OF BED (CLOCK TIME)	6:00	6:00	6:00	6:00	6:00	8:00	8:00
(TIB) TOTAL TIME IN BED	480	420	360	420	480	480	420
TIME TO BED (DEV FRM 11)	-60	0	60	0	-60	60	0
TIME OUT OF BED (DEV FRM 7)	-60	-60	-60	-60	-60	60	60
(SL) TIME TO FALL ASLEEP	35	55	45	35	60	65	20
(NUMA) NUMBER TIMES AWAKENED	2	1	3	3	4	2	1
(WASO) WAKE AFTER SLEEP ONSET	20	65	60	35	45	55	35
(TTOB) TOTAL AMOUNT TIME OUT OF BED	0	0	0	0	0	0	0
(TST) TOTAL SLEEP TIME (MIN.)	425	300	255	350	375	360	365
(SE) SLEEP EFFICENCY	88.5	71.4	70.8	83.3	78.1	75.0	86.9
SLEEP QUALITY (POOR 0-1-2-3-4-5 GOOD)	0	1	2	3	0	1	1
FATIGUE (NONE 0—1—2—3—4—5 A LOT)	5	4	3	5	5	4	5



SLEEP QUALITY (POOR 0-1-2-3-4-5 GOOD)

FATIGUE (NONE 0-1-2-3-4-5 ALOT)

2.3

1.1

4.4

PAPER DIARIES & EXCEL vs. PDAs, **I-PHONE APPS, AND INTERNET** DIARIES.

THE UTILITY OF THE DIARY **RITUAL.**

THE VALUE OF ANCHORED TIME.

SESSION – 2 TREATMENT INITIATION ASSESS COMPLIANCE

COMPLETE IMMEDIATELY ON AWAKENING (PLEASE CACULATE TOTAL TIME IN BED AND TOTAL SLEEP TIME)

	MON	TUES	WED	THURS	FRI	SAT	SUN
TIME TO BED (CLOCK TIME)	10:00	11:00	12:00	11:00	10:00	12:00	11:00
TIME OUT OF BED (CLOCK TIME)	6:00	6:00	6:00	6:00	6:00	8:00	8:00
(TIB) TOTAL TIME IN BED	480	420	360	420	480	480	420
TIME TO BED (DEV FRM 11)	-60	0	60	0	-60	60	0
TIME OUT OF BED (DEV FRM 7)	-60	-60	-60	-60	-60	60	60
(SL) TIME TO FALL ASLEEP	35	55	45	35	60	65	20
(NUMA) NUMBER TIMES AWAKENED	2	1	3	3	4	2	1
(WASO) WAKE AFTER SLEEP ONSET	20	65	60	35	45	55	35
(TTOB) TOTAL AMOUNT TIME OUT OF BED	0	0	0	0	0	0	0
(TST) TOTAL SLEEP TIME (MIN.)	425	300	255	350	375	360	365
(SE) SLEEP EFFICENCY	88.5	71.4	70.8	83.3	78.1	75.0	86.9
SLEEP QUALITY (POOR 0-1-2-3-4-5 GOOD)	0	1	2	3	0	1	1
FATIGUE (NONE 0—1—2—3—4—5 A LOT)	5	4	3	5	5	4	5

TIME TO BED(CLOCK TIME)TIME OUT OF BED(CLOCK TIME)TIME OUT OF BED(CLOCK TIME)(TIB) TOTAL TIME IN BED(TIB)TIME TO BED(DEV FRM 11)TIME OUT OF BED(DEV FRM 7)(SL)TIME TO FALL ASLEEP(NUMA)NUMBER TIMES AWAKENED(WASO)WAKE AFTER SLEEP ONSET(TTOB) TOTAL AMOUNT TIME OUT OF(TST) TOTAL SLEEP TIME (MIN.)(SE) SLEEP EFFICENCY

SRT - TTB AND TOB COMPLIANCE STC - WASO IN/OUT COMPLIANCE

KNOW WHEN TO "HOLD THEM" "FOLD"

	0.0
TIME OUT OF BED (DEV FRM 7)	-25.7
(SL) TIME TO FALL ASLEEP	45.0
(NUMA) NUMBER TIMES AWAKENED	2.3
(WASO) WAKE AFTER SLEEP ONSET	45.0
(TTOB) TOTAL AMOUNT TIME OUT OF BED	0.0
(TST) TOTAL SLEEP TIME (MIN.)	347.1
(SE) SLEEP EFFICENCY	79.2
SLEEP QUALITY (POOR 0-1-2-3-4-5 GOOD)	1.1
FATIGUE (NONE 0—1—2—3—4—5 A LOT)	4.4

MEAN

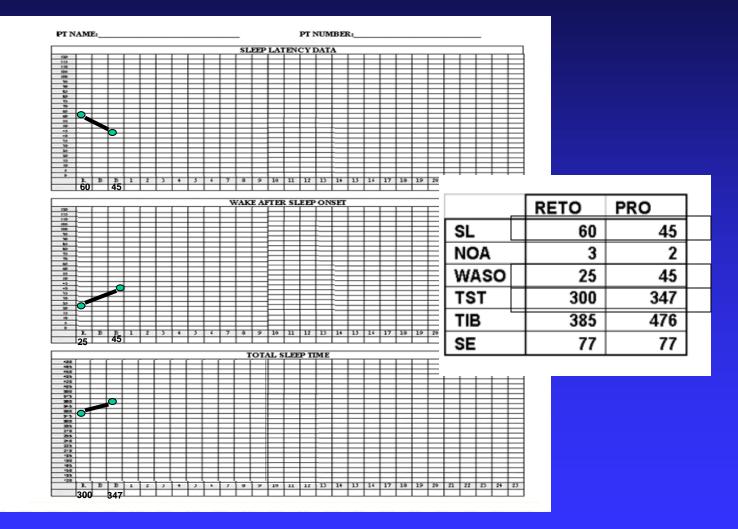
~ 11 PM

~ 6:30 AM

437.1

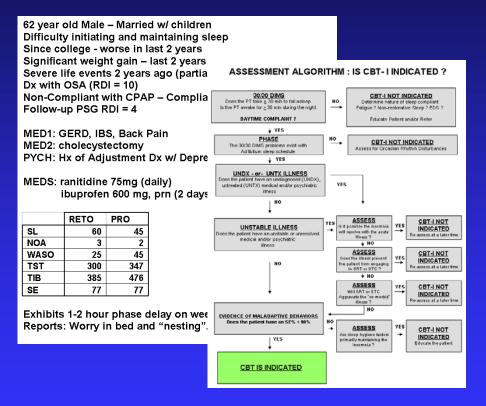
0.0

GRAPH MEAN SLEEP CONTINUITY



Tasks						
Summarize & Graph Sleep Diary						
Determine Treatment Plan						
Review Sleep Diary Data – "mismatch"						
Introduce Behavioral Model of Insomnia						
Setting up Sleep Restriction and Stimulus Control						
Set Prescription (TIB & TOB)						
Set Strategy						
How to stay awake to the prescribed hour						
What to do with WASO time						

CBT-I IS INDICATED – NOW WHAT ?





A COLD CALL APPROACH TO SETTING TIB MAY RESULT IN RESISTANCE AND NON-COMPLIANCE

Tasks						
Summarize & Graph Sleep Diary						
Determine Treatment Plan						
Review Sleep Diary Data – "mismatch"						
Introduce Behavioral Model of Insomnia						
Setting up Sleep Restriction and Stimulus Control						
Set Prescription (TIB & TOB)						
Set Strategy						
How to stay awake to the prescribed hour						
What to do with WASO time						

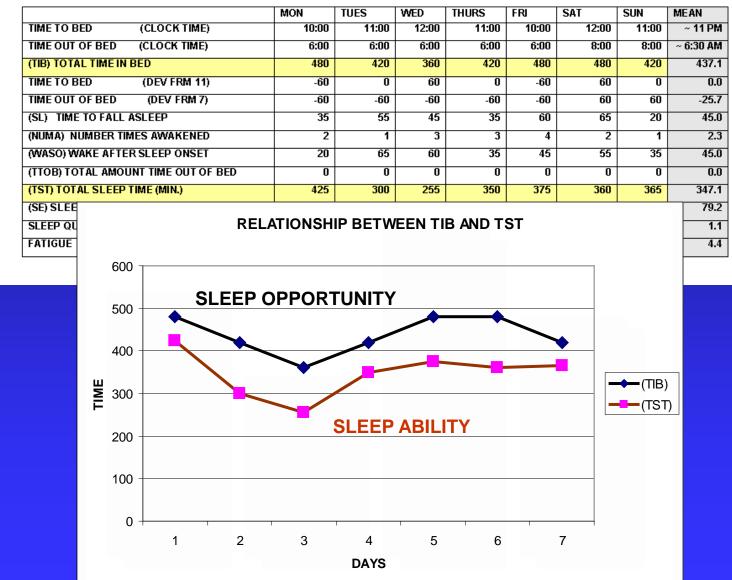
LET THE DATA SPEAK FOR ITSELF



REVEALING THE MISMATCH

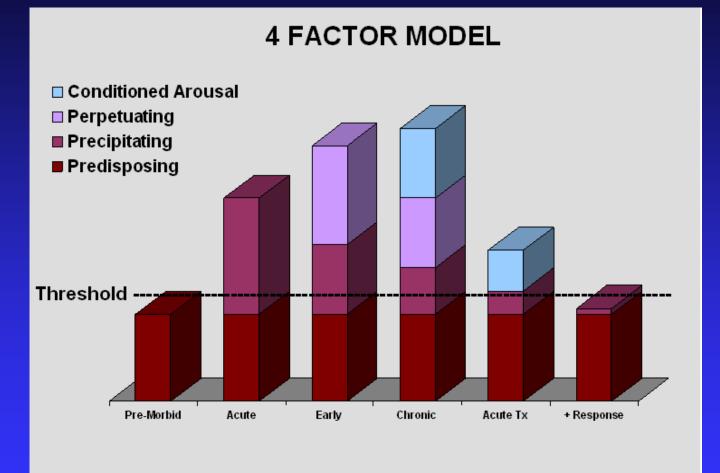


COMPLETE IMMEDIATELY ON AWAKENING (PLEASE CACULATE TOTAL TIME IN BED AND TOTAL SLEEP TIME)



Tasks
Summarize & Graph Sleep Diary
Determine Treatment Plan
Review Sleep Diary Data – "mismatch"
Introduce Behavioral Model of Insomnia
Setting up Sleep Restriction and Stimulus Control
Set Prescription (TIB & TOB)
Set Strategy
How to stay awake to the prescribed hour
What to do with WASO time

DRAW THIS ON THE WHITE BOARD



EXAMPLE

SESSION – 2 TREATMENT INITIATION EXPLAIN THE MODEL – USE EXAMPLES FROM PATIENT'S HX

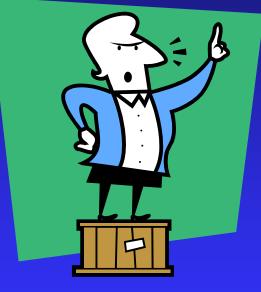


SESSION – 2 TREATMENT INITIATION DRAW THIS ON THE WHITE BOARD



NOTE: THIS DIFFERS FROM THE MANUAL !

SESSION – 2 TREATMENT INITIATION EXPLAIN THE MODEL – CHANGING THE ODDS



NOTE: SOAP BOX

A 2ND WAY OF THINKING ABOUT STIMULUS CONTROL

THE SINGLE GUY EXAMPLE



A 3RD WAY OF THINKING ABOUT STIMULUS CONTROL

	cy Converter - Live Rates		1. 199.	4		
Sleep Wa	ke Converter					
TIME AWAKE	TIME OF DAY			TIME ASLEEP		
	6	•	\rightarrow	9		•
	Need to	Exchange	-			
70 60 50	E:SLEEP CONVER	FER				exchange rates. Why % return. Be awake a
40 30 20	and the second s		and get a on season	2:1 return on m , weather tren	nost nights, and on a ds, and the mix of y	some occasions (dep rour personal portfoli r time, when it's wort

Tasks

Summarize & Graph Sleep Diary

Determine Treatment Plan

Review Sleep Diary Data - "mismatch"

Introduce Behavioral Model of Insomnia

Setting up Sleep Restriction and Stimulus Control

Set Prescription (TIB & TOB)

Set Strategy

How to stay awake to the prescribed hour

What to do with WASO time

Tasks	
Summarize & Graph Sleep Diary	
Determine Treatment Plan	
Review Sleep Diary Data - "mismate	ch"
Introduce Behavioral Model of Insor	nnia
Setting up Sleep Restriction and Sti	mulus Control
Set Prescription (TIB & TOB)	
Set Strategy	
How to stay awake to the prescrib	ed hour
What to do with WASO time	



THE GOALS OF TREATMENT ARE TO

- **1. ALIGN SLEEP ABILITY WITH SLEEP OPPORTUNITY**
- 2. MAKE A PLAN FOR HOW TO STAY AWAKE TO THE PTIB
- 3. MAKE A PLAN RE: WHAT TO DO DURING STC

A REVIEW OF SRT



SLEEP RESTRICTION



- Restrict to the number of hours of sleep (\geq 4.0)**
- Keep rigid times
- Review ways to stay awake
- No clocks
- Keep diary
- Review expectations

** PCNA 1987:10(4),547.

Tasks

Summarize & Graph Sleep Diary

Determine Treatment Plan

Review Sleep Diary Data - "mismatch"

Introduce Behavioral Model of Insomnia

Setting up Sleep Restriction and Stimulus Control

Set Prescription (TIB & TOB)

Set Strategy

How to stay awake to the prescribed hour

What to do with WASO time

WHAT'S THE SRT PRESCRIPTION IN THIS CASE ?

REMEMBER THE FIRST QUESTION IS "WHAT TIME DO YOU NEED TO START YOUR DAY ?" (ASSUME 6:30AM AND ROUND TST LOW).

	MEAN
TIME TO BED (CLOCK TIME)	~ 11 PM
TIME OUT OF BED (CLOCK TIME)	~ 6:30 AM
(TIB) TOTAL TIME IN BED	437.1
TIME TO BED (DEV FRM 11)	0.0
TIME OUT OF BED (DEV FRM 7)	-25.7
(SL) TIME TO FALL ASLEEP	45.0
(NUMA) NUMBER TIMES AWAKENED	2.3
(WASO) WAKE AFTER SLEEP ONSET	45.0
(TTOB) TOTAL AMOUNT TIME OUT OF BED	0.0
(TST) TOTAL SLEEP TIME (MIN.)	347.1
(SE) SLEEP EFFICENCY	79.2
SLEEP QUALITY (POOR 0-1-2-3-4-5 GOOD)	1.1
FATIGUE (NONE 0-1-2-3-4-5 A LOT)	4.4

Tasks

Summarize & Graph Sleep Diary

Determine Treatment Plan

Review Sleep Diary Data - "mismatch"

Introduce Behavioral Model of Insomnia

Setting up Sleep Restriction and Stimulus Control

Set Prescription (TIB & TOB)

Set Strategy

How to stay awake to the prescribed hour

What to do with WASO time



NYONE KNOW WHAT THIS IS CALLED <u>MAKE A "TO DO LIST"</u> PLAN HOW TO STAY UP PLAN HOW TO GET UP

EXPECT THINGS TO GET WORSE BEFORE THEY GET BETTER SAY WHY !!



THINGS TO DO WHEN YOU ARE AWAKE

In the evening:

- Choose clothes that you can wear for work or school the next day
- Make your lunch
- Marinate or start to prepare food for dinner the following day and store it in the refrigerator
- Take a bath or long shower
- Write thank you notes or short emails to friends
- Surf the internet (non-stressful topics only), do research for major purchases (cars, appliances, vacations)
- Watch movies or episodes of television shows that you haven't seen in a long time (no action films)
- Take the dog for a long walk
- Groom your pets
- Listen to slow, relaxing or instrumental music
- Gather old bills and statements and shred them
- Organize collections- photos, old letters, wine, books, or other items
- Catch up on laundry or folding clothes
- Polish your shoes
- Iron or mend clothing
- Write in your journal
- Do some stretches to relax your muscles
- Give yourself a pedicure, manicure or facial
- Sweep or mop the kitchen floor while no one else is there to walk on it
- Floss!
- 🔹 Knit
- 🔶 Quilt



THINGS TO DO WHEN YOU ARE AWAKE

During the night:

- Look through catalogs
- Update your address books or start one online or on paper
- Sort out junk mail and bills (but don't pay bills)
- Play solitaire online or with cards at home
- Catch up on your reading
- Call friends who live in other time zones
- Clean out the refrigerator
- Make a grocery shopping list for the week
- Create a detailed menu for dinners
- De-clutter your coffee table, dining room table, kitchen countertops or desk
- Create a list of activities that you'd enjoy doing on weekends and vacations
- Work on photo albums or scrapbooks
- Fold clothes, put away clothes
- Shop for holiday, wedding or birthday gifts online
- Read magazines or other light material
- Make a materials list for a project around the house
- Choose one or two drawers to clean out (in your desk, kitchen, bathroom)
- Watch infomercials, C-SPAN, The Weather Channel, or other repetitive television shows
- Organize collections of CDs or DVDs and choose some to donate or sell if you no longer enjoy them
- Jot down thoughts on a notepad for an assigned period of time, if you are using this exercise to help decrease
 nighttime and bedtime thinking and worrying
- Knit or do other crafts that you can stop working on when you feel sleepy
- Read your kids' books- these are often very comforting and positive in their messages



THINGS TO DO WHEN YOU ARE AWAKE

Early in the morning:

- Meditate or pray
- Watch the sunrise
- Take the dog for a walk
- Read the newspaper or read the news online
- Go to your gym or workout at home
- Go to the grocery store or other stores that open early
- Make lunch for yourself and for everyone else in the house
- Enjoy being able to get ready for work and kids ready for school without having to rush
- Sort out some kids' toys and choose things for Goodwill or a yard sale
- Sort and start your laundry, iron shirts or other clothes for work
- Start a budget for your family on a spreadsheet or in a notebook.
- Send emails to friends or check your work email
- Shred or erase old computer disks, DVDs, etc., and dump old data from folders on your computer
- Organize all of your bills, receipts, coupons and warranty information in a filing cabinet or folders
- Get some of the preparation started for dinner dishes (marinating, chopping vegetables, and so on)
- Make the bed and tidy up your bedroom Open the curtains and blinds in the house
- Sweep your sidewalk or steps, or shovel snow
- Do some light gardening or water houseplants or those around your porch
- Review your to-do list for the day or the week

WHY 3 SEPARATE LISTS ?

THINGS TO DO WHEN YOU ARE AWAKE

In the evening:

- Choose clothes that you can wear for work or school the next day
- Make your lunch
- + Marinate or start to prepare food for dinner the following day and store it in the refrigerator
- Take a bath or long shower
- Write thank you notes or short emails to friends
- Surf the internet (non-stressful topics only), do research for major purchases (cars, appliances, vacations)
- Watch movies or episodes of television shows that you haven't seen in a long time (no action films)
- Take the dog for a long walk
- Groom your pets
- Listen to slow, relaxing or instrumental music
- Gather old bills and statements and shred them
- Organize collections- photos, old letters, wine, books, or other items
- Catch up on laundry or folding clothes
- Polish your shoes
- Iron or mend clothing
- Write in your journal
- Do some stretches to relax your muscles
- · Give yourself a pedicure, manicure or facial
- · Sweep or mop the kitchen floor while no one else is there to walk on it
- Floss!
- Knit
- Quilt



THINGS TO DO WHEN YOU ARE AWAKE

- During the night: Look through catalogs
- Update your address books or start one online or on paper
- Sort out junk mail and bills (but don't pay bills)
- Play solitaire online or with cards at home
- Catch up on your reading
- Call friends who live in other time zones
- Clean out the refrigerator
- Make a grocery shopping list for the week
- Create a detailed menu for dinners
- De-clutter your coffee table, dining room table, kitchen countertops or desk
- Create a list of activities that you'd enjoy doing on weekends and vacations
- Work on photo albums or scrapbooks
- Fold clothes, put away clothes
- Shop for holiday, wedding or birthday gifts online
- Read magazines or other light material
- Make a materials list for a project around the house
- Watch infomercials, C-SPAN, The Weather Channel, or other repetitive television st
- · Organize collections of CDs or DVDs and choose some to donate or sell if you no lo
- Jot down thoughts on a notepad for an assigned period of time, if you are using this nighttime and bedtime thinking and worrying
- * Knit or do other crafts that you can stop working on when you feel sleepy
- Read your kids' books- these are often very comforting and positive in their messag



THINGS TO DO WHEN YOU ARE AWAKE

Early in the morning:

- Meditate or pray
- Watch the sunrise
- Take the dog for a walk
- + Read the newspaper or read the news online
- Go to your gym or workout at home
- · Go to the grocery store or other stores that open early
- Make lunch for yourself and for everyone else in the house
- · Enjoy being able to get ready for work and kids ready for school without having to rush
- Sort out some kids' toys and choose things for Goodwill or a yard sale
- Sort and start your laundry, iron shirts or other clothes for work
- Start a budget for your family on a spreadsheet or in a notebook
- · Send emails to friends or check your work email
- Shred or erase old computer disks, DVDs, etc., and dump old data from folders on your computer
- Organize all of your bills, receipts, coupons and warranty information in a filing cabinet or folders
- Get some of the preparation started for dinner dishes (marinating, chopping vegetables, and so on)
- · Make the bed and tidy up your bedroom Open the curtains and blinds in the house
- Sweep your sidewalk or steps, or shovel snow
- Do some light gardening or water houseplants or those around your porch
- · Review your to-do list for the day or the week

- Choose one or two drawers to clean out (in your desk, kitchen, bathroom)

QUESTIONS & RESISTANCES

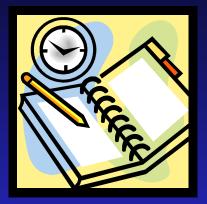


I HAVE DONE STC & SRT BEFORE AND IT DIDN'T WORK

WAS IT SRT & STC ? (DELPINO) WAS IT SYSTEMATIC ? (LADDER)

WHAT IF I GET TO INTO WHAT I'M DOING TO STAY AWAKE ?!

IF NOT TONIGHT THEN TOMORROW



NEXT WEEK

REVIEW YOUR SLEEP DIARY DATA

TITRATION, TROUBLE SHOOTING STC & SLEEP HYGIENE

BREAK





The University of Pennsylvania



Michael Perlis PhD Director, Upenn Behavioral Sleep Medicine Program mperlis@upenn.edu