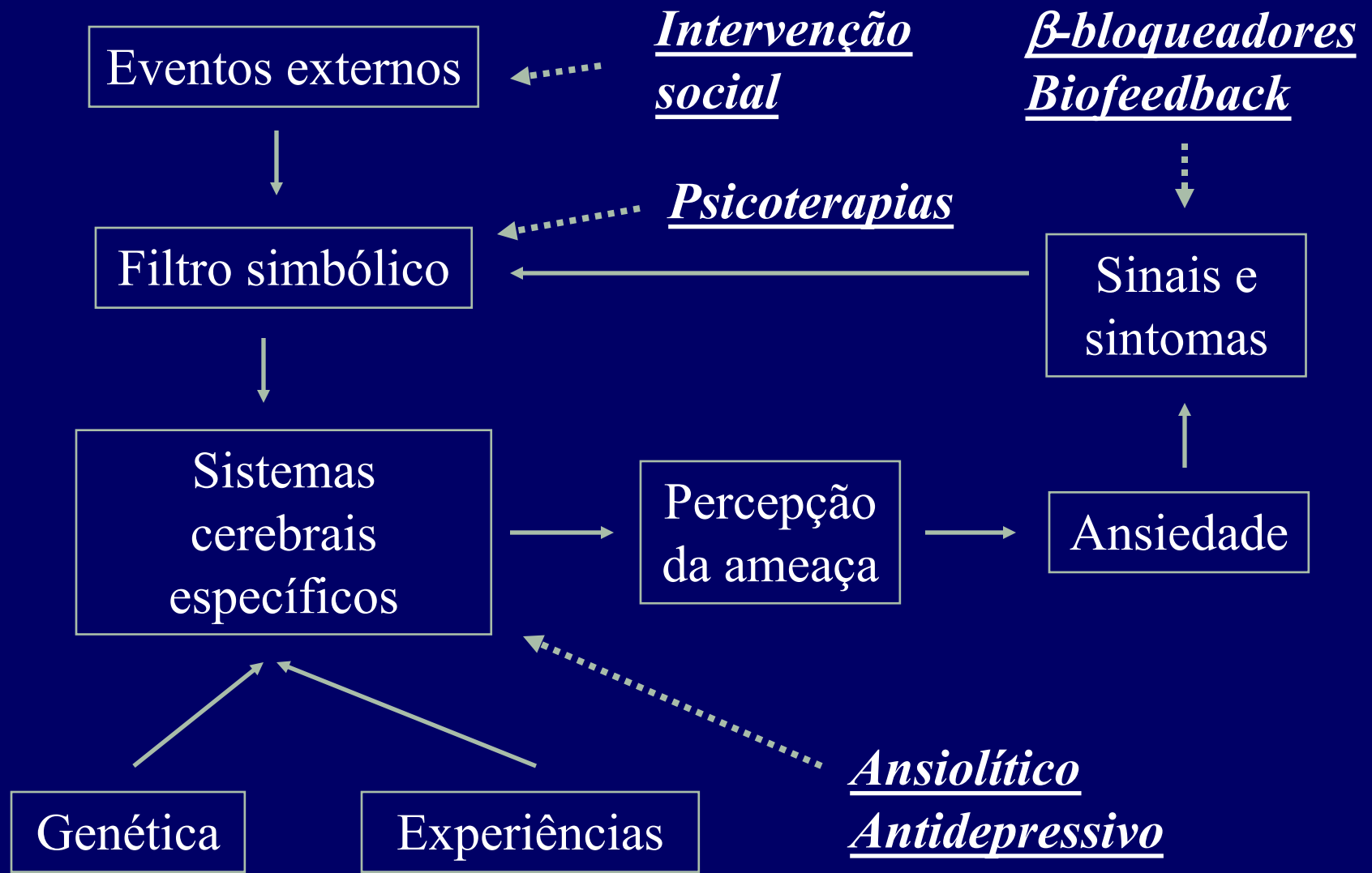
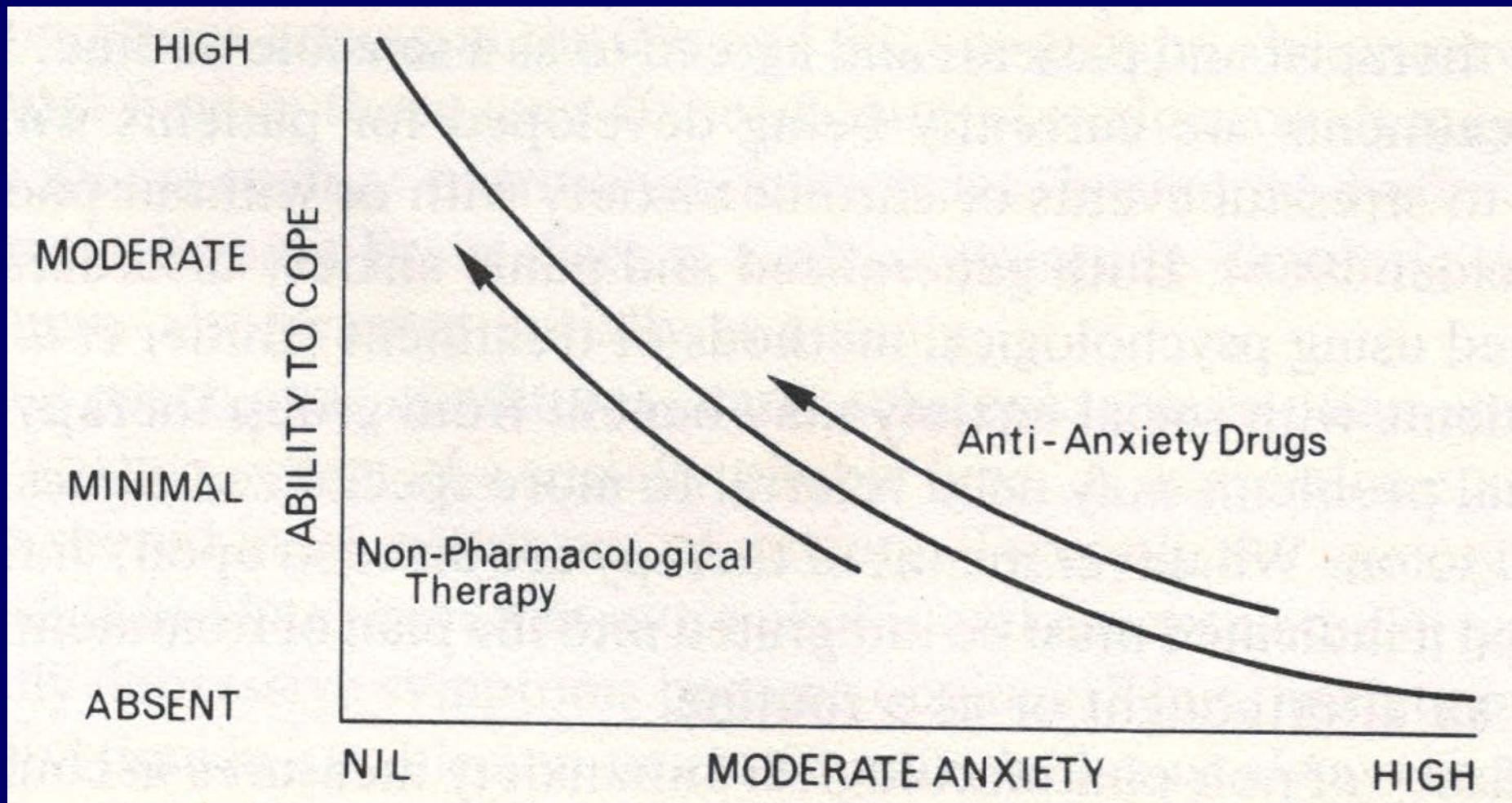
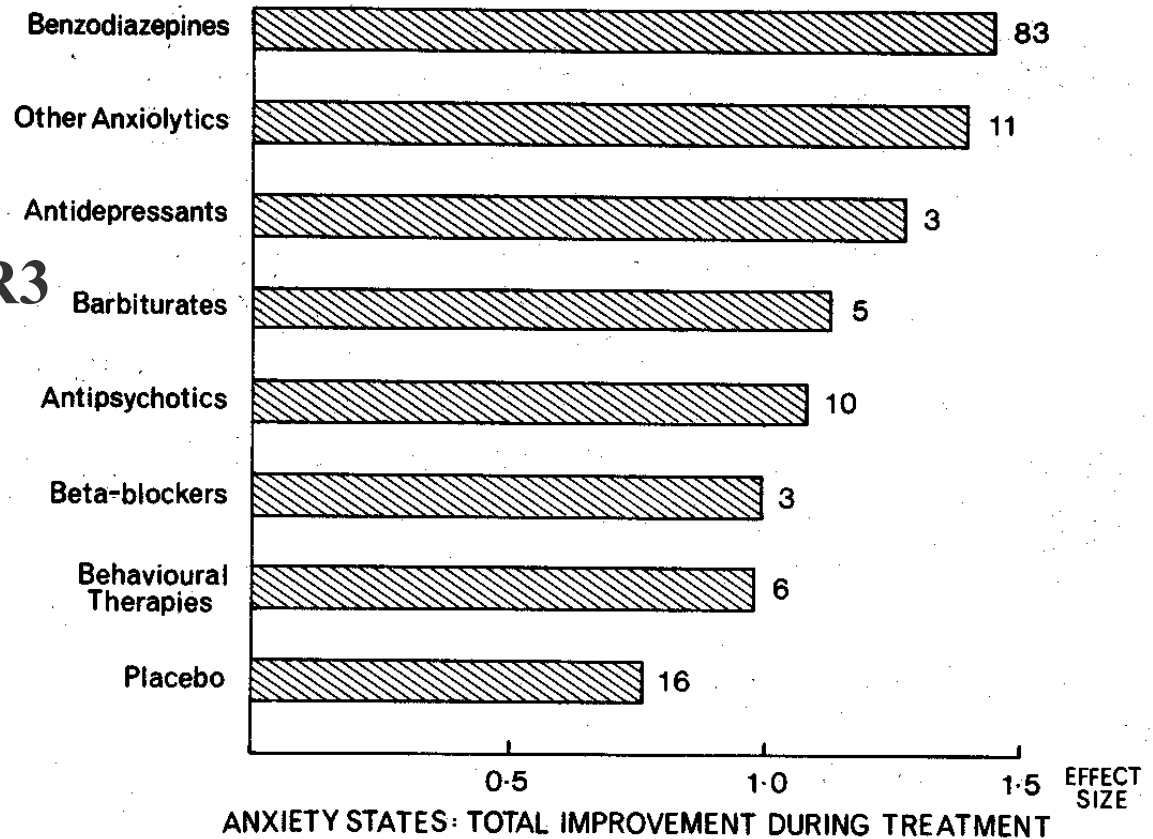
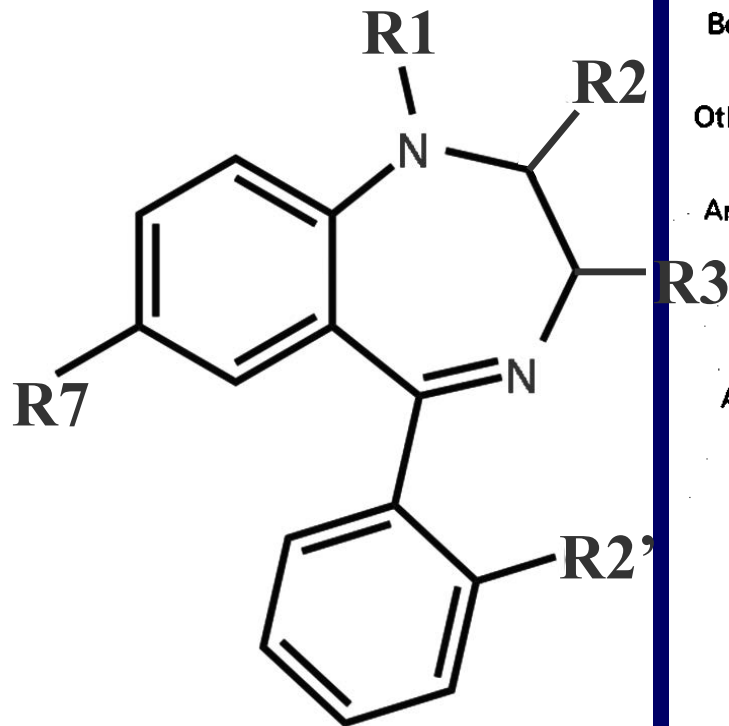






Quando tratar farmacologicamente a ansiedade?

Eficácia de BZD em ansiedade generalizada



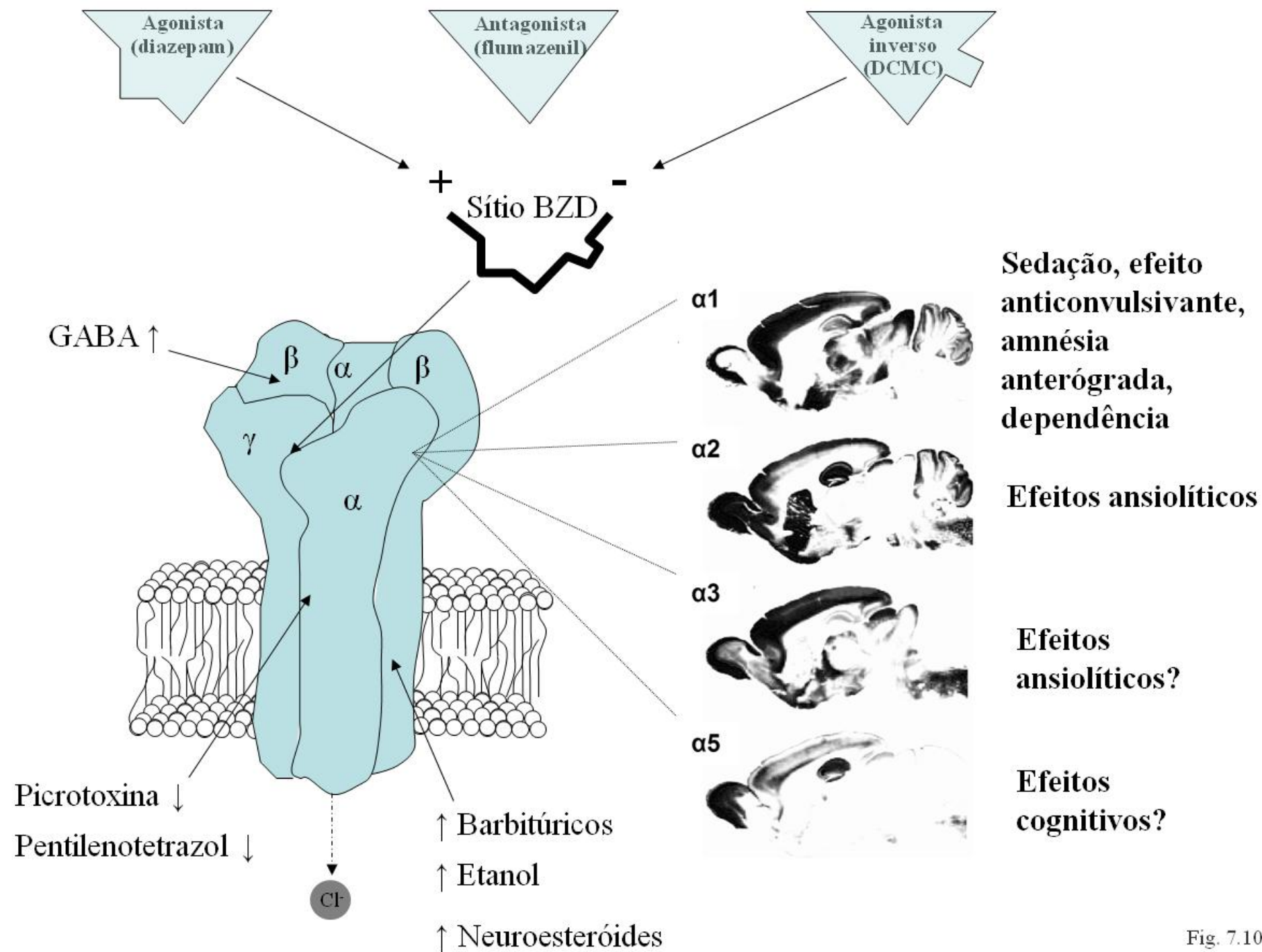
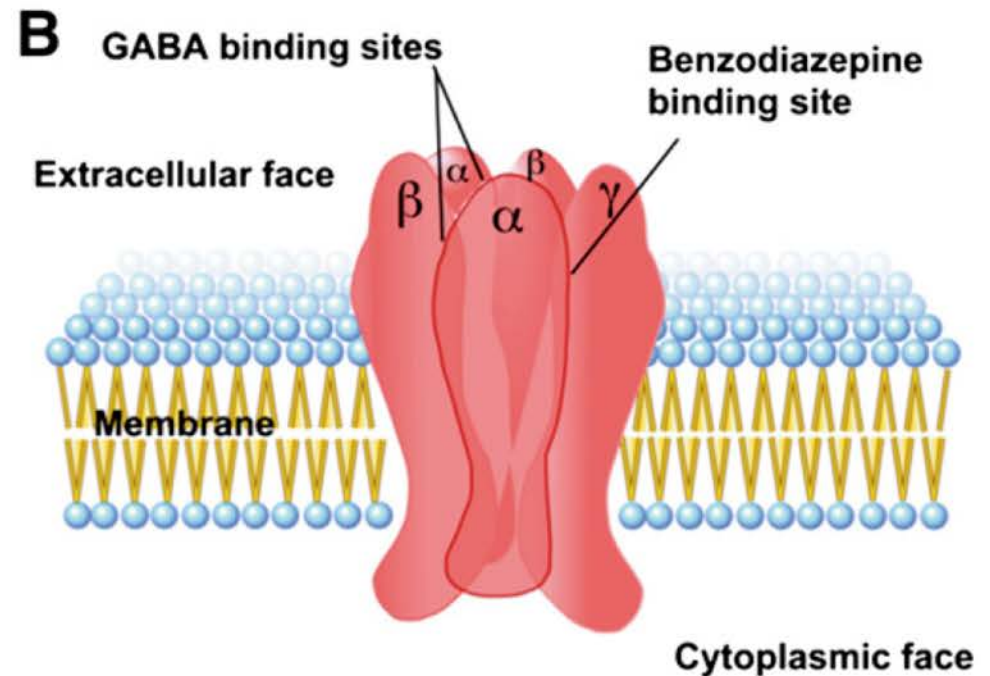
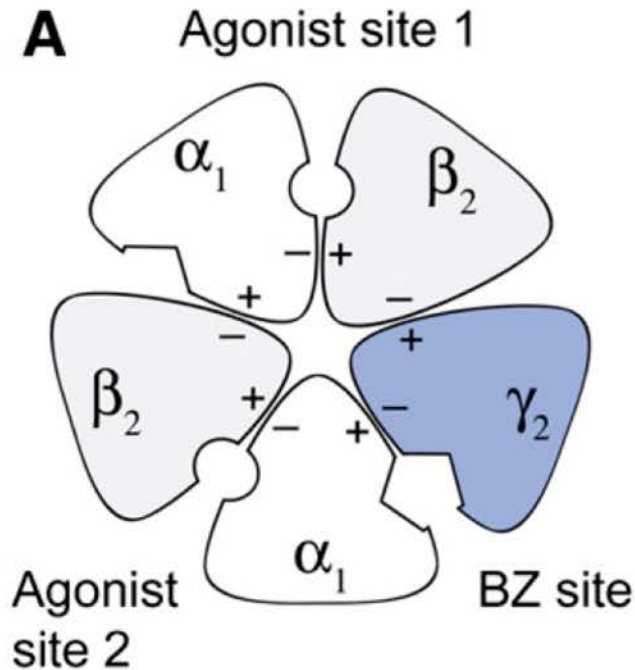
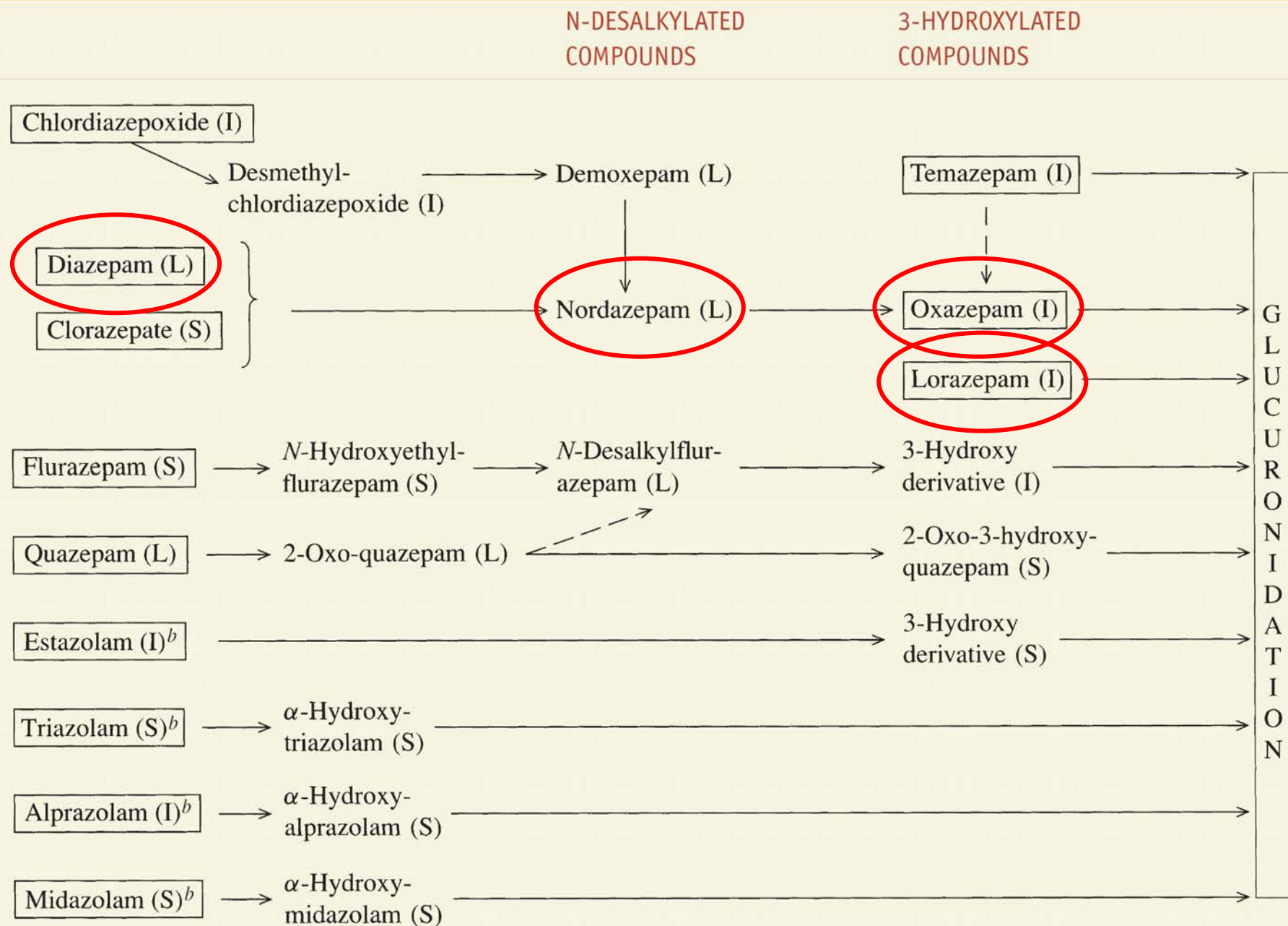


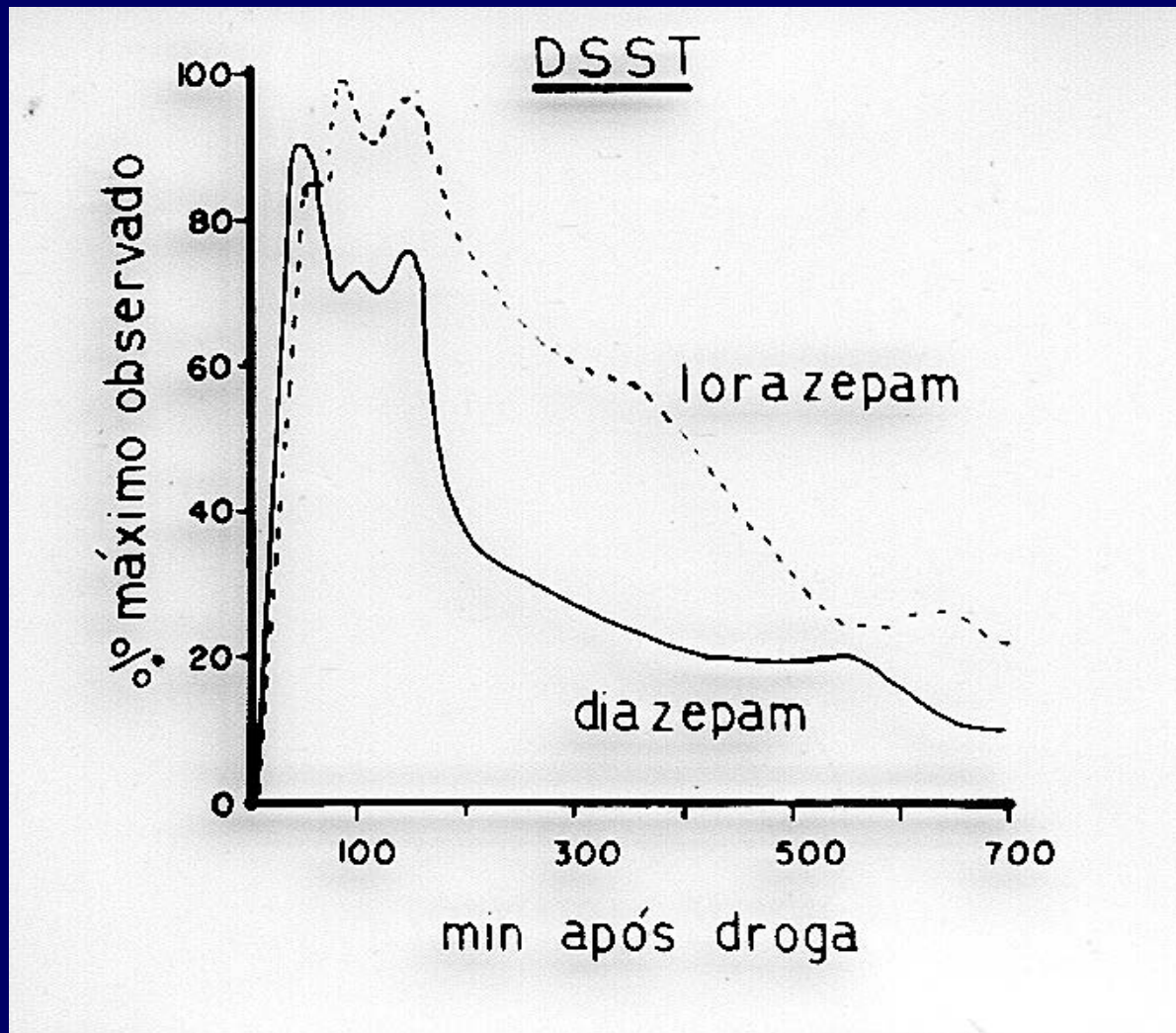
Fig. 7.10

Sítios de ligação dos benzodiazepínicos no receptor GABA-A



Major Metabolic Relationships among Some of the Benzodiazepines^a





Efeito de prejuízo psicomotor causado por diazepam e lorazepam

Efeitos dos benzodiazepínicos



Ansiolíticos

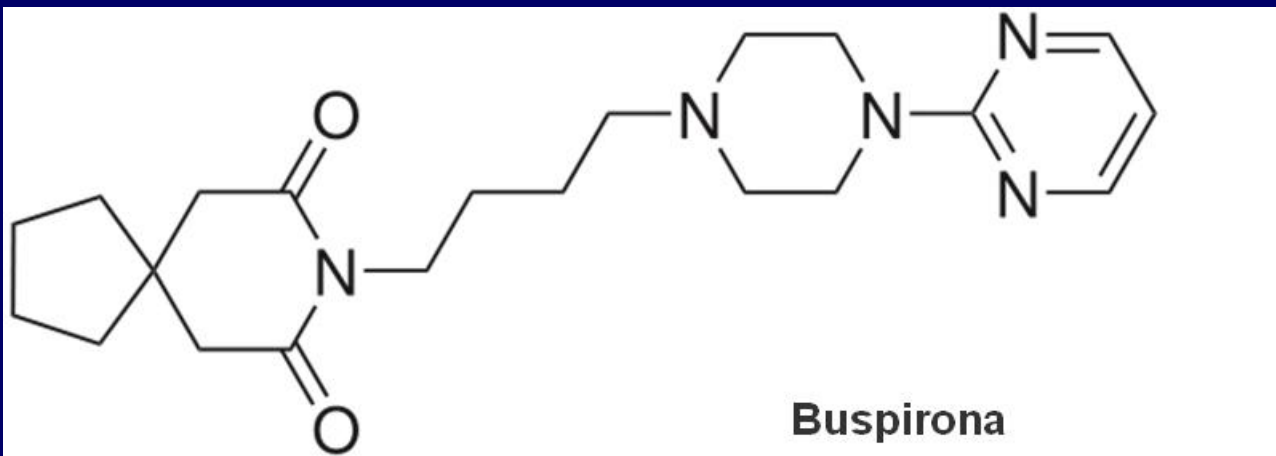


Hipnóticos



Anticonvulsivantes

Outros: relaxamento muscular central, amnésia anterógrada, tolerância, dependência, prejuízo psicomotor, interação com depressores SNC (ex. etanol)

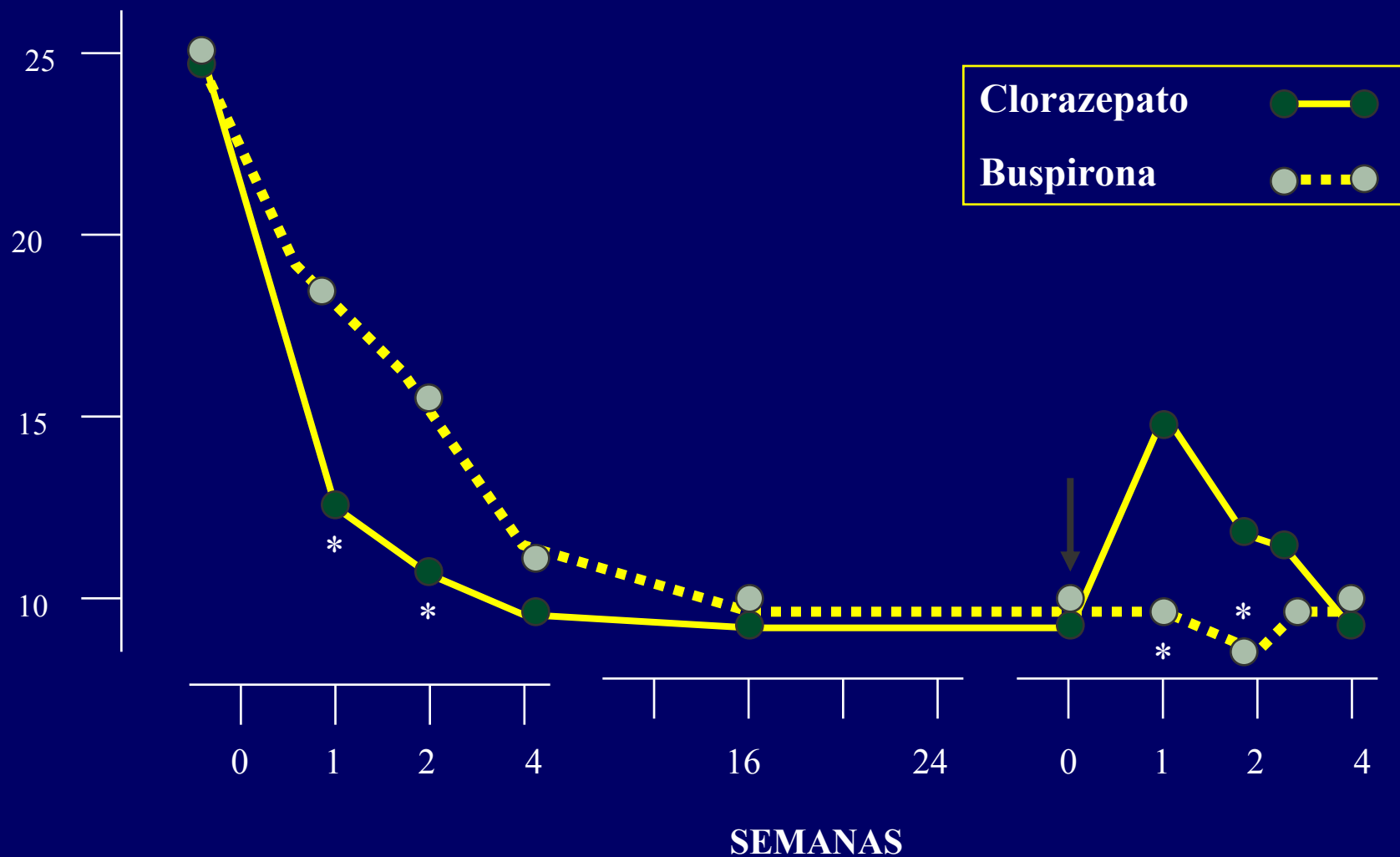


Escala de
ansiedade de
Hamilton

Efeito
agudo

Período de
manutenção

Após parada abrupta

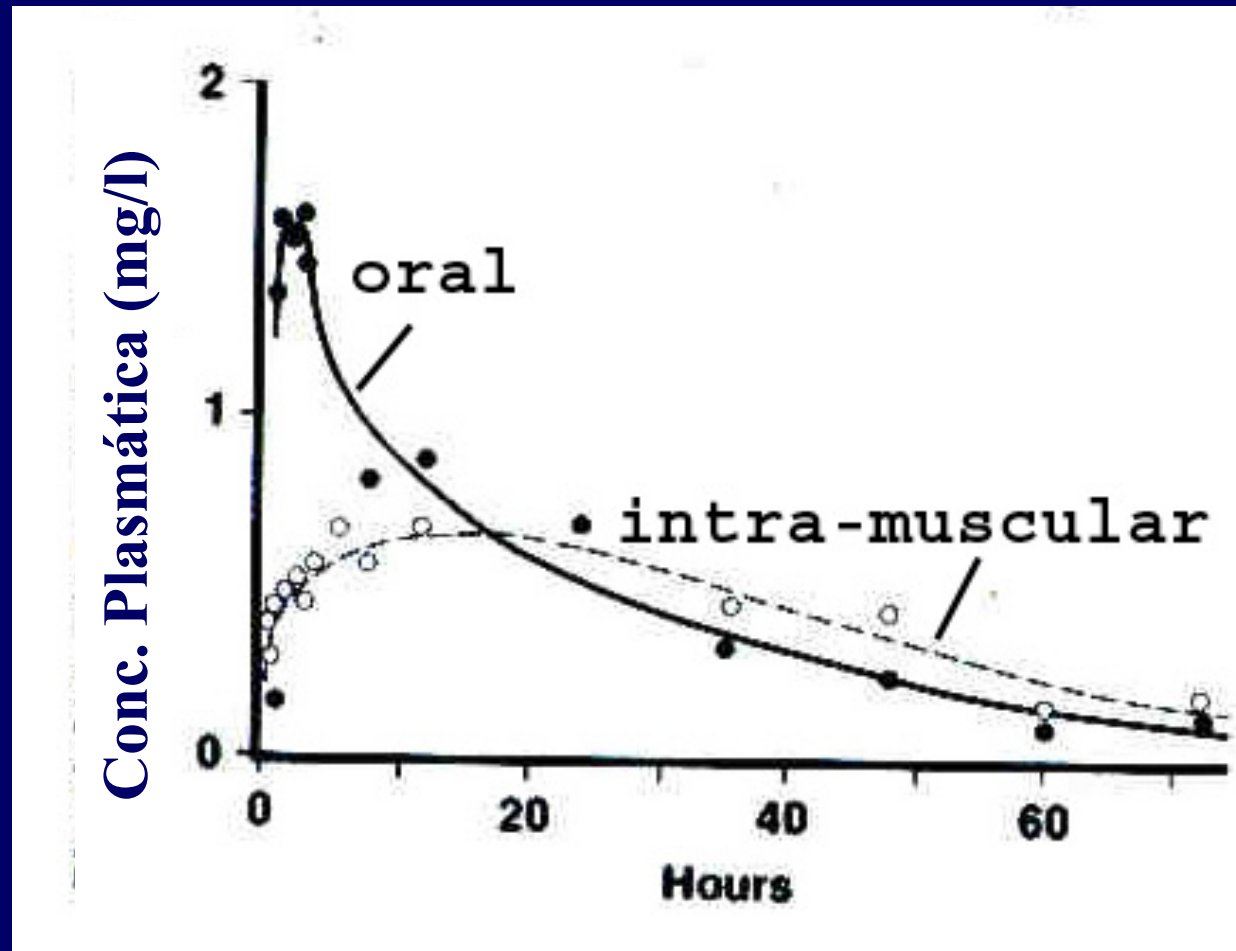


Transtornos associados à ansiedade: tratamentos de escolha

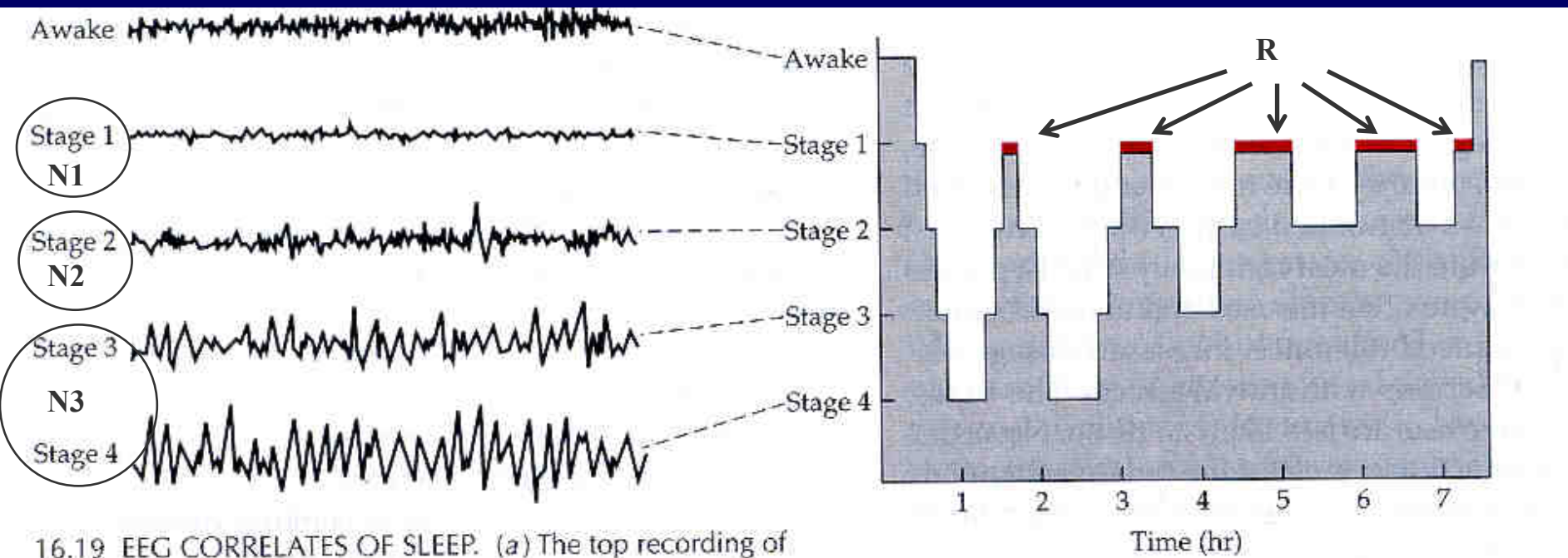
- | | |
|---|-----------------------------|
| • Ansiedade generalizada | BZD, Buspirona, ISRS |
| • Pânico | ISRS |
| • T. obsessivo-compulsivo | ISRS |
| • Estresse pós-traumático | ISRS |
| • Estresse agudo | ? |
| • Fobia simples | - |
| • Ansiedade (fobia) social | ISRS |
| • Agorafobia sem T. de pânico | ISRS |
| • Ansiedade devido a condição médica geral | ? |
| • Ansiedade induzido por substâncias químicas | ? |
| • Ansiedade atípica | ? |

ISRS: inibidores seletivos de recepção de serotonina

Administração de diazepam oral vs. Intra-muscular



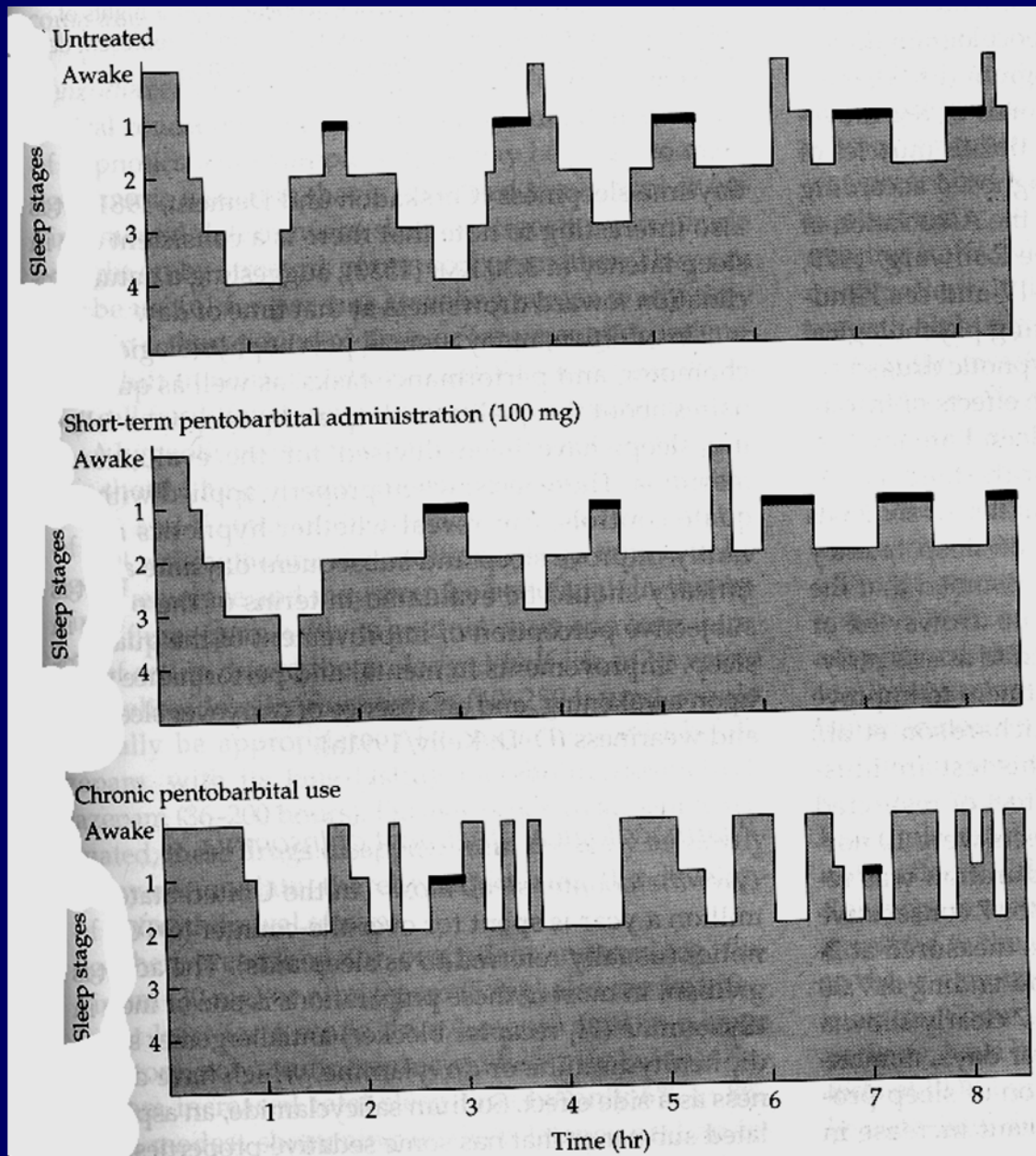
Sono “normal”



Tipos de insônia (Lader, 1990)

Tratamento

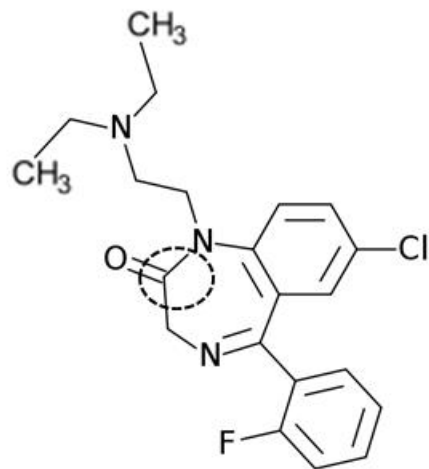
- | | |
|---------------------------------------|-------------------|
| 1. Secundária a problema físico | Problema primário |
| 2. Secundária a problema psiquiátrico | Problema primário |
| 3. Aguda, transitória | Hipnótico |
| 4. Crônica | ? |



Efeito de barbitúrico no sono

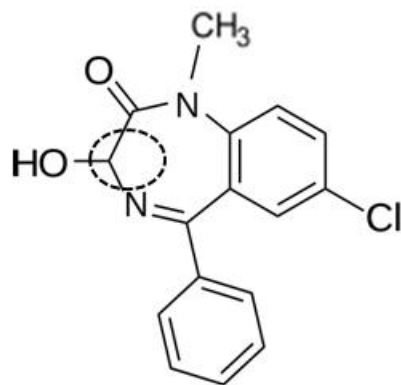
Hipnóticos benzodiazepínicos

2-ceto



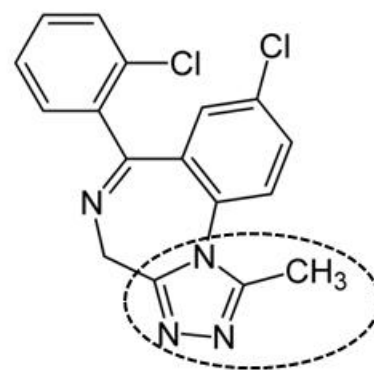
Flurazepam

3-hidróxi



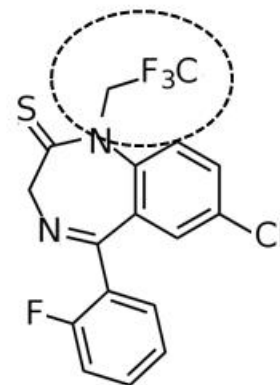
Temazepam

Triazolo



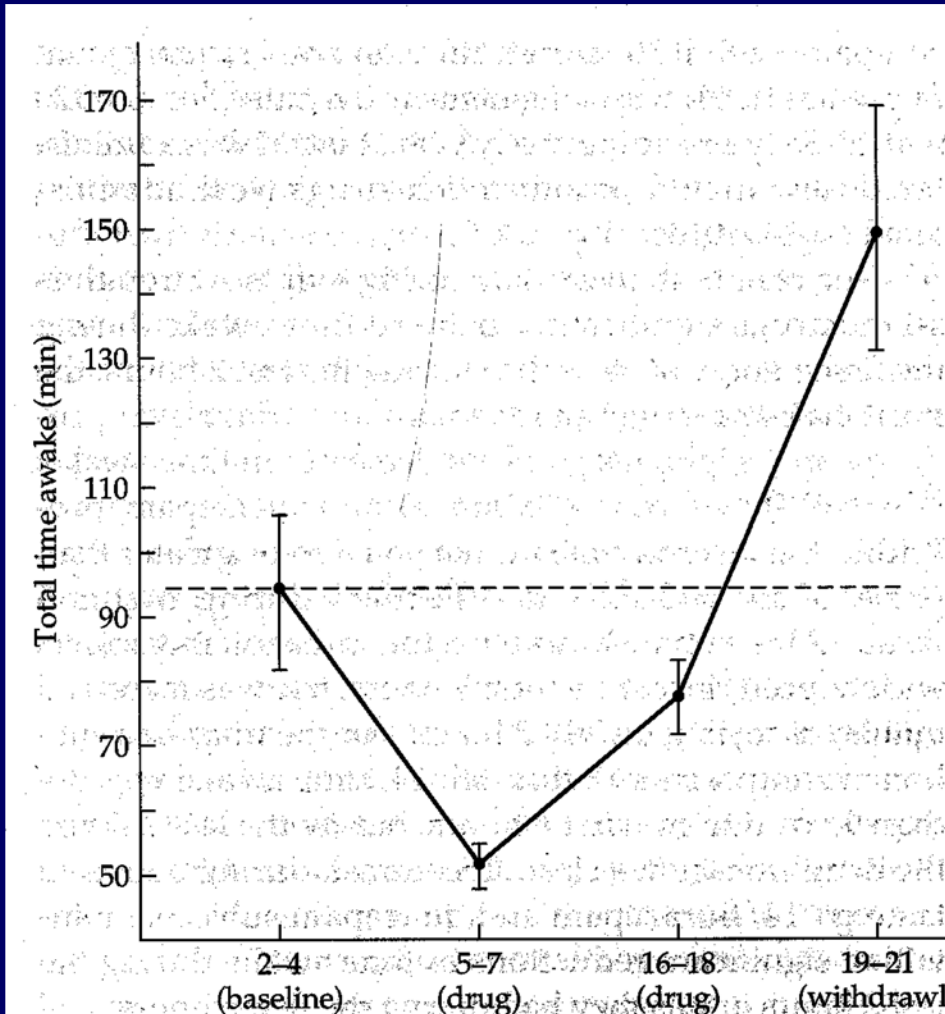
Triazolam

Trifluoretil



Quazepam

Efeito do triazolam no sono



- ↓ latência
- ↑ estágio N2
- ↑ eficiência do sono
- ↓ sono ondas lentas (N2)
- ↓ sono REM

Tolerância
“Rebote”

Índice de eficiência do sono: $\text{tempo em (N1 + N2 + N3 + R)} / \text{tempo na cama}$

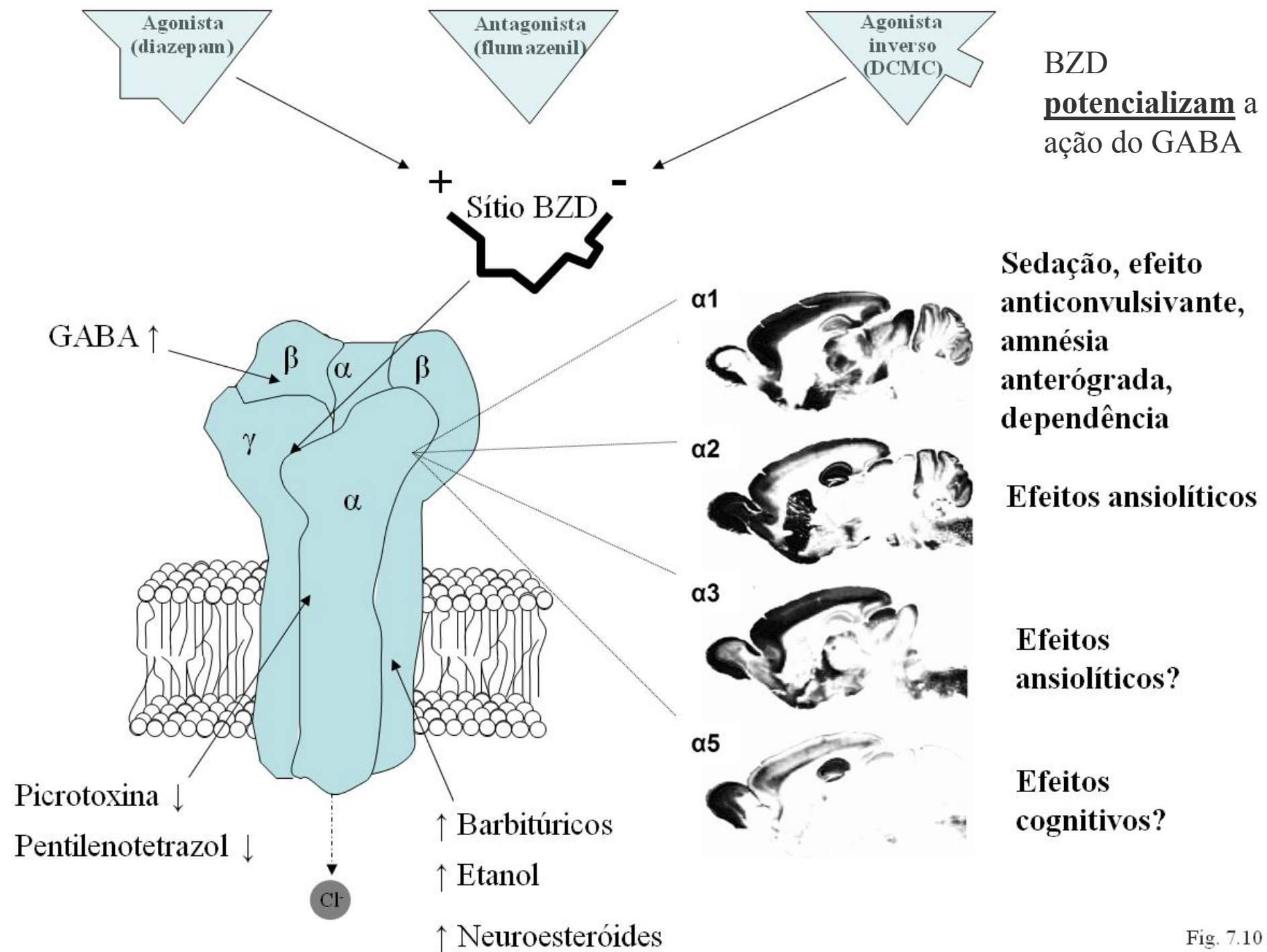
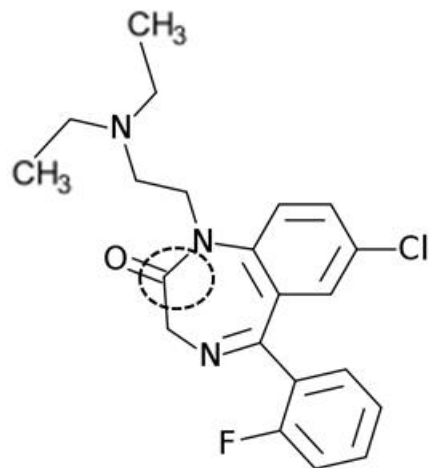


Fig. 7.10

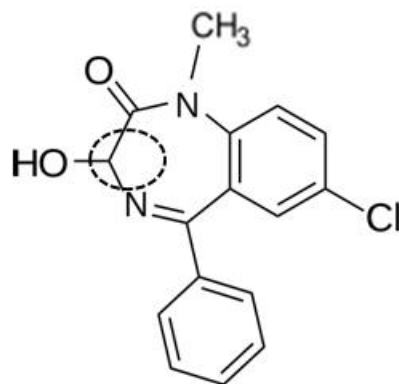
Hipnóticos benzodiazepínicos

2-ceto



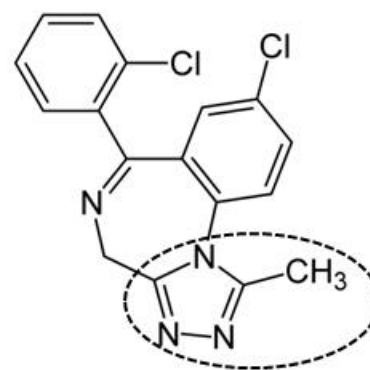
Flurazepam

3-hidróxi



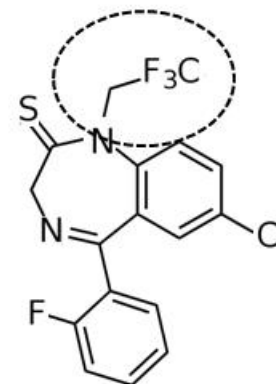
Temazepam

Triazolo



Triazolam

Trifluoretil



Quazepam



Longa duração



Média duração

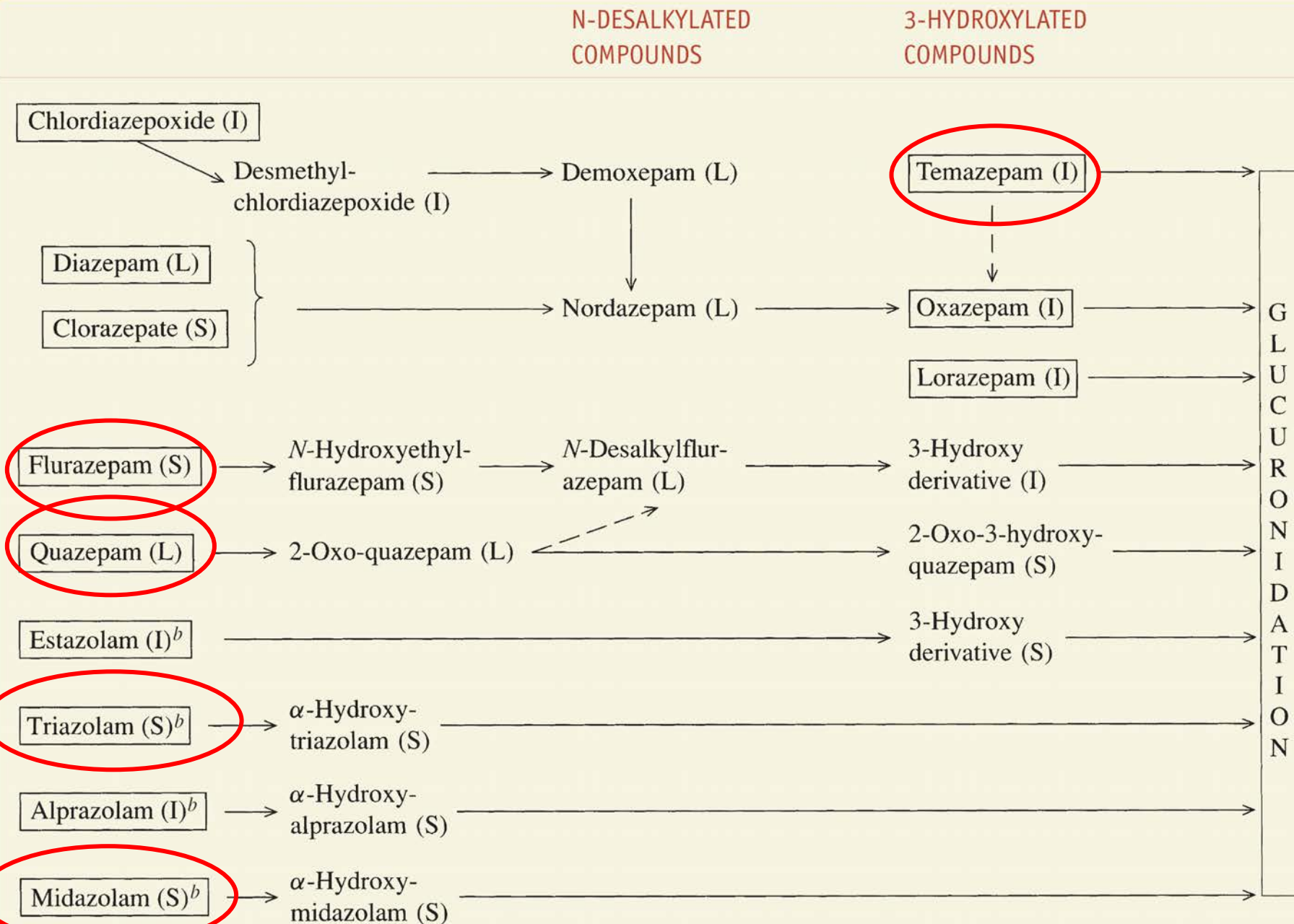


Curta duração

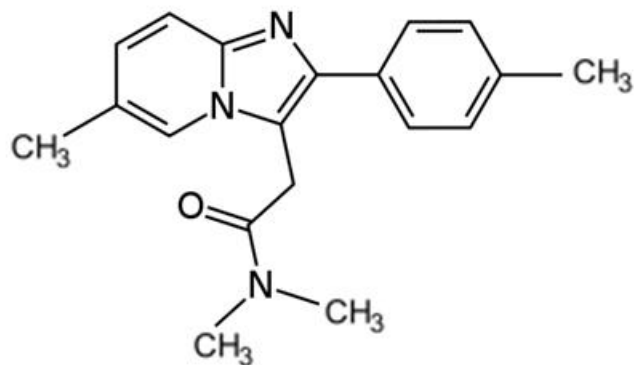


Longa duração

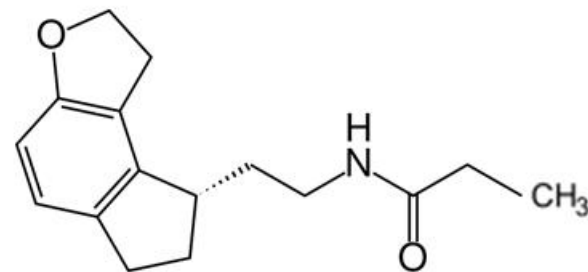
Major Metabolic Relationships among Some of the Benzodiazepines^a



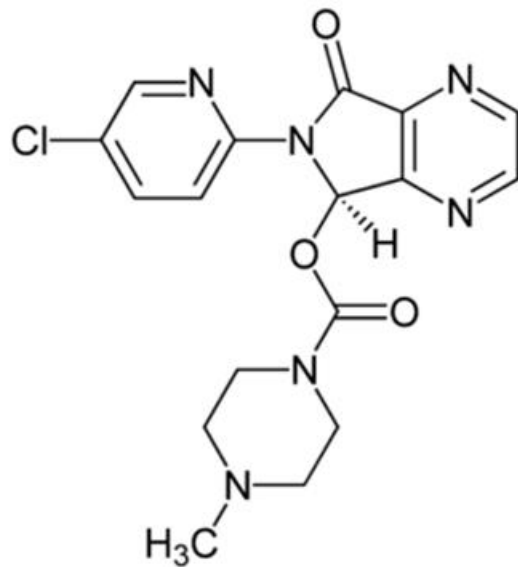
Hipnóticos não-benzodiazepínicos



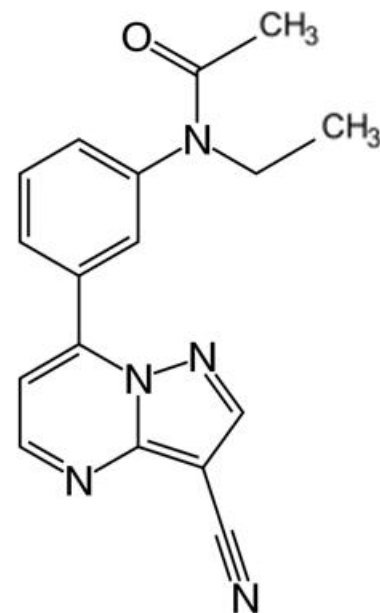
Zolpidem



Ramelteon



Zopiclona

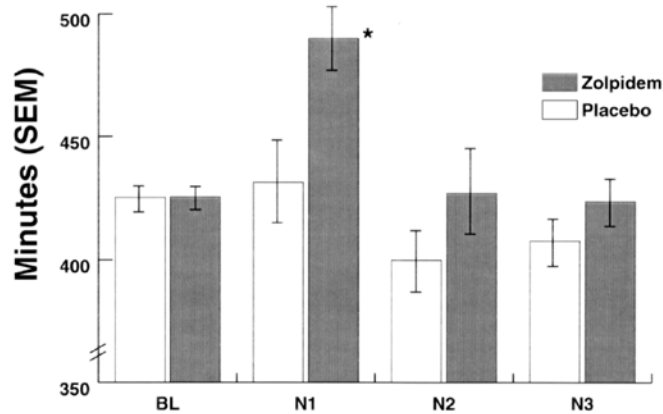


Zaleplona

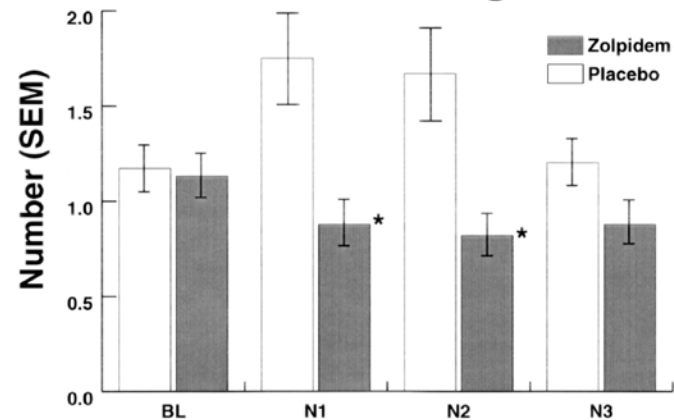
Zolpidem reduces the sleep disturbance of jet lag

Andrew O. Jamieson^{a,*}, Gary K. Zammit^b, Richard S. Rosenberg^c,
Jeffrey R. Davis^d, James K. Walsh^e Sleep Med 2001

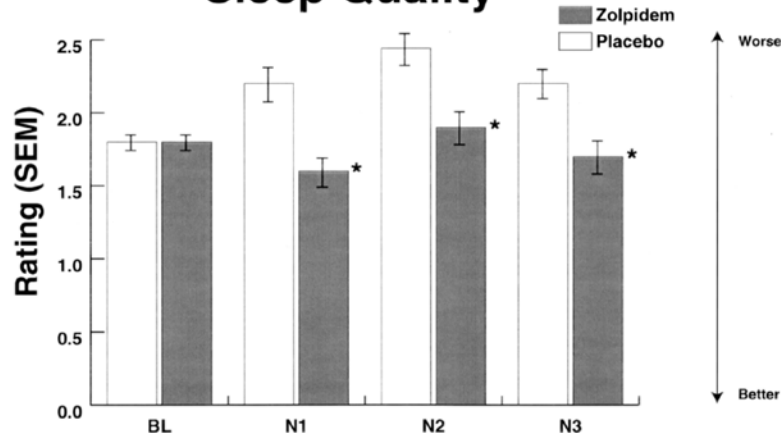
Total Sleep Time



Awakenings



Sleep Quality



Zolpidem 10mg nas
primeiras 3 noites após
viajar de 5-9 zonas the
horário

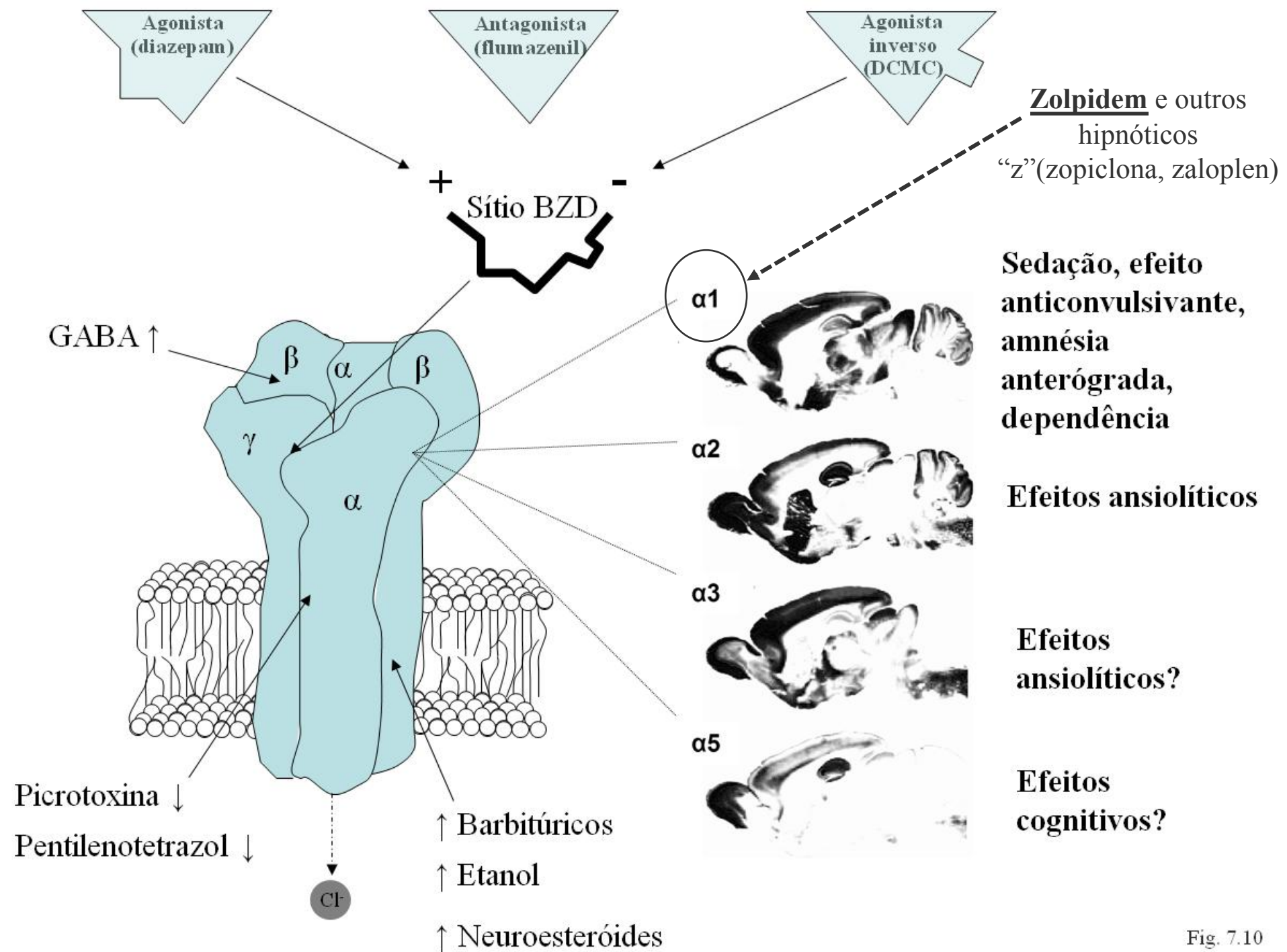


Fig. 7.10

Efeitos de hipnóticos Z sobre o sono

↓ latência
↑ estágio N2 e eficiência do sono
Menor interferência sobre sono
REM e N3
Menor Tolerância e “Rebote”
do que BZDs

TABLE 2
Summary of the effects of the different hypnotic drugs on the sleep architecture and their potential to induce dependence liability

Drug	Latency to Sleep Onset	Effect on NREM Sleep			Effect on REM Sleep	Sleep Efficiency	Dependence Liability
		Stage N1	Stage N2	Stage N3 also referred as SWS			
Benzodiazepines	↓	↓	↑	↓	↓	↑	High
Z-drugs	↓	↔	↑	↔	↔	↑	Moderate
Ramelteon	↓	↔	↑	↓	↔	↑	Low
Tasimelteon	↓	n.a.	n.a.	n.a.	↑	↑	Low
Melatonin prolonged-release	↓	↔	↔	↔	↔	↑	Low
Agomelatine	↓	↔	↔	↑	↔	↑	Low
Low-dose doxepin	↓	↔	↑	↔	↔	↑	Low
Suvorexant	↓	↔	↑	↔	↑	↑	Low
Trazodone	↔	↔/↓	↔/↓	↔/↑	↔/↓	↔	Low
Amitriptyline	↓	n.a.	n.a.	↑	↓	↑	Low
Quetiapine	↓	↔	↑	↔/↓	↓	↑	Low
Olanzapine	↓	↔	↔/↑	↑	↓/↔/↑	↑	Low
Gabapentin	↔	↔	↔	↑	↔	↑/↔	Moderate
Pregabalin	↓	↔	↔	↑	↓	↑	Moderate
Mirtazapine	↔	↓	↔	↑	↔	↑	Low

↑: Increase; ↓: decrease; ↔: no change. n.a.: not assessed.

Preços de hipnóticos (2011, para 20 comp.)

Hipnótico		Preço (R\$)
Diazepam	(Valium)	10,07
	Genérico	6,32
Flurazepam	Genérico	12,70
Midazolam	(Dormonid)	26,25
	Genérico	17,29
Zolpidem	(Stilnox)	58,03
	Genérico	37,10