



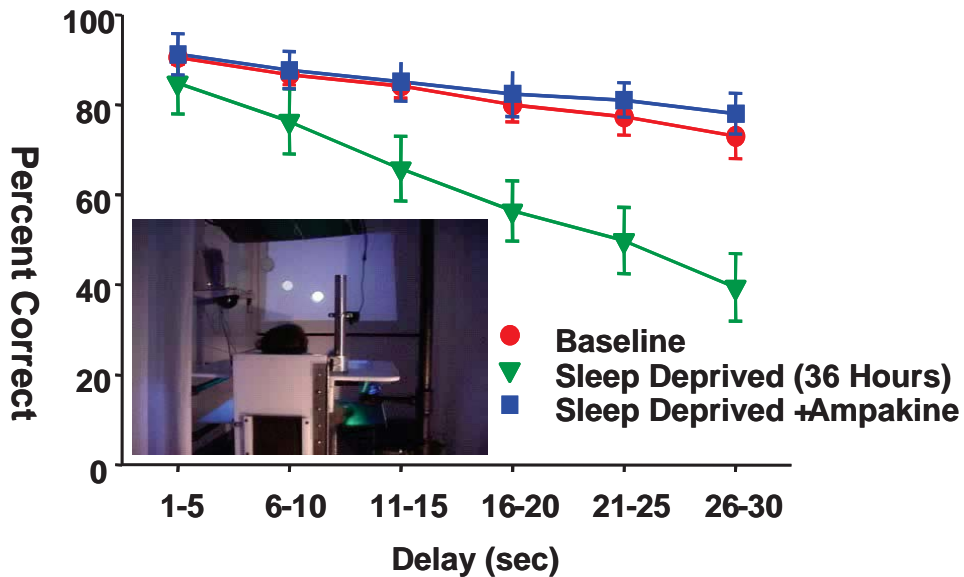
Preventing Sleep Deprivation

Program Goal:

To prevent the degradation of cognitive performance caused by sleep deprivation *experienced as a consequence of current operational paradigms.*



Preventing Sleep Deprivation

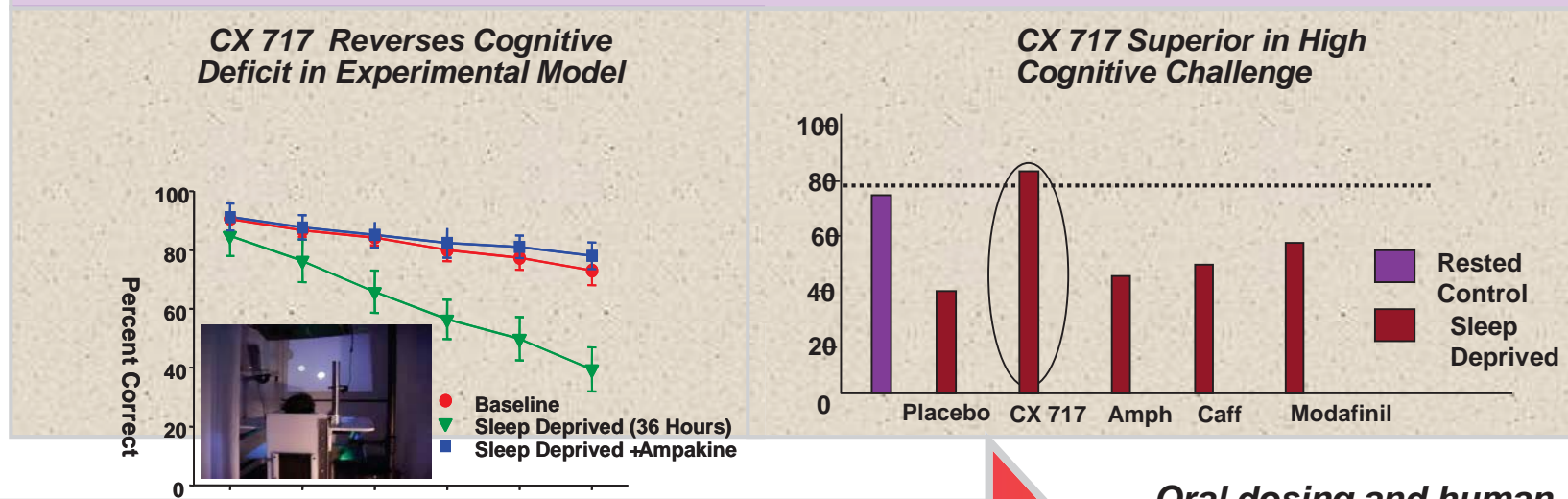




Preventing Sleep Deprivation

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CX 717 specifically enhances nerve signals disrupted by sleep deprivation



Ampakine CX 717 development under PSD Program

Neuro-chemistry of SD defined	Ampakine class reverses chemical changes	CX 717 identified as lead compound	CX 717 reverses cognitive dysfunction in primates	Phase I safety and dosing established in humans	CX 717 restores performance in humans (Phase 1B)	CX 717 superior to all other agents (primates)	Phase II clinical trials at WRAIR
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From identification of mechanism to military trials in four years

Oral dosing and human safety established: no "stimulant" side effects

Phase II Human Clinical Trial at WRAIR: enrollment complete