

III Congresso Internazionale "ADDICTION: new evidences from Neuroimaging and Brain Stimulation"

*D-TMS Studio e ricerca sulla stimolazione magnetica transcranica nel
supporto alla cura della tossicodipendenza e della prevenzione delle
recidive*

Responsabile scientifico: Prof. Marco Diana, Laboratorio di Neuroscienze Cognitive "G.Minardi"
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Centro Collaborativo: Dr. Mariano Pedetti Responsabile Ser.T. Marsciano (PG) AUSL 2 Umbria.

13 Novembre 2012 Verona, ITALY

- Ser.T Marsciano Perugia–AUSL 2 Umbria

C.I.-→ Dr. M. Pedetti

- *Patients-→ Cocaine-dependent (treatment-seeking)*
- *Status-→ active, CE approved (onset Dec 2010/Jan 2011)*
- *Objectives-→ cocaine-taking, cocaine-craving (long-term), prolactin (pre vs. post)*
- *Treatment: D-TMS (h-coil-pfcx bilateral-sham controlled-double-blind)*

Stimulation parameters

Amplitude (% motor threshold) 110

Frequency (Hz) 1 (low frequency group); 10 Hz (high frequency group)

Train Duration (sec) 900 (low frequency group); 3 (high frequency group)

Trains/Session 1 (low frequency group); 40 (high frequency group)

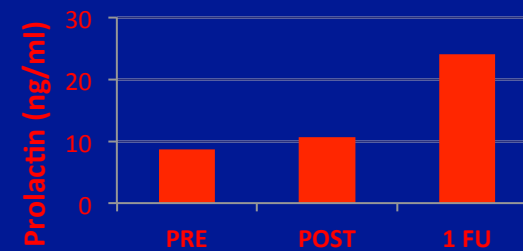
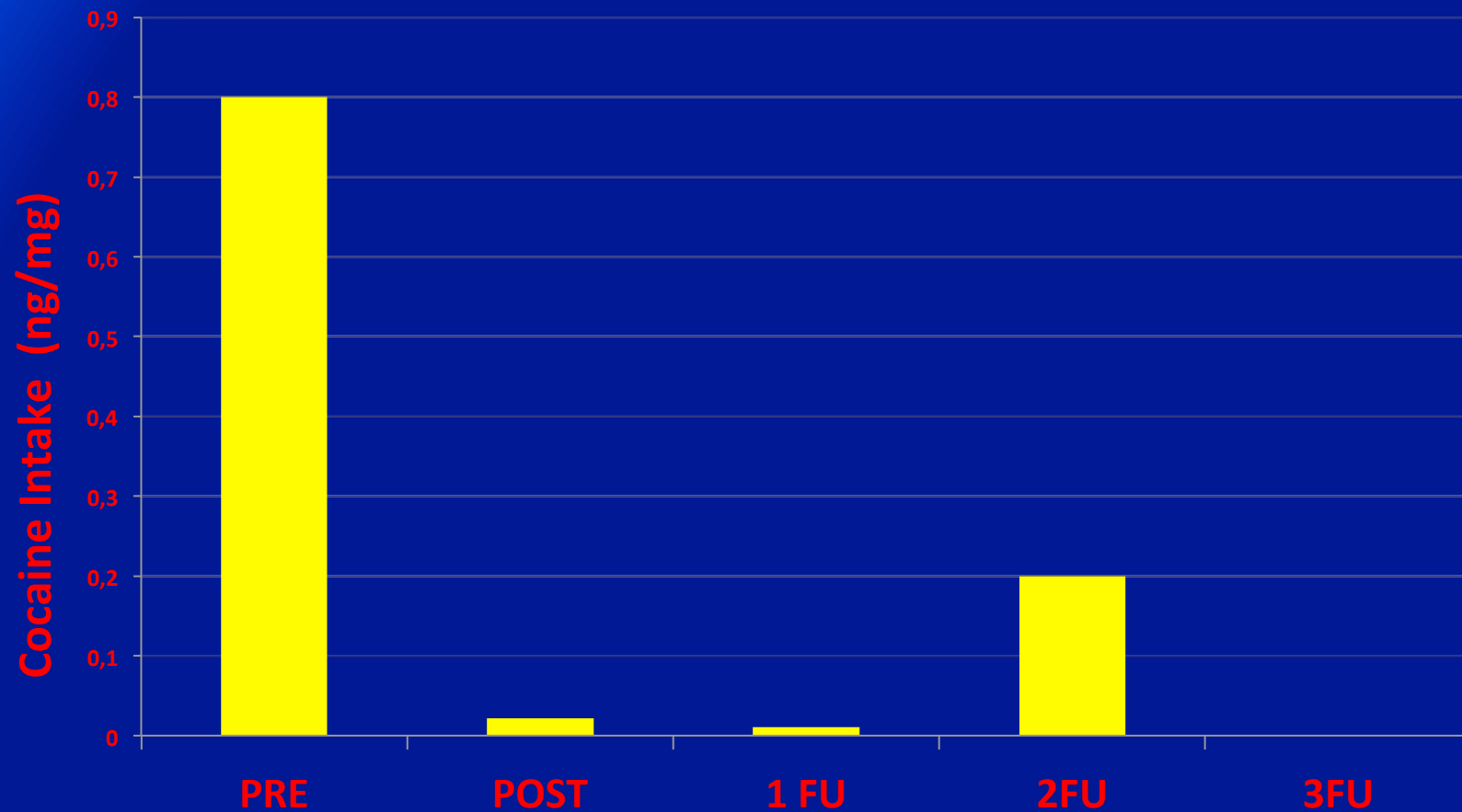
Time between trains (sec) 20 (high frequency group)

number of pulses/session 900 (low frequency group); 1200 (high frequency group)

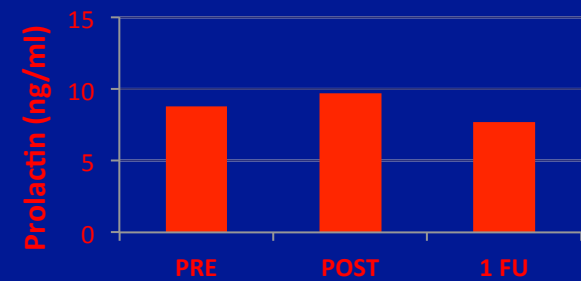
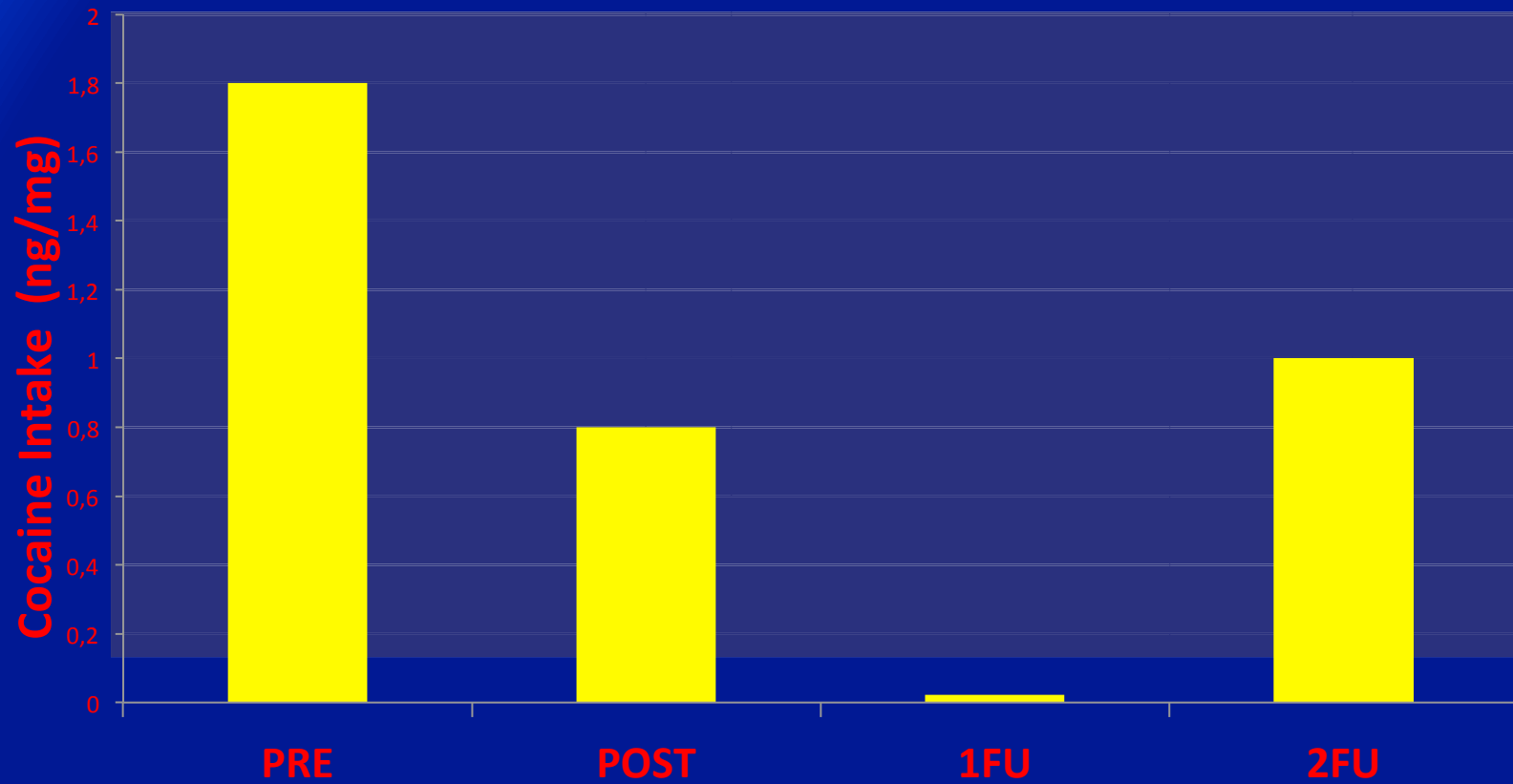
Length of each daily rTMS session 15 minutes (low or high frequency groups).

Length of treatment 4 weeks (3 times/week)

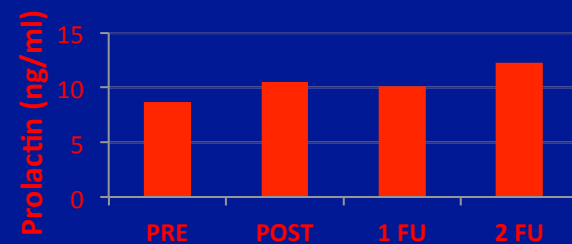
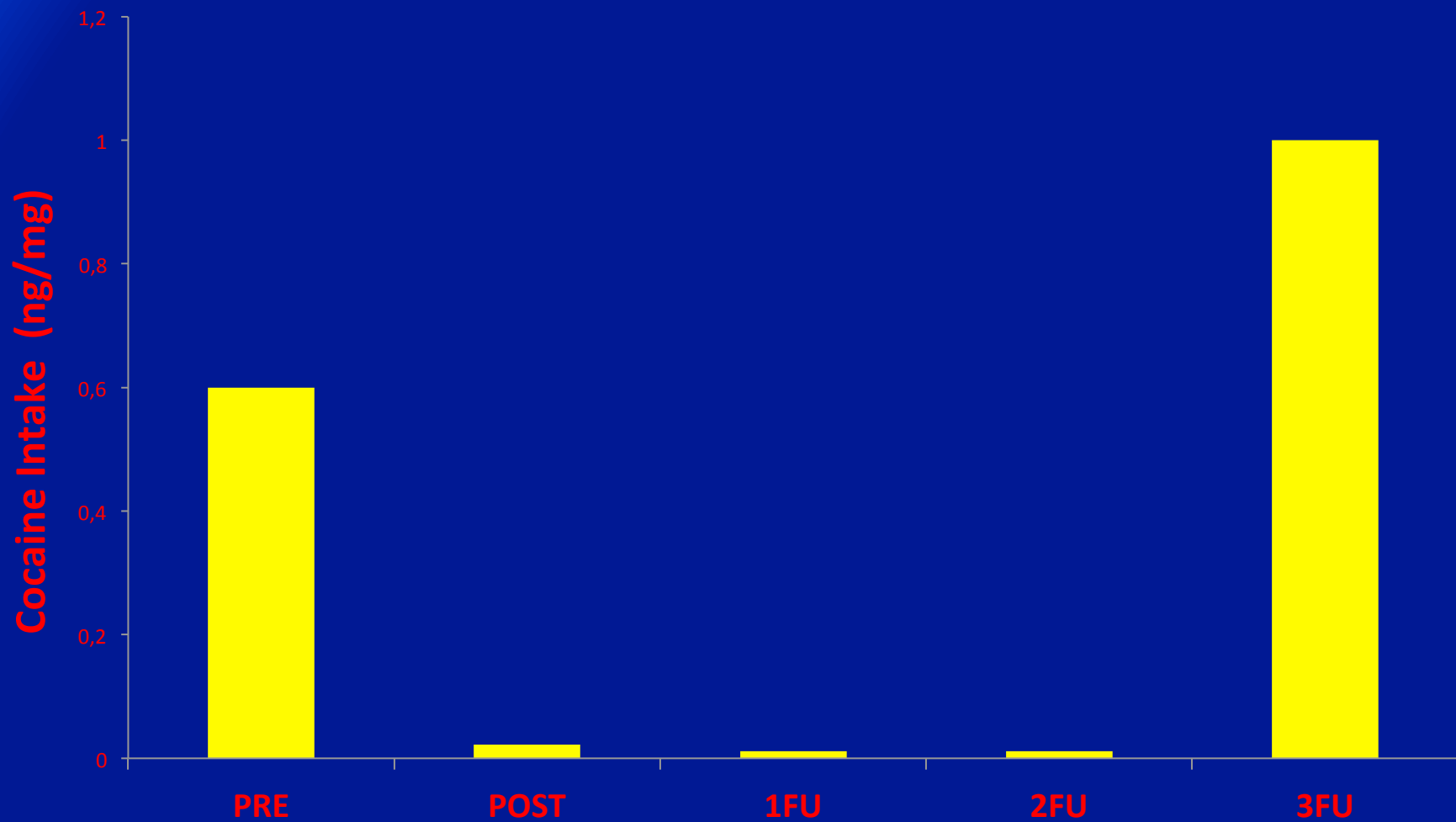
PZ 001 (478-F) HF (10Hz)



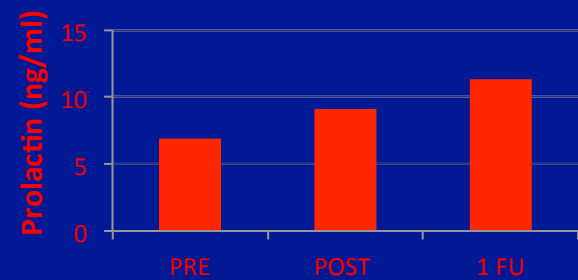
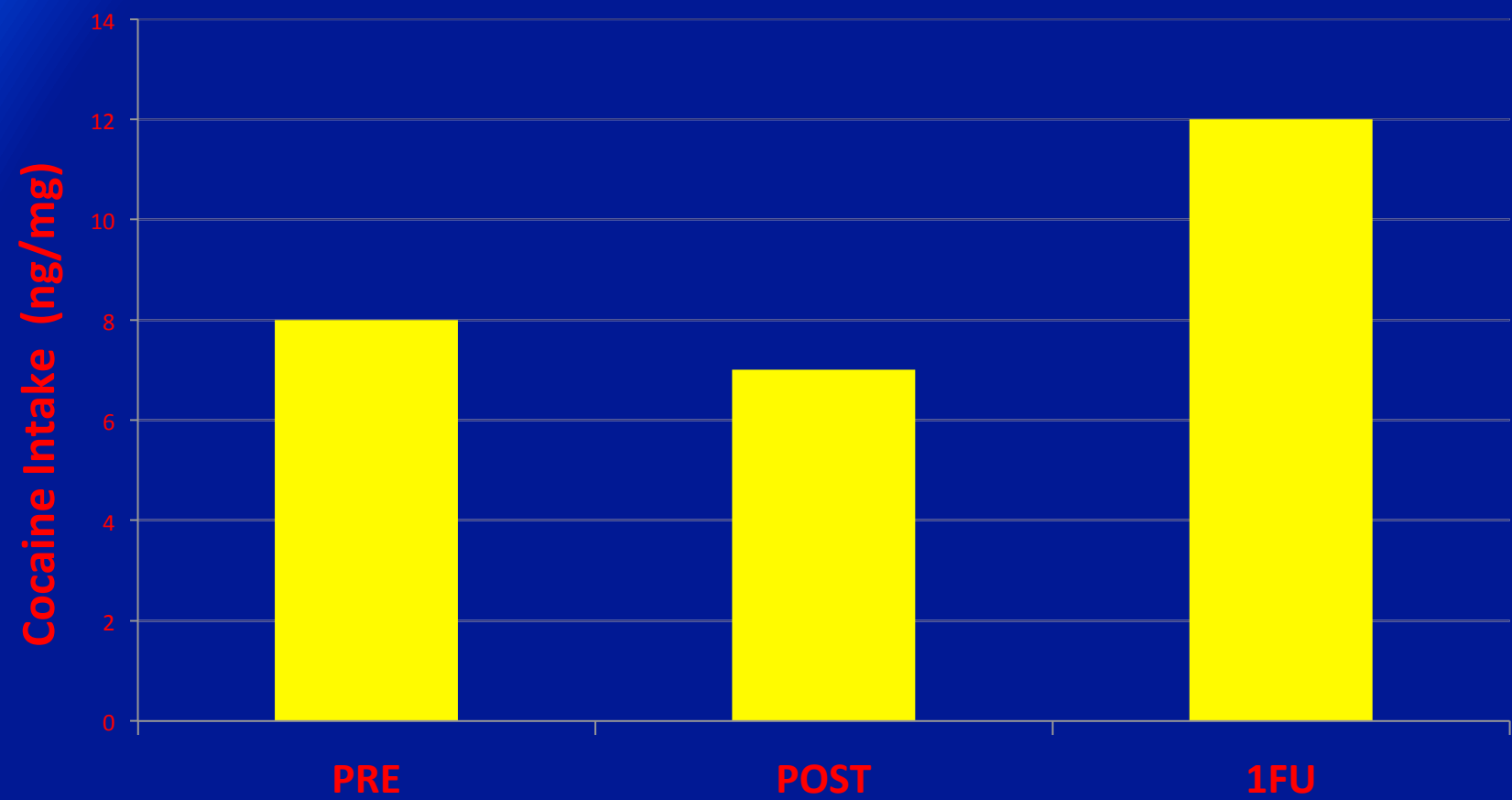
PZ 002 (328-M) HF (10Hz)



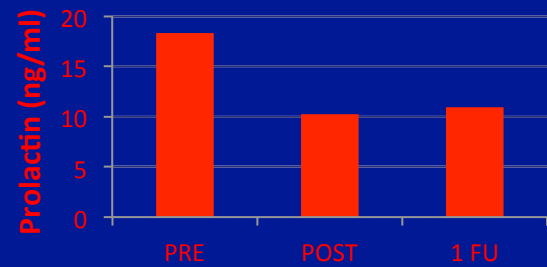
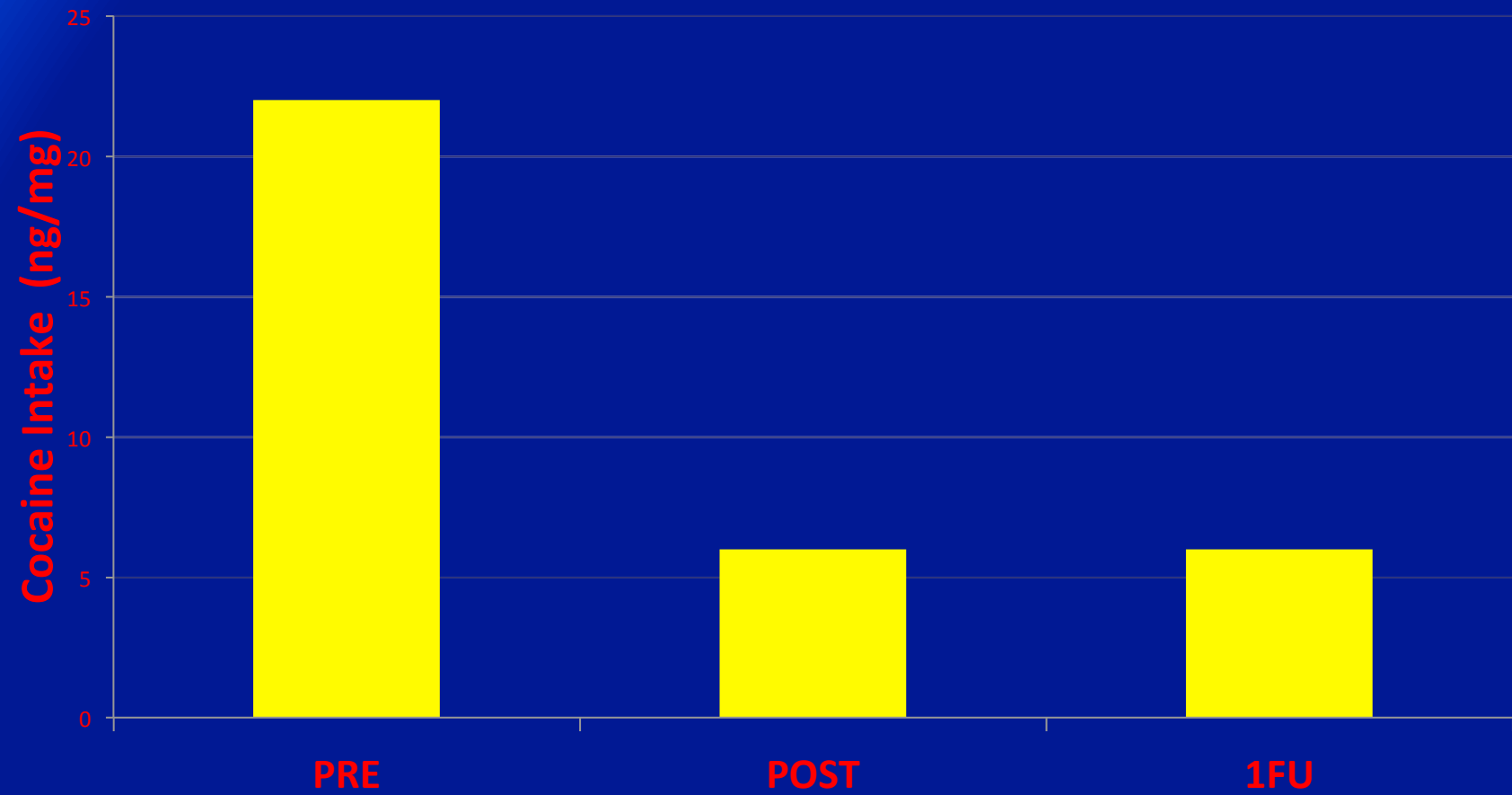
PZ 003 (358-M) SHAM



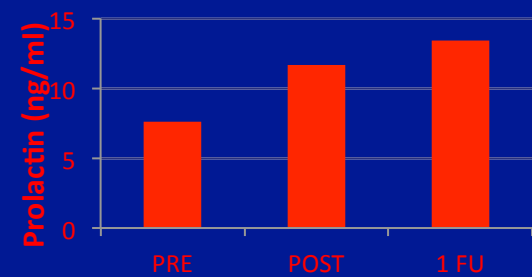
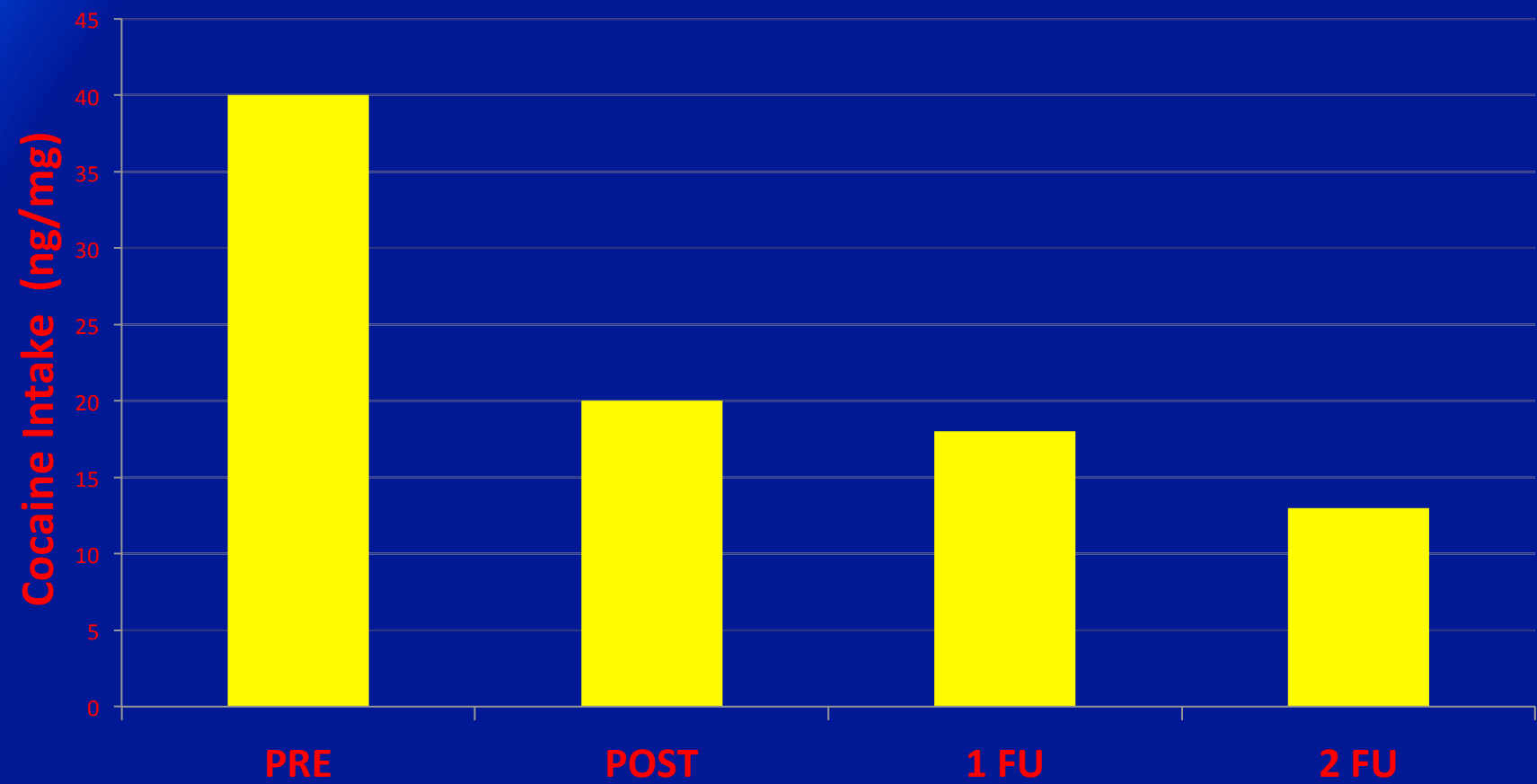
PZ 004 (197-M) HF (10Hz)



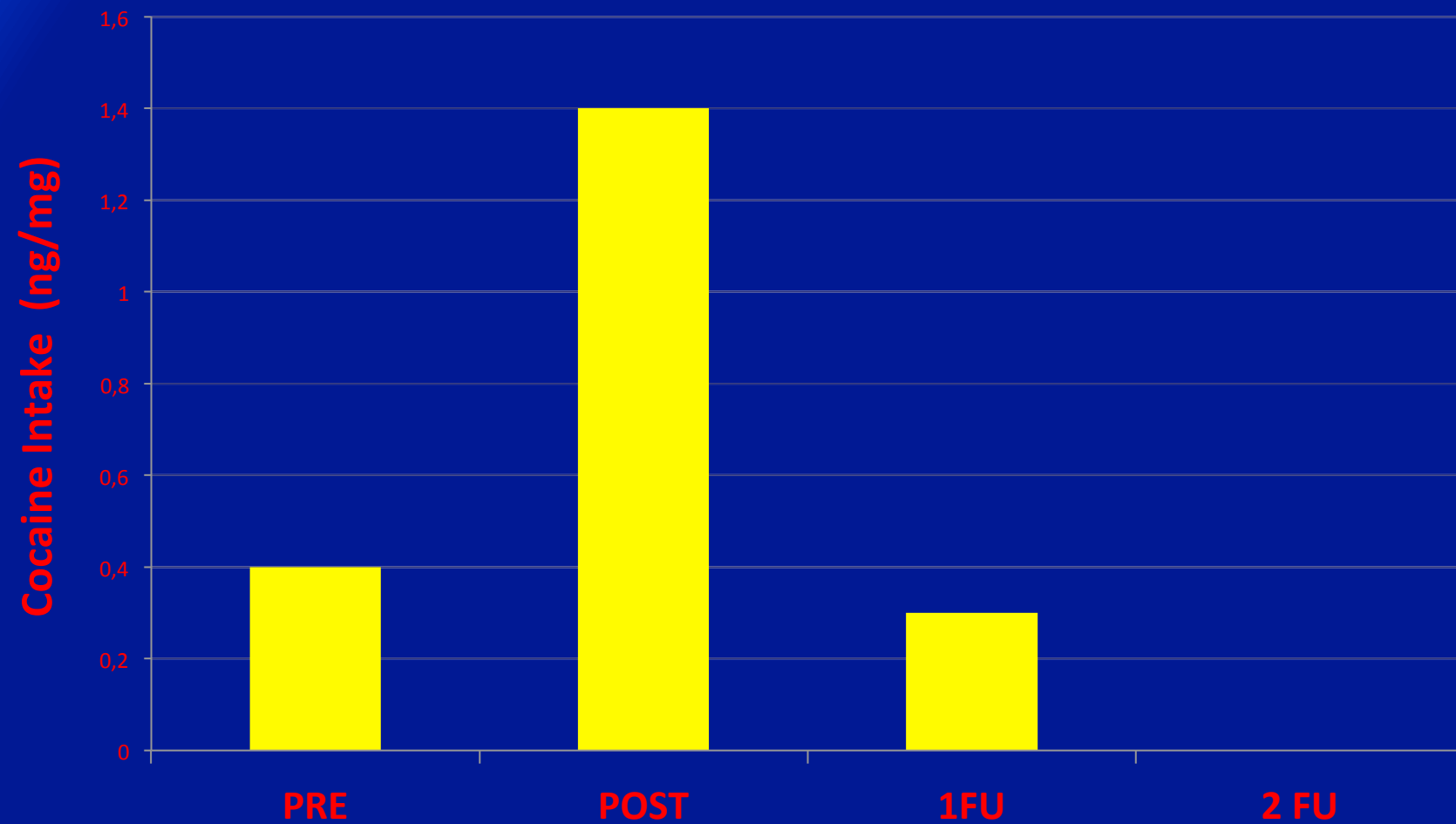
PZ 005 (551-M) HF (10Hz)



PZ 006 (552-M) HF (10HZ)



PZ 007 (553-M) HF (10Hz)



HF PATIENTS (n=6)

