



A new approach to  
treat clenching habit

Muscle Deprogrammer



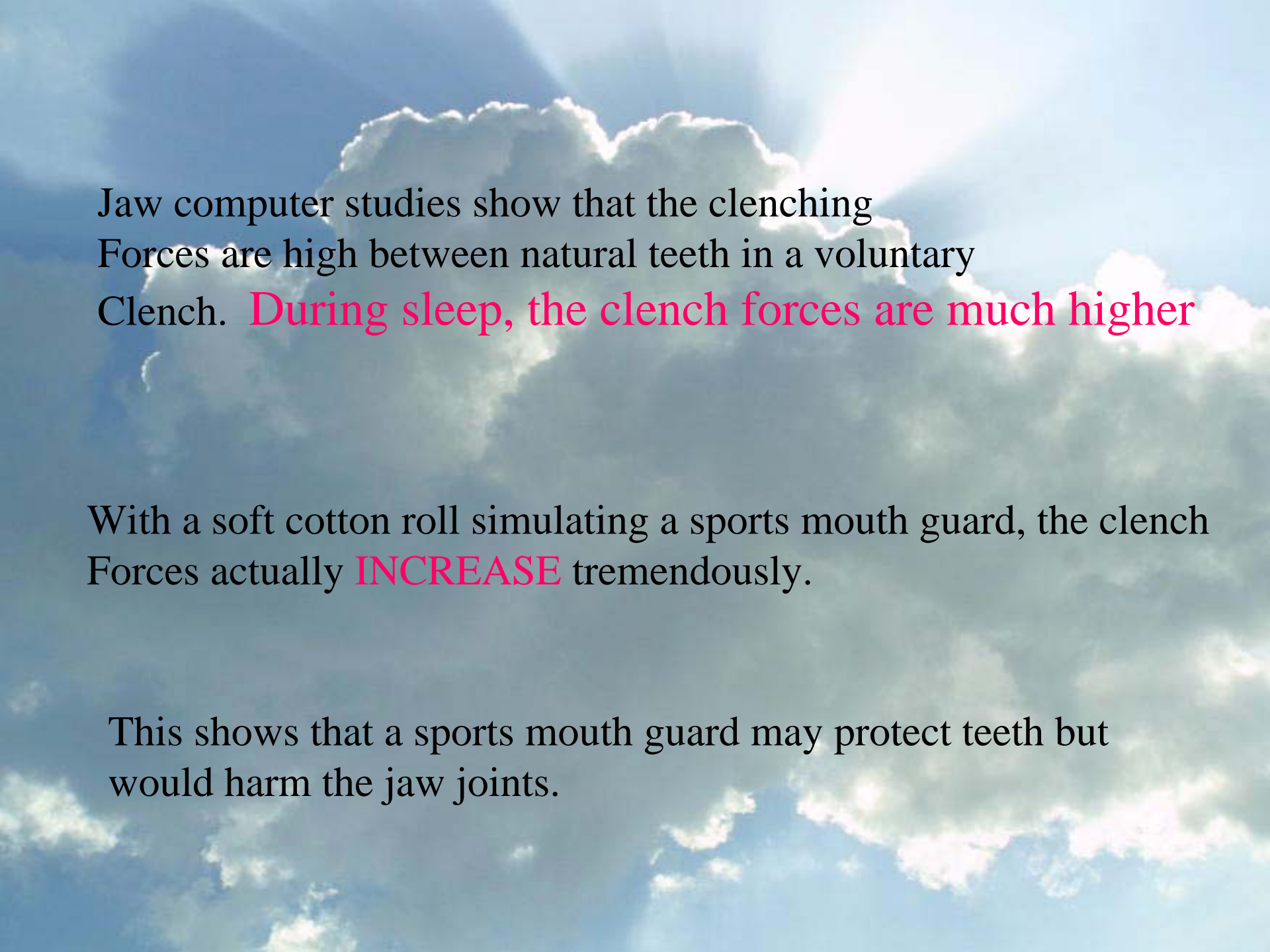
This guest had severely worn teeth and fractures also.



The cusp tips were worn



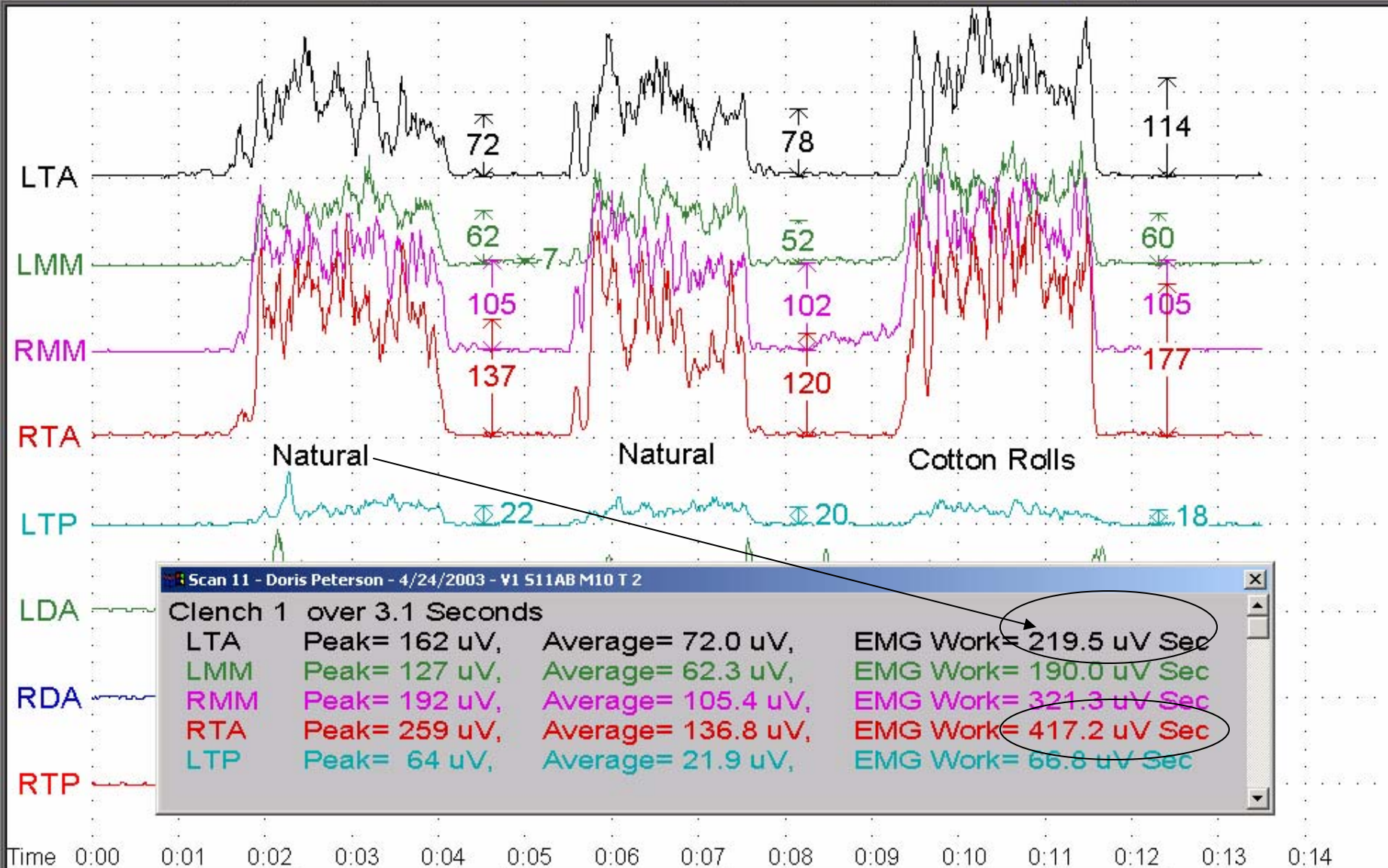
The cusp tips were worn



Jaw computer studies show that the clenching Forces are high between natural teeth in a voluntary Clench. **During sleep, the clench forces are much higher**

With a soft cotton roll simulating a sports mouth guard, the clench Forces actually **INCREASE** tremendously.

This shows that a sports mouth guard may protect teeth but would harm the jaw joints.



Scan 11 - Doris Peterson - 4/24/2003 - V1 511AB M10 T 2

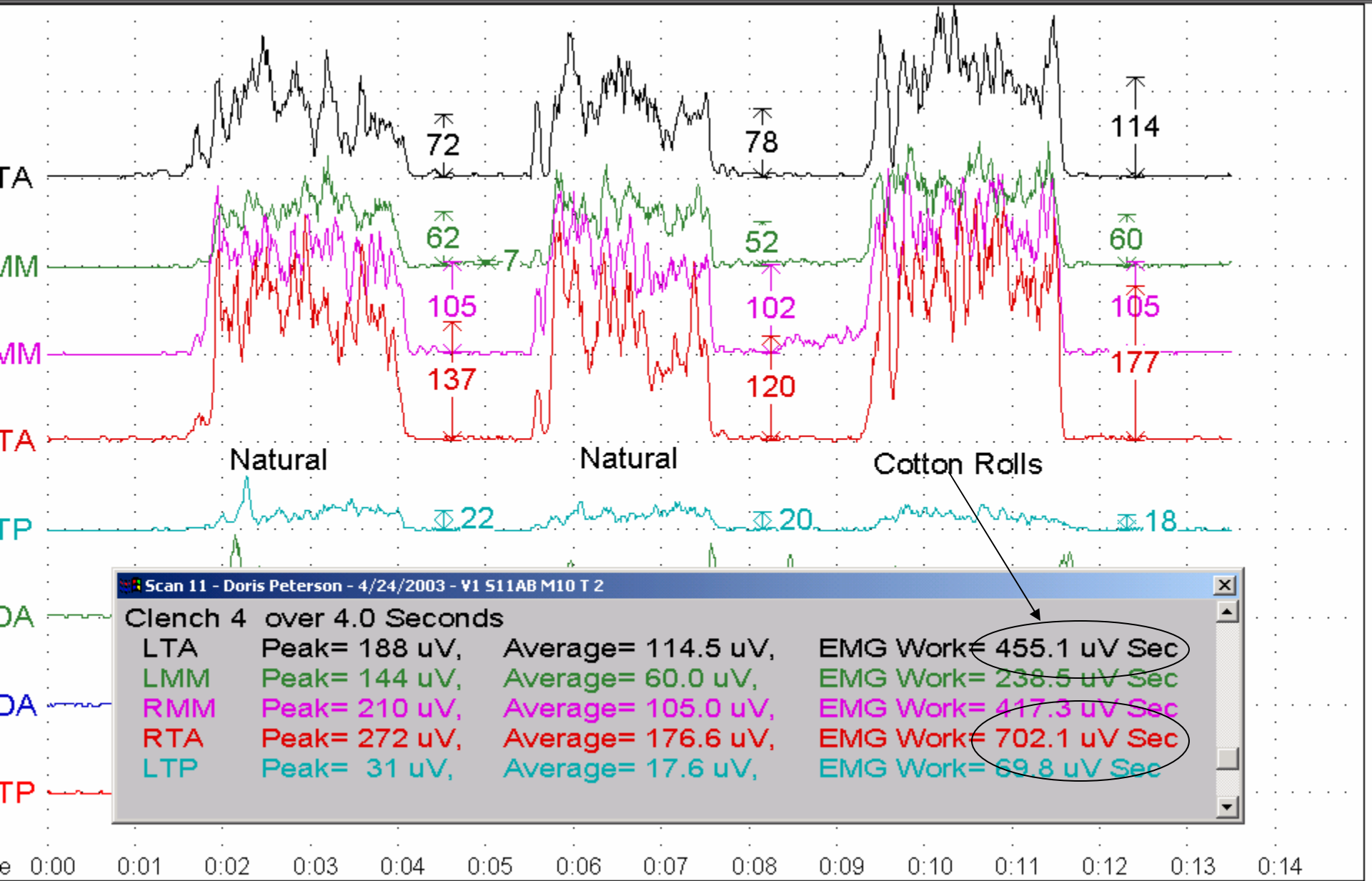
Clench 1 over 3.1 Seconds

LTA	Peak= 162 uV,	Average= 72.0 uV,	EMG Work= 219.5 uV Sec
LMM	Peak= 127 uV,	Average= 62.3 uV,	EMG Work= 190.0 uV Sec
RMM	Peak= 192 uV,	Average= 105.4 uV,	EMG Work= 321.3 uV Sec
RTA	Peak= 259 uV,	Average= 136.8 uV,	EMG Work= 417.2 uV Sec
LTP	Peak= 64 uV,	Average= 21.9 uV,	EMG Work= 66.8 uV Sec

Time 0:00 0:01 0:02 0:03 0:04 0:05 0:06 0:07 0:08 0:09 0:10 0:11 0:12 0:13 0:14

EMG= 100 Set AB Speed= 1.0

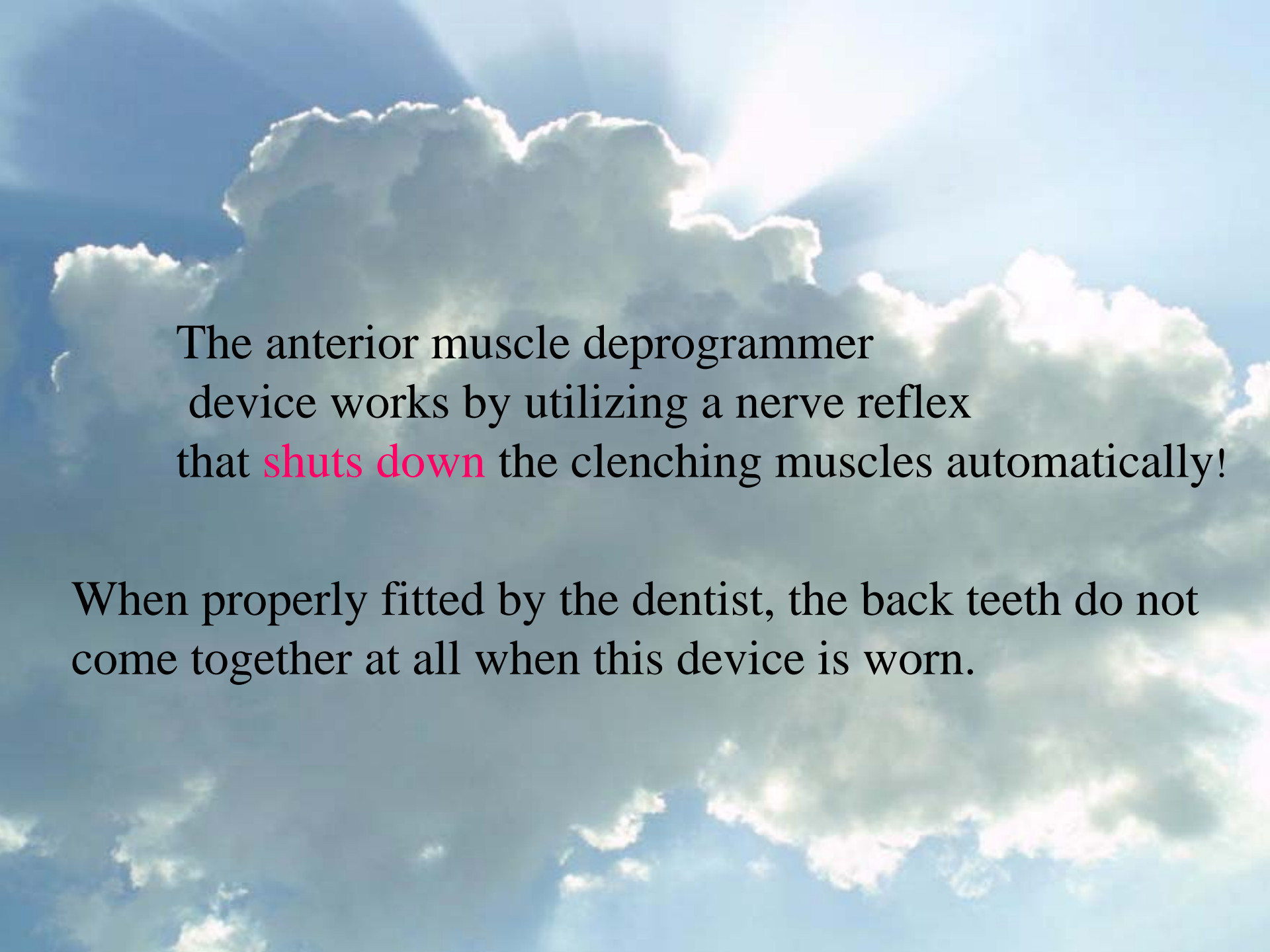
Beam OFF



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Clench 4 over 4.0 Seconds

LTA	Peak= 188 uV,	Average= 114.5 uV,	EMG Work= 455.1 uV Sec
LMM	Peak= 144 uV,	Average= 60.0 uV,	EMG Work= 238.5 uV Sec
RMM	Peak= 210 uV,	Average= 105.0 uV,	EMG Work= 417.3 uV Sec
RTA	Peak= 272 uV,	Average= 176.6 uV,	EMG Work= 702.1 uV Sec
LTP	Peak= 31 uV,	Average= 17.6 uV,	EMG Work= 69.8 uV Sec



The anterior muscle deprogrammer device works by utilizing a nerve reflex that **shuts down** the clenching muscles automatically!

When properly fitted by the dentist, the back teeth do not come together at all when this device is worn.



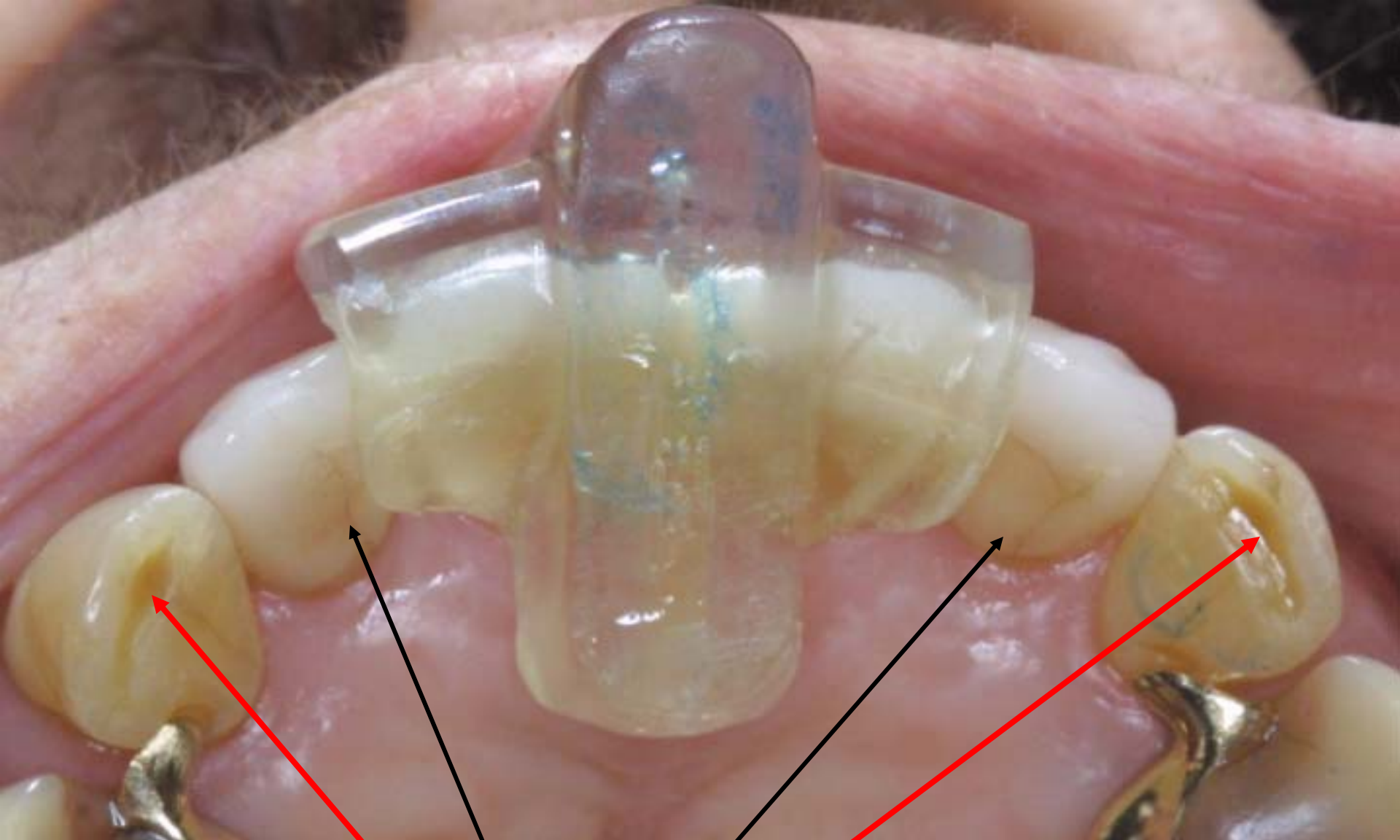


This device is fairly small. It is worn at bedtime.

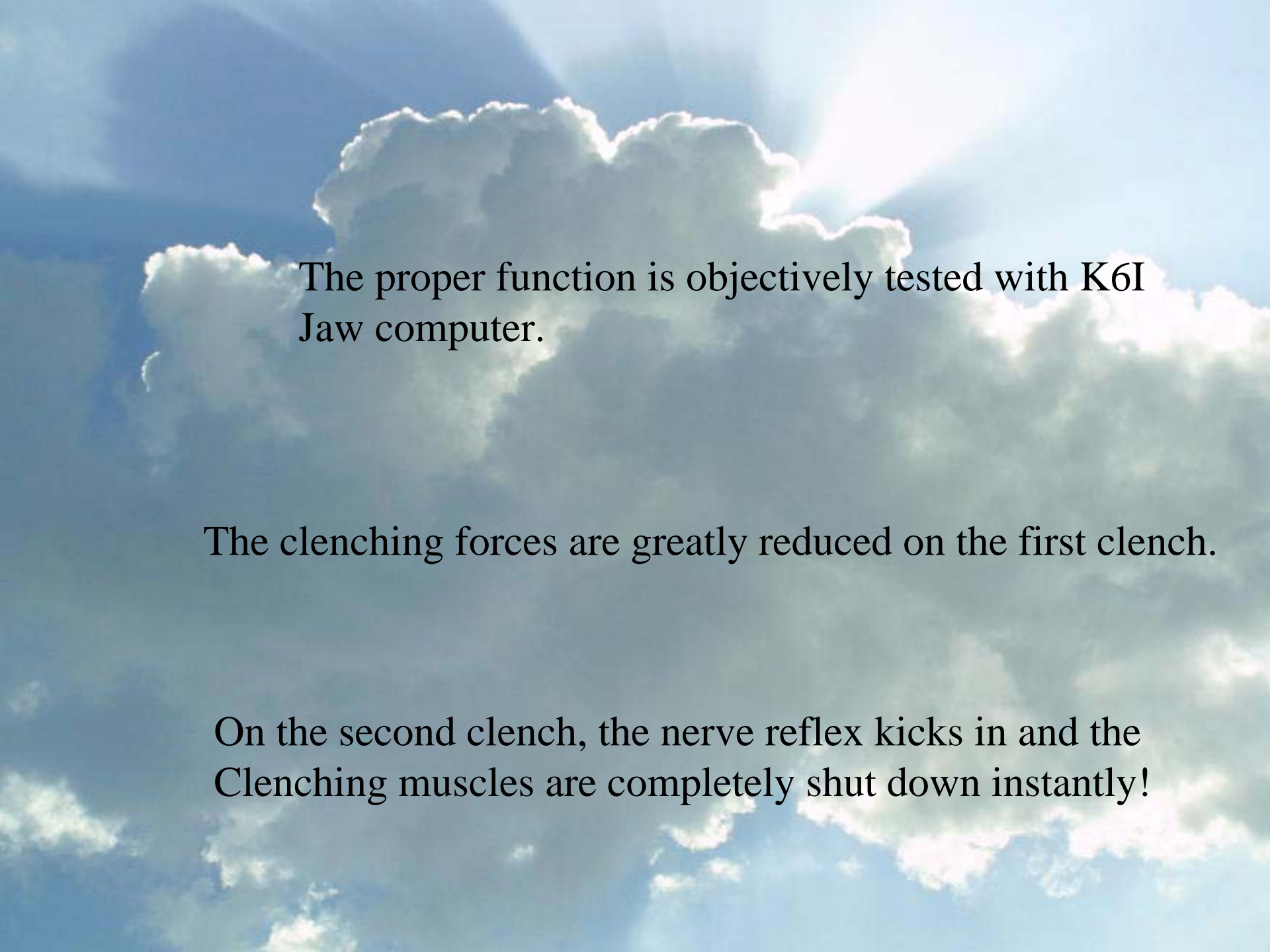


Back teeth are kept separated





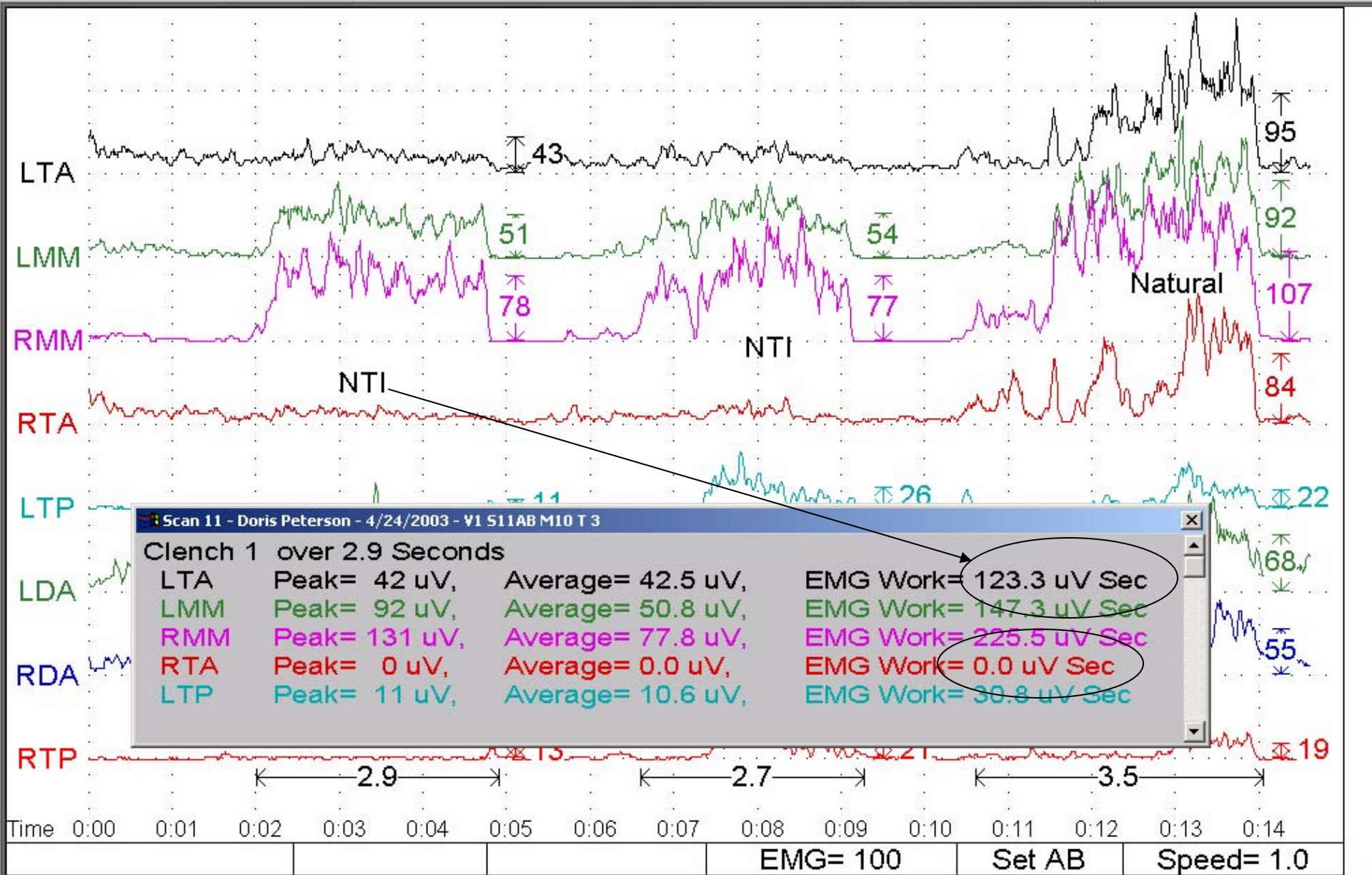
Severe wear and fracture lines are visible



The proper function is objectively tested with K6I  
Jaw computer.

The clenching forces are greatly reduced on the first clench.

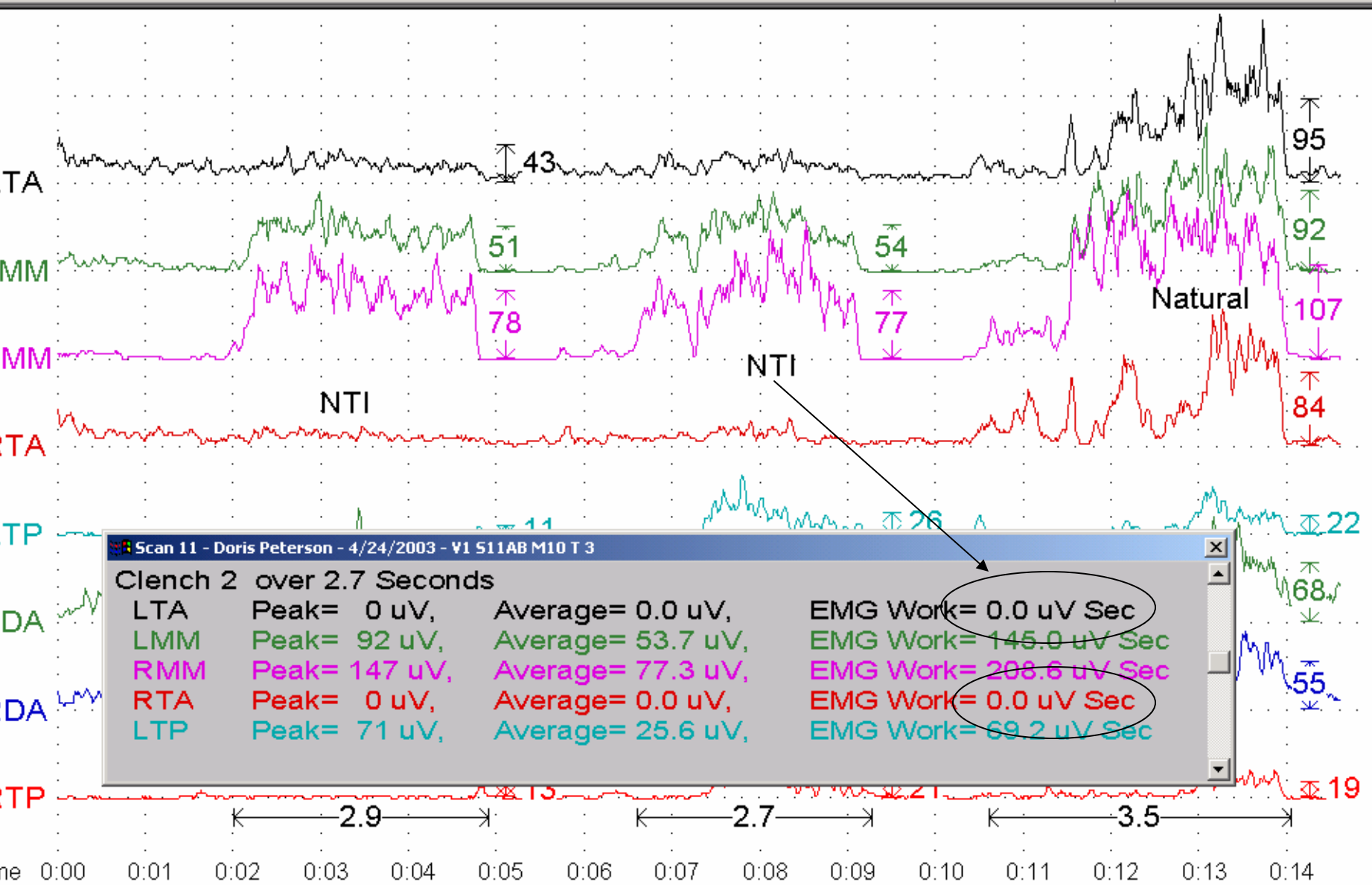
On the second clench, the nerve reflex kicks in and the  
Clenching muscles are completely shut down instantly!



Scan 11 - Doris Peterson - 4/24/2003 - V1 S11AB M10 T 3

Clench 1 over 2.9 Seconds

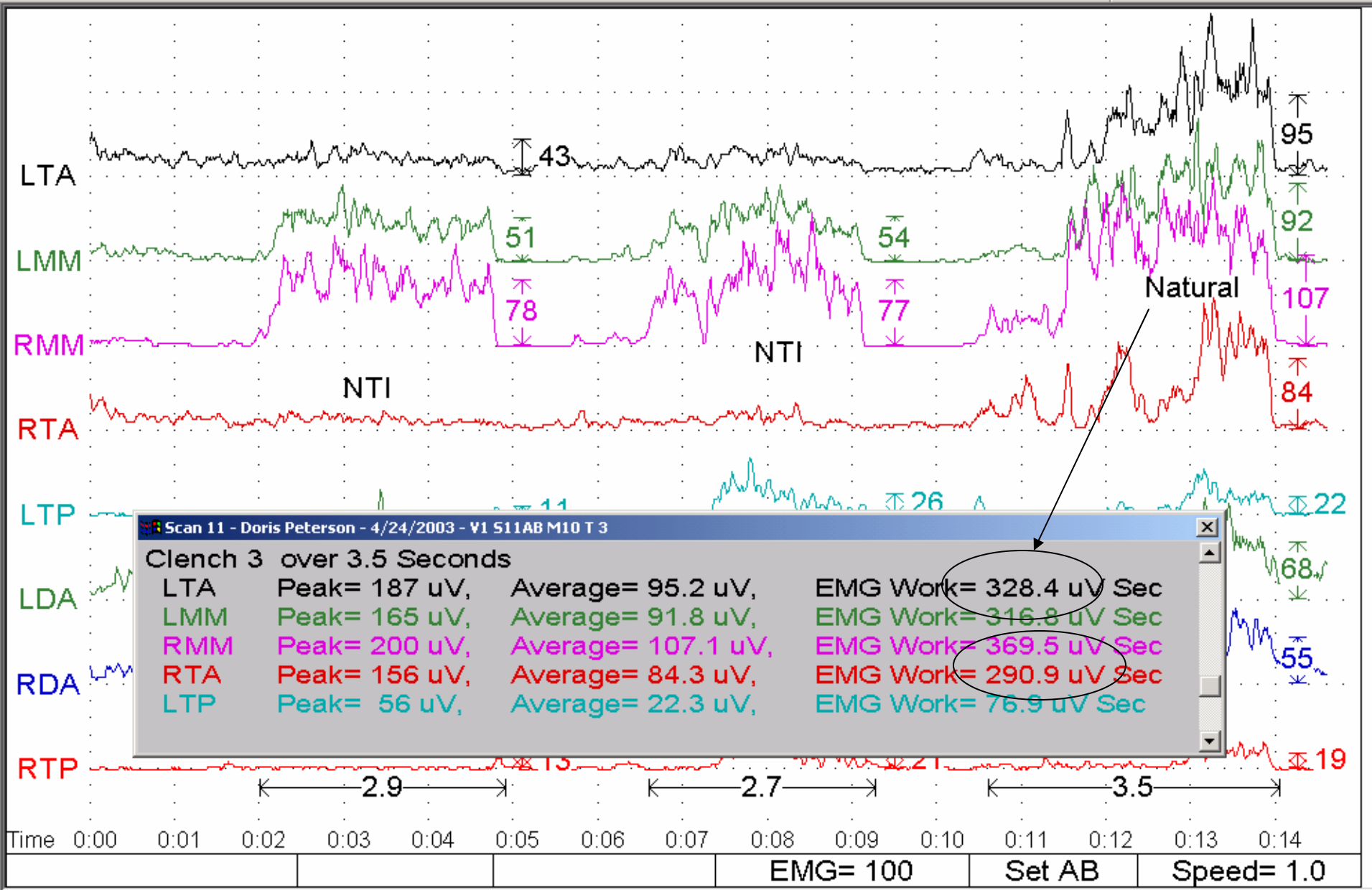
Channel	Peak	Average	EMG Work
LTA	42 uV	42.5 uV	123.3 uV Sec
LMM	92 uV	50.8 uV	147.3 uV Sec
RMM	131 uV	77.8 uV	225.5 uV Sec
RTA	0 uV	0.0 uV	0.0 uV Sec
LTP	11 uV	10.6 uV	30.8 uV Sec



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**Clench 2 over 2.7 Seconds**

LTA	Peak= 0 uV,	Average= 0.0 uV,	EMG Work= 0.0 uV Sec
LMM	Peak= 92 uV,	Average= 53.7 uV,	EMG Work= 145.0 uV Sec
RMM	Peak= 147 uV,	Average= 77.3 uV,	EMG Work= 208.6 uV Sec
RTA	Peak= 0 uV,	Average= 0.0 uV,	EMG Work= 0.0 uV Sec
LTP	Peak= 71 uV,	Average= 25.6 uV,	EMG Work= 69.2 uV Sec



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Clench 3 over 3.5 Seconds

Channel	Peak (uV)	Average (uV)	EMG Work (uV Sec)
LTA	187	95.2	328.4
LMM	165	91.8	316.8
RMM	200	107.1	369.5
RTA	156	84.3	290.9
LTP	56	22.3	76.9





Protect your teeth from  
wear and fractures

With the Muscle Deprogrammer