



Official Report of the study:

The application of a new home protocol of Low Level Laser Therapy in the treatment of the pain associated to the temporomandibular disorders.
Randomized, double blind, placebo controlled clinical trial.

The Unit of Dental Clinic, under the supervision of Professor Umberto Romeo, and the Unit of Temporo Mandibular Joint Pathology, under the supervision of Professor Carlo Di Paolo were encharged by the Department of Dental and Maxillo Facial Sciences of Sapienza University of Rome to perform a study about a new home protocol of Low Level Laser Therapy (LLLT) for the treatment of the pain associated to the temporomandibular disorders.

Dr Alessandro Del Vecchio, Dr Armando Boccassini and Miss Miriam Fioravanti were encharged to perform the enrollment, the instruction and the evaluation of the patients.

The study is performed with the collaboration of the Good Energies (Haifa, IL) which supplies on free loan 4 B Cure low level lasers. Two of these devices were prepared by the same manufacturer, devoid of the main diode source, to be used as placebo devices.

The study design previews the application of 2 home low level laser applications a day for 7 consecutive days. The evaluation of pain is performed twice, the day 1 and the day 7, through the Visual Numeric Scale.

Ninety patients affected by TMJD, subdivided randomly into three groups (n=30), are the patients cohort of the study; Group A effective low level laser home treatment, Group B the placebo laser treatment and Group C the conventional drugs therapy control.

A statistical and mathematical analysis closes the study.

A final publication on a Scientific Journal of the results of the study is previewed.

Professor Umberto Romeo

A handwritten signature in black ink, appearing to read 'U. Romeo'.

Professor Carlo Di Paolo

A handwritten signature in black ink, appearing to read 'C. Di Paolo'.