

**STRUCTURAL CHANGES  
INDUCED ON CUTANEOUS  
TISSUE AFTER TREATMENT  
WITH TECHNIQUE LPG:  
AN HISTOLOGICAL  
PRELIMINARY REPORT**

**D.INNOCENZI , S. TENNA, N. SCUDERI,  
S. CALVIERI**

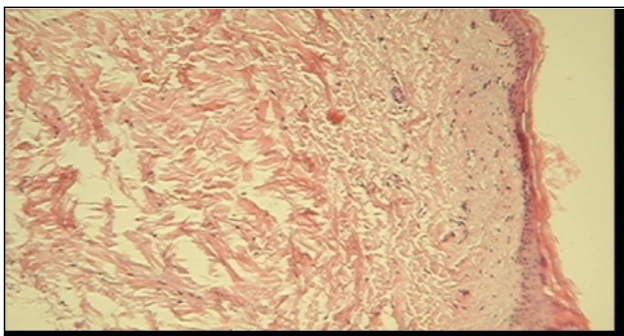
*University La Sapienza, Rome, Italy*

The genuine medical devices Cellu M6® patented by *LPG Systems* deliver the Technique LPG widely used in various therapeutic indications which always have signs of troubles of connective tissues like: scars after burns, post radiation fibrosis, lymphedema, troubles in wound healing process, etc... as a common denominator.

In order to explore its mechanism of action, an experimental study about mini-pigs from Yucatan at Vanderbilt University from Nashville (Tennessee) by Pr. NANNEY's team, shown that the Technique LPG (Endermologie®) induces important changes of composition and structure of subcutaneous tissues, particularly in term of production of collagen organized with horizontal stripes in deep dermis.

**Main results:**

Control untreated area:



From a clinical point of view, these histological changes have been accompanied with an increased suppleness during the palpation of the treated cutaneous tissues.

No abnormal sign of tissue fibrosis has been consequently noted after the treatment by Technique LPG. In order to verify if these experimental data could be confirmed on human tissues, patients intended to have plastic surgery (like abdominal or thigh liposuction, lipoplasty) have been previously treated with 15 sessions of Technique LPG (Endermologie®) delivered during 5 weeks, on one half of the body part intended to have surgery; The other contralateral half of this area was designed as the control area.

The skin pieces obtained after surgery (that is to say one half of skin LPG treated and the other contralateral half as control untreated) have been then analyzed by optical microscopy in order to explore the induced changes about the cutaneous and subcutaneous tissues after Technique LPG.

LPG treated area :

