

Device for modeling standard contact-type thermal burns in an experimental animal comprising a heating element, a temperature sensor, and a timer. Wherein said device further comprises a heating element temperature regulation unit, a contact pressure magnitude regulation unit, a heating element displacement unit, a heating element fixation unit, a heating element exposure time regulation unit, a contact pressure sensor, and interchangeable nozzles for the heating element. Wherein the heating element temperature regulation unit is connected to the temperature sensor and to the heating element displacement unit, which is connected to the heating element fixation unit. The contact pressure magnitude regulation unit is connected to the contact pressure sensor connected to the heating element, to the heating element displacement unit, and to the heating element exposure time regulation unit connected to the heating element displacement unit and the timer. The interchangeable nozzles for the heating element being made of metal and having different surface areas and textures.