



ORAL PRESENTATION ABSTRACT

3.4. "Plastination at 4150 Meters above Sea Level in La Paz, Bolivia". "Plastinación a 4150 Msnm en la Altura de La Paz, Bolivia".

Rodríguez Torrez VH1, Ottone NE2.

1. Catedra de Anatomía Humana y Neuroanatomía, Carrera de Medicina y Odontología, Universidad Privada del Valle, sub sede La Paz, Bolivia.
2. Laboratory of Plastination and Anatomical Techniques, Faculty of Dentistry, CEMyQ, Universidad de la Frontera, Temuco, Chile.

Introduction: Take advantage of the reduction of oxygenation in the plastination process, demonstrating the feasibility of the plastination process at room temperature in the height of La Paz. **Material and method:** The present investigation is carried out in an experimental, observational, descriptive and comparative manner, for which we worked with an animal specimen in the Anatomy amphitheater of the Faculty of Health Sciences of the Universidad del Valle sub-Sede La Paz. We proceeded to perform the Fixation and Dissection of the animal specimen to observe internal structures. Dehydration was carried out with acetone baths for one month and fifteen days. The forced impregnation was carried out in 5 days. The curing or hardening of the polymers was approximately 48 hours. **Results:** During the forced impregnation process we have not seen substantial changes in the cadaverous piece, since the process was carried out at a moderate speed to avoid retraction and collapse of the structure. It is necessary to observe the impregnation times in other countries and compare these parameters, we are convinced that the height of the city of La Paz facilitates the process of forced impregnation. **Discussion:** It is important to observe the data offered by other researchers specifically in relation to the time used in the forced impregnation, this arose from several factors such as the size of the structure under study. The time to use for forced impregnation is approximately fourteen, twenty-one, thirty days. **Conclusions:** It is important to note that, in the city of La Paz, Bolivia, it was possible to develop the plastination technique, noting particularly that the forced impregnation step was developed substantially with ease and much taking advantage of the 4150 meters above sea level.

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