



Influence of the ventilatory mode on acute adverse effects and facial thermography after noninvasive ventilation

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Appendix 1. Study record.

PERSONAL DATA

1. Volunteer's name:
2. Date of birth: ____/____/____
3. Gender: a) Male b) Female

NVI/MASK

7. BiPAP: () CPAP: ()
8. Mask size: _____

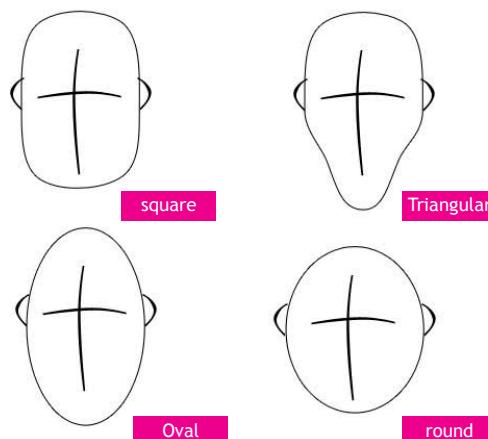
ANTHROPOMETRIC CHARACTERISTICS

9. Weight: _____
10. Height: _____
11. BMI: _____

DERMATOLOGICAL ASSESSMENT

(carried out at the dermatology outpatient clinic of the Hospital Universitário Walter Cantídio - HUWC, Walter Cantídio University Hospital)

12. Dermatological lesions? Yes No
- a) If yes, which ones? _____
13. Severe face malformation/injuries? Yes No
- a) If yes, which ones? _____
14. Change in sensitivity
- a) Touch? Yes No
- b) Pain? Yes No
15. Skin characteristics:
- a) Color: _____
- b) Type: b.1 dry
b.2 combination
b.3 oily grade 1 grade 2 grade 3
- c) Nutritional status (elasticity of the skin): _____

FACIAL ASSESSMENT

16. a) Square b) Triangular c) Oval d) Round

Appendix 2. Correlation between adverse effects and the temperature variation in the two regions of interest.

Variable	Pearson's correlation coefficient
PAIN_CHIN vs. dTEMP DORSUM	0
PAIN_PNS vs. dTEMP DORSUM	0.327168584
PAIN_EAR vs. dTEMP DORSUM	0.205263737
PAIN_HEAD vs. dTEMP DORSUM	0.204825936
PAIN_PNS vs. dTEMP FACE	0.195121062
PAIN_CHEEK vs. dTEMP DORSUM	0.19135266
PAIN_DORSUM vs. dTEMP DORSUM	0.163960141
PAIN_HEAD vs. dTEMP FACE	0.156254692
PAIN_DORSUM vs. dTEMP DORSUM	0.150764354
CONF_MASK vs. dTEMP FACE	0.143091499
CONF_MASK vs. dTEMP DORSUM	0.064629359
PAIN_PNS vs. PAIN_MASK	0.048478617
PAIN SCORE vs. dTEMP FACE	0.02
PAIN_DORSUM vs. dTEMP FACE	0.015930375
PAIN_EAR vs. dTEMP FACE	0.004597704
PAIN_DORSUM vs. PAIN_MASK	2.2535E-17
PAIN_CHIN vs. dTEMP FACE	0
PAIN_CHIN vs. PAIN_MASK	0
PRES_CHEEK vs. dTEMP FACE	-0.016447867
PAIN_EAR vs. PAIN_MASK	-0.028235747
PAIN SCORE vs. dTEMP FACE	-0.04
PAIN_HEAD vs. PAIN_MASK	-0.048478617
PRESSURE SCORE vs. dTEMP FACE	-0.05
PAIN_CHEEK vs. dTEMP FACE	-0.076456717
PAIN_CHEEK vs. PAIN_MASK	-0.101955924
PRES_NOSE vs. PAIN_MASK	-0.132285728
PRES_CHIN vs. dTEMP FACE	-0.13558229
PRES_CHEEK vs. dTEMP DORSUM	-0.178711877
PRES_CHIN vs. dTEMP DORSUM	-0.247351347
PRES_CHIN vs. PAIN_MASK	-0.349715702
PRES_NOSE vs. dTEMP FACE	-0.364457138
PRES_NOSE vs. dTEMP DORSUM	-0.390883198
PRES_NOSE vs. PAIN_MASK	-0.453621436
PRES_CHEEK vs. PAIN_MASK	-0.466861752

PAIN_CHIN: pain on the chin; dTEMP DORSUM: temperature variation in the area of the nasal dorsum; PAIN_PNS: pain in the paranasal sinuses; PAIN_EAR: pain in the ear; PAIN_HEAD: pain in the head; dTEMP FACE: temperature variation in the area of contact between the face and the mask; PAIN_CHEEK: pain on the cheek; PAIN_DORSUM: pain on the nasal dorsum; PAIN_MASK: pain in the area of the mask; PRES_CHEEK: pressure on the cheek; PRES_NOSE: pressure on the nose; and PRES_CHIN: pressure on the chin.