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VIRTUAL EVENT

RESEARCH PROJECT: CARDIOPULMONARY VENTRAL RESUSCITATION (CPVR)

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Keywords: Cardiopulmonary, Ventral, Resuscitation

Objectives: As cardiopulmonary resuscitation is a worldwide recognized technique for cases of maximum emergency, we would like to propose, as first objective, a new technique using the support of domestic cleaning device.

A second objective would be to propose a new terminology: cardio-respiratory ventral resuscitation (CRVR) as we believe that this new term expresses in a better way the functional procedure.

Materials and Methods: Description of the position of the patient with pictures and schemes.

We placed him in prone position, with sided head, removing any clothing covering the thorax and placing his hand palms one over the other. We believe that the aerial way is better controlled in ventral position, instead of dorsal position, as it would avoid that the tongue would fall to the supra-glottis space.

Immediately after we would proceed to rhythmic ventral compression movements, between 100 to 120 per minute. Additionally a call to the emergency services is required if the cardiac arrest happens in a domestic or non-medical environment.



Fig. 1 Conventional CPVR



Fig. 2 New CPVR using a domestic cleaning device

Results: We have identified this technique as a potential mechanism to provide more effective support in the event of a critical emergency. By using a domestic cleaning device, the procedure could potentially be more accessible to be carried out by, for example but not limited to, senior population that has additional difficulties to squat.

Conclusion: We believe that this is a new way to adapt the classic procedure of CPR that could make it more accessible to the general public.