

ER Case Study – Ashyxia and CPR

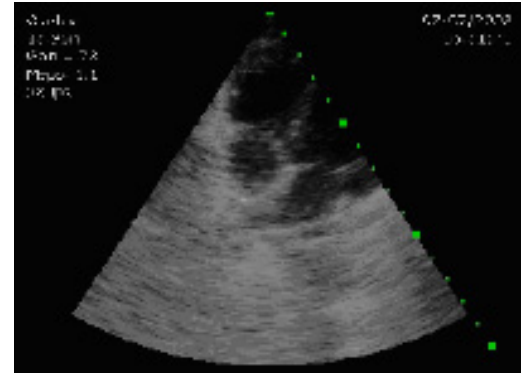
Courtesy of Dr. Weishuai Bian, Huaxin Hospital, Beijing, China

Patient History

The following case study was conducted by the Department of ICU at the Huaxin Hospital, Beijing, China.

An 8-year-old male was presented at the Emergency Room (ER) without spontaneous respiration. The patient's neck was twisted by a rope and the patient was in asphyxia for 20 minutes. The heart beat resumed after cardiopulmonary resuscitation, but there was still no spontaneous respiration. There was ecchymosis on the neck, fixed dilation in dual pupils and no pupillary light reflex. The BP of the patient was 85/55 mm Hg; SPO2 was decreased after transfusion of 120 ml of pressor drugs. There was moist rale in dual lungs and pink frothy sputum was exsucked from the airway. An ACUSON P10™ ultrasound system was brought into the ER for a quick examination.

Image Findings



The ACUSON P10 system demonstrates that the pulsation of the left and right ventricular walls are weak.

ACUSON P10 ultrasound system

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Clinical Outcome

The clinical picture indicated that the cardiac function is very weak and the opportunity to save the patient is very low.

Ultrasound Solution

The ACUSON P10 system with its ultra portability and imaging capability can be used in the ER for quick examination. Its small size and instant power-up features enables the doctors to easily carry it in their pocket and perform ultrasound scans at the point-of-care. By eliminating the time required to request an ultrasound scan, using the ACUSON P10 system in the ER can provide information to help emergency doctors understand patient condition earlier.

Standalone clinical images may have been cropped to better visualize pathology.

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