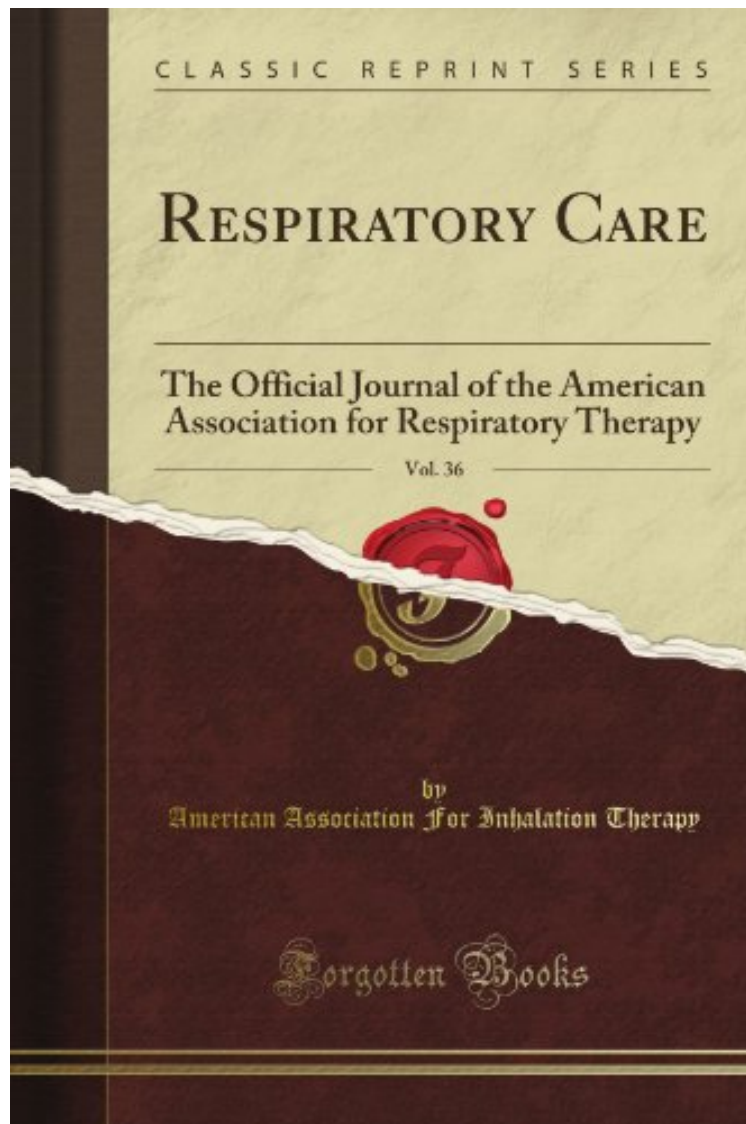


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## Respiratory Care: The Official Journal of the American Association for Respiratory Therapy, Vol. 36 (Classic Reprint)

*American Association For Inhalation Therapy*  
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Abstracts Summary of Pertinent Articles in Other Journals Editorials, Reports, and Reviews To Note New Approaches to CPR: Four Hands, a Plunger, or a Vest (editorial) Halperin, ML Weisfeld. JAMA 1992;267:294. (Pertains to Cohen et al paper abstracted on Page 849.) American Physicians Consider Euthanasia (editorial) Astillo, SM Ayres. Crit Care Med 1992;20(5):566. (Pertains to Caralis et al paper abstracted on Page 843.) Positioning and SIDS (recommendation) American Academy of Pediatrics Task Force on Infant Positioning and SIDS. Pediatrics 1992;89:1120. Recent Developments in Pulse Oximetry (review) Severinghaus, JW Elleher. Anesthesiology 1992;76:1018-1038. Adenosine during Cardiac Arrest and Cardiopulmonary Resuscitation: A Placebo-Controlled, Randomized Trial Mvon Planta, Ivon Planta, Wagner, DS Scheidegger. Crit Care Med 1992;20:645. BACKGROUND HYPOTHESIS TESTED: The effects of adenosine (100 µg/kg/min; n=7) were examined during rodent cardiopulmonary resuscitation (CPR). Changes in coronary artery perfusion pressure, end-tidal P<sub>O</sub><sub>2</sub>, and arterial acid-base status of anesthetized, male, Sprague-Dawley rats were compared with CPR controls (0.9% sodium chloride; n=7) and with sham controls (n=9). Sustained ventricular fibrillation was induced and precordial chest compression was followed by defibrillation. RESULTS: After 6 mins of cardiac arrest, 6 (86%) of 7 adenosine-treated animals were resuscitated after adenosine infusion and 4 (57%) of 7 control animals were resuscitated after sodium chloride infusion. During chest compression, coronary artery perfusion pressure was 72 torr after adenosine, but was 22-3 torr in the controls (p 0.01). Parallel decreases were observed in mean aortic pressure. Arterial and end-tidal P<sub>CO</sub><sub>2</sub>: significantly (p 0.01) decreased after adenosine. These changes contrasted with a second control group of 9 (Typographical errors above are due to OCR software and don't occur in the book.)