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Load independence of the instantaneous pressure-volume ratio of the canine left ventricle and effects of epinephrine and heart rate on the ratio

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#	Paper	IF	Citations
1542	Noninvasive measurement of left ventricular contractility using gated myocardial SPECT and arterial pressure tonometer.		
1541	Instantaneous pressure-volume relationships and their ratio in the excised, supported canine left ventricle. <i>Circulation Research</i> , <b>1974</b> , 35, 117-26	15.7	1021
1540	Importance of atrial compliance in cardiac performance. <i>Circulation Research</i> , <b>1974</b> , 35, 39-43	15.7	125
1539	Assessment of passive elastic stiffness of cardiac muscle: mathematical concepts, physiologic and clinical considerations, directions of future research. <b>1976</b> , 18, 277-308		219
1538	Models of Cardiac Contraction. <b>1976</b> , 27, 181-184		1
1537	Effects of stroke volume and velocity of ejection on end-systolic pressure of canine left ventricle. End-systolic volume clamping. <i>Circulation Research</i> , <b>1977</b> , 40, 445-50	15.7	55
1536	Reduction of the duration of isovolumic relaxation in the ejecting left ventricle of the dog: residual volume clamping. <b>1977</b> , 267, 63-74		10
1535	Instantaneous force-velocity-length relations: experimental findings and clinical correlates. <b>1977</b> , 40, 740-7		54
1534	End-systolic pressure/volume ratio: a new index of ventricular contractility. <b>1977</b> , 40, 748-53		530
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942	Effects of stress-dose hydrocortisone therapy in septic shock (part II): soluble E-selectin and interleukin-6. Preliminary results of a double blinded, randomized, placebo-controlled cross-over study. <b>1999</b> , 3, P105	78
941	Effects of stress-dose hydrocortisone therapy in septic shock (part III): monocyte HLA-DR expression and blood interferon- $\gamma$ concentration. Preliminary results of a double blinded, randomized, placebo-controlled cross-over study. <b>1999</b> , 3, P106	78
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939	The impact of eligibility criteria on enrollment in ICU sepsis clinical trials. <b>1999</b> , 3, P108	78
938	Antiarrhythmic effect of interleukin-1 (IL-1) in conjunction with contractile depression. <b>1999</b> , 3, P109	78
937	Decreased beating rate variability of cultured cardiomyocytes by endotoxin. <b>1999</b> , 3, P110	78
936	Proinflammatory impact of norepinephrine in cardiomyocytes: increased interleukin-6 production, which is suppressed by carvedilol. <b>1999</b> , 3, P111	78
935	Impact of cardiopulmonary-bypass assisted surgery on markers of monocyte function. <b>1999</b> , 3, P112	1
934	Cardiac surgery induces increased production of interleukin-10 and lactoferrin. <b>1999</b> , 3, P113	78
933	Cardiopulmonary bypass contributes to less than half of interleukin-6 release post cardiac surgery. <b>1999</b> , 3, P114	78
932	sCD14, IL-6 and TNF-receptors, but not IL-1, IL-8 or TNF- $\alpha$ are elevated in plasma of patients undergoing high risk coronary angioplasty with cardiopulmonary support. <b>1999</b> , 3, P115	78

931	tpA-lysis leads to reduced levels of SL-selectin in patients with acute myocardial infarction. <b>1999</b> , 3, P116	78
930	Catheterization of cardiac lymph trunk for evaluation of myocardial TNF $\alpha$ production and myocardial cell damage during cardiac operations. <b>1999</b> , 3, P117	78
929	Predictors of outcome after primary PTCA for acute myocardial infarction complicated by cardiogenic shock. <b>1999</b> , 3, P118	78
928	The storage-lesion in murine red blood cells: comparison to stored human red blood cells and applications for an animal model of transfusion efficacy. <b>1999</b> , 3, P119	78
927	Systemic inflammation promotes erythrocyte sequestration. <b>1999</b> , 3, P120	2
926	Oxygen-ozone treatment improves p50 std value in patients with peripheral vascular disease. <b>1999</b> , 3, P121	78
925	Sudden cardiac failure following treatment of metabolic alkalosis with hydrochloric acid. <b>1999</b> , 3, P122	1
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918	Multigated radionuclide blood pool scans (MUGA) for preoperative assessment of patients undergoing orthotopic liver transplantation (OLT). <b>1999</b> , 3, P129	1
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915	Measurement of aortal blood flow in supranormal cardiac output. <b>1999</b> , 3, P132	78
914	Trends of volemic indicators in a group of critically ill patients. <b>1999</b> , 3, P133	78

913	Usefulness of intrathoracic blood volume in the early phase of hemodynamic instability of patients with sepsis or septic shock. <b>1999</b> , 3, P134	78
912	Assessment of intrathoracic blood volume and extravascular lung water by single transpulmonary thermodilution. <b>1999</b> , 3, P135	78
911	Diagnostic determinants for capillary leakage syndrome (CLS) in septic shock patients. <b>1999</b> , 3, P136	78
910	Evaluation of the use of bioelectrical impedance analysis in assessing the hydration and fluid balance of infants with bronchiolitis requiring intensive care. <b>1999</b> , 3, P137	78
909	External cardiac pressures and the left ventricular pressure-volume relationship. <b>1999</b> , 3, P138	78
908	Computer simulation of the left ventricular pressure-volume relationship (LVPVR). <b>1999</b> , 3, P139	78
907	Prospective, randomized trial of the effect of supranormal oxygen delivery on morbidity and mortality in high risk surgical patients. <b>1999</b> , 3, P140	78
906	Are supranormal values of DO <sub>2</sub> defined well?. <b>1999</b> , 3, P141	78
905	Correlation between three methods of calculating oxygen extraction ratio (OER). <b>1999</b> , 3, P142	78
904	Relationship between oxygen extraction (OER) and age in septic patients. <b>1999</b> , 3, P143	78
903	Cardiac index estimation using central venous oxygen saturation (Scv O <sub>2</sub> ) in critical illness. <b>1999</b> , 3, P144	78
902	Blood lactate: an excellent prognostic indicator in high-risk surgical patients. <b>1999</b> , 3, P146	78
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899	Determination of the clearance factor for TSE agents during the manufacturing process of polygeline. <b>1999</b> , 3, P149	78
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894	HES 130/0.4, a new HES specification: pharmacokinetics after multiple infusions of 10% solutions in healthy volunteers. <b>1999</b> , 3, P154	3
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889	Effect of dopexamine on CO <sub>2</sub> -gradients and splanchnic energy balance in septic shock. <b>1999</b> , 3, P159	78
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887	Dopexamine does not improve jejunal or gastric tube mucosal perfusion following oesophageal resection. <b>1999</b> , 3, P161	78
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881	Jejunal mucosal NO production and substrate dependency during mesenteric hypoperfusion in pigs. <b>1999</b> , 3, P167	78
880	In-vitro evaluation of the neonatal tonometer. <b>1999</b> , 3, P168	78
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878	Enteral nutrition via a jejunostomy decreases both jejunal and gastric tube intra-mucosal pH following oesophagectomy. <b>1999</b> , 3, P170	78

877	In vitro evaluation of a fast response, modified pH-Glass electrode designed for continuous measurement of the pCO <sub>2</sub> in the gastric lumen. <b>1999</b> , 3, P171	78
876	Investigation into the effects of enteral feeding on gastric tonometry monitoring using the saline technique and the Tonocap. <b>1999</b> , 3, P172	78
875	Does enteral feeding potentially alter the PCO <sub>2</sub> gap and pHi?. <b>1999</b> , 3, P173	78
874	Enteral feed delays response times of a tissue PCO <sub>2</sub> sensor. <b>1999</b> , 3, P174	78
873	Splanchnic and haemodynamic data as prognostic indexes in MODS patients. <b>1999</b> , 3, P175	78
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870	Continuous assessment of colonic perfusion during abdominal aortic reconstruction using a modified Paratrend 7?. <b>1999</b> , 3, P178	78
869	Effect of endotoxemia on hepatic portal and sinusoidal blood flow in rats. <b>1999</b> , 3, P179	78
868	Multiple organ dysfunction, surgical techniques and prognostic markers in acute pancreatitis. <b>1999</b> , 3, P180	78
867	Outcome prediction for patients with chronic liver disease requiring medical intensive care. <b>1999</b> , 3, P181	78
866	Outcome of chronic liver disease in a specialist liver intensive therapy unit. <b>1999</b> , 3, P182	78
865	Association between interleukin-10 (IL-10) gene promoter polymorphisms and outcome in acetaminophen induced acute liver failure requiring admission to a liver intensive care unit. <b>1999</b> , 3, P183	78
864	A reproducible rabbit model of acetaminophen induced acute hepatic failure (AHF) and multi-organ failure (MOF). <b>1999</b> , 3, P184	78
863	Monitoring in liver transplantation. <b>1999</b> , 3, P185	78
862	Rare fatal complications of acute fatty liver of pregnancy. <b>1999</b> , 3, P186	2
861	Treatment of acute hepatic failure and encephalopathy with extracorporeal ex vivo pig-liver perfusion in the critical care unit. <b>1999</b> , 3, P187	78
860	Increased prevalence of Helicobacter pylori infection in critically ill patients with stress ulceration. <b>1999</b> , 3, P188	78

859	Effects of spinal sympathectomy on gastrointestinal motility in critically ill patients. <b>1999</b> , 3, P189	78
858	Gastro-intestinal bleeding in 1211 ventilated trauma patients: a multivariate analysis of the risk factors. <b>1999</b> , 3, P190	78
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855	A simple and safe bedside method of transpyloric feeding tube placement in critically ill patients. <b>1999</b> , 3, P193	78
854	Peritoneal ventilation in volume controlled hemorrhagic shock: outcome model in rats. <b>1999</b> , 3, P194	78
853	The Paracetamol Absorption Test (PAT): an obligatory addition to the enteral nutrition algorithm?. <b>1999</b> , 3, P195	1
852	Enteral versus parenteral nutrition: no difference in the incidence of fungal infections in critically-ill patients on mechanical ventilation with selective digestive decontamination. <b>1999</b> , 3, P196	78
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849	Energy consumption rate of critically ill patients: a prognostic factor?. <b>1999</b> , 3, P199	78
848	Alterations of metabolic and hemodynamic parameters during whole body hyperthermia on the ICU. <b>1999</b> , 3, P200	0
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846	Magnetic stimulation of the phrenic nerves to assess diaphragm strength on the Intensive Care Unit. <b>1999</b> , 3, P202	78
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843	The influence of aldosterone and angiotensin II on the diuretic effects of atrial natriuretic peptide in the isolated perfused rat kidney. <b>1999</b> , 3, P206	78
842	Urinary excretion of urodilatin is increased during pressure natriuresis in the isolated perfused rat kidney. <b>1999</b> , 3, P207	78

841	Urine output in the first twelve hours after cardiopulmonary bypass does not predict the development of renal impairment. <b>1999</b> , 3, P208	78
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838	Treatment and prognosis of patients with nontraumatic rhabdomyolysis. <b>1999</b> , 3, P211	78
837	High-volume continuous veno-venous haemofiltration in hyper-acute liver failure: a pilot study. <b>1999</b> , 3, P212	2
836	Continuous hemodiafiltration with bicarbonate- and lactate-buffered replacement fluids in septic shock. <b>1999</b> , 3, P213	78
835	Changes in C-type natriuretic peptide (CNP) levels in the plasma and cerebrospinal fluid of the patients with subarachnoid hemorrhage. <b>1999</b> , 3, P214	78
834	Prevention of infective complications of penetrating injuries to the head. <b>1999</b> , 3, P215	78
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831	Correlation of transcranial doppler (TCD) parameters with intracranial pressure (ICP). <b>1999</b> , 3, P218	1
830	Transcranial Doppler sonography and cerebrovascular CO <sub>2</sub> -reactivity during whole body hyperthermia. <b>1999</b> , 3, P219	78
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823	Effects of continuous flow insufflation of oxygen on arterial gazometry during cardiopulmonary resuscitation. <b>1999</b> , 3, P226	78
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821	Does emergency transportation induce a stress-response in probationers. <b>1999</b> , 3, P228	78
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817	Sedation of patients in intensive care units by midazolam (MDZ): clinical and biological evaluation. <b>1999</b> , 3, P232	78
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