



## Ronald Pearl

Dr. Richard K. and Erika N. Richards Professor  
Anesthesiology, Perioperative and Pain Medicine

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Dept of Anesthesia**

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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### Bio

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### CLINICAL FOCUS

- Anesthesia
- Critical care medicine

### ACADEMIC APPOINTMENTS

- Professor, Anesthesiology, Perioperative and Pain Medicine
- Member, Cardiovascular Institute

### ADMINISTRATIVE APPOINTMENTS

- Chair, Stanford University School of Medicine - Anesthesia Department, (1999- present)

### PROFESSIONAL EDUCATION

- Fellowship: Stanford University Anesthesiology Fellowships (1981) CA
- Residency: Stanford University Internal Medicine Residency Training (1980) CA
- Internship: Stanford University Internal Medicine Residency Training (1978) CA
- Residency: Stanford University Hospital - Anesthesia Dept (1985) CA
- Board Certification: Anesthesia, American Board of Anesthesiology (1986)
- Board Certification: Internal Medicine, American Board of Internal Medicine (1980)
- Board Certification: Critical Care Medicine, American Board of Anesthesiology (1986)
- Medical Education: University of Chicago Hospitals (1977) IL
- MD, University of Chicago , Medicine (1977)
- PhD, University of Chicago , Pharmacology and Physiology (1975)
- BS, Yale University , Psychology (1971)

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Mechanisms (molecular and cellular) of pulmonary hypertension, treatment of pulmonary hypertension, treatment of respiratory failure, treatment of septic shock, hemodynamic monitoring

### CLINICAL TRIALS

- A Safety, Tolerability, Efficacy and QoL Study of Human recAP in the Treatment of Patients With SA-AKI, Recruiting
- Acute Medically Ill VTE Prevention With Extended Duration Betrixaban Study (The APEX Study), Recruiting
- Levosimendan in Patients With Left Ventricular Systolic Dysfunction Undergoing Cardiac Surgery On Cardiopulmonary Bypass, Recruiting
- Safety and Efficacy of Polymyxin B Hemoperfusion (PMX) for Septic Shock, Recruiting
- Study of a Candidate Clostridium Difficile Toxoid Vaccine in Subjects at Risk for C. Difficile Infection, Recruiting
- Compare Ceftazidime-Avibactam + Metronidazole Versus Meropenem for Hospitalized Adults With Complicated Intra-Abdominal Infections, Not Recruiting
- Protocolized Care for Early Septic Shock, Not Recruiting
- Study of the Efficacy and Safety of Tezosentan in Patients With Pre-operative Pulmonary Hypertension, Due to Left Heart Disease, Undergoing Open Heart Surgery, Not Recruiting

## Publications

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### PUBLICATIONS

- **Nocturnal Low-Dose Propofol Infusion for the Management of ICU Delirium: A Case Series in Nonintubated Cardiac Surgery Patients.** *Journal of cardiothoracic and vascular anesthesia*  
Wong, J. K., Nikravan, S., Maxwell, B. G., Marques, M. A., Pearl, R. G.  
2016; 30 (5): 1340-1343
- **Obstructive Sleep Apnea Is an Independent Predictor of Postoperative Atrial Fibrillation in Cardiac Surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*  
Wong, J. K., Maxwell, B. G., Kushida, C. A., Sainani, K. L., Lobato, R. L., Woo, J., Pearl, R. G.  
2015; 29 (5): 1140-1147
- **Endothelial fate mapping in mice with pulmonary hypertension.** *Circulation*  
Qiao, L., Nishimura, T., Shi, L., Sessions, D., Thrasher, A., Trudell, J. R., Berry, G. J., Pearl, R. G., Kao, P. N.  
2014; 129 (6): 692-703
- **Focused transthoracic echocardiography during critical care medicine training: curriculum implementation and evaluation of proficiency\*.** *Critical care medicine*  
Beraud, A., Rizk, N. W., Pearl, R. G., Liang, D. H., Patterson, A. J.  
2013; 41 (8): e179-81
- **Focused transthoracic echocardiography during critical care medicine training: curriculum implementation and evaluation of proficiency\*.** *Critical care medicine*  
Beraud, A., Rizk, N. W., Pearl, R. G., Liang, D. H., Patterson, A. J.  
2013; 41 (8): e179-81
- **Preparing Interns for Anesthesiology Residency Training: Development and Assessment of the Successful Transition to Anesthesia Residency Training (START) E-Learning Curriculum.** *Journal of graduate medical education*  
Chu, L. F., Ngai, L. K., Young, C. A., Pearl, R. G., Macario, A., Harrison, T. K.  
2013; 5 (1): 125-129
- **Understanding the Divergent Effects of Norepinephrine on Cardiac Output: Go With the Flow** *CRITICAL CARE MEDICINE*  
Pearl, R. G.  
2013; 41 (1): 352-354

- **Airway Management and Perioperative Decision Making in the Patient With Severe Pulmonary Hypertension Who Requires Emergency Noncardiac Surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*  
Maxwell, B. G., Pearl, R. G., Kudelko, K. T., Zamanian, R. T., Hill, C. C.  
2012; 26 (5): 940-944
- **Self-Reported Information Needs of Anesthesia Residency Applicants and Analysis of Applicant-Related Web Sites Resources at 131 United States Training Programs** *ANESTHESIA AND ANALGESIA*  
Chu, L. F., Young, C. A., Zamora, A. K., Lowe, D., Hoang, D. B., Pearl, R. G., Macario, A.  
2011; 112 (2): 430-439
- **Learning management systems and lecture capture in the medical academic environment.** *International anesthesiology clinics*  
Chu, L. F., Young, C. A., Ngai, L. K., Cun, T., Pearl, R. G., Macario, A.  
2010; 48 (3): 27-51
- **Anesthesia for patients with pulmonary hypertension** *CURRENT OPINION IN ANESTHESIOLOGY*  
Pritts, C. D., Pearl, R. G.  
2010; 23 (3): 411-416
- **Adoption of anesthesia information management systems by academic departments in the United States** *ANESTHESIA AND ANALGESIA*  
Halbeis, C. B., Epstein, R. H., Macario, A., Pearl, R. G., Grunwald, Z.  
2008; 107 (4): 1323-1329
- **Training attendings to be expert teachers: the Stanford Anesthesia Teaching Scholars Program** *JOURNAL OF CLINICAL ANESTHESIA*  
Macario, A., Edler, A., Pearl, R.  
2008; 20 (3): 241-242
- **Neurotensin increases mortality and mast cells reduce neurotensin levels in a mouse model of sepsis** *NATURE MEDICINE*  
Piliponsky, A. M., Chen, C., Nishimura, T., Metz, M., Rios, E. J., Dobner, P. R., Wada, E., Wada, K., Zacharias, S., Mohanasundaram, U. M., Faix, J. D., Abrink, M., Pejler, et al  
2008; 14 (4): 392-398
- **Efficacy and safety of epoetin alfa in critically ill patients** *NEW ENGLAND JOURNAL OF MEDICINE*  
Corwin, H. L., Gettinger, A., Fabian, T. C., May, A., Pearl, R. G., Heard, S., An, R., Bowers, P. J., Burton, P., Klausner, M. A., Corwin, M. J.  
2007; 357 (10): 965-976
- **Thrombin-activatable fibrinolysis inhibitor (TAFI) regulates activated complement C5a in vivo.** *46th Annual Meeting of the American-Society-of-Hematology*  
Nishimura, T., Myles, T., Nagashima, M., MORSER, J., Pearl, R. G., Leung, L. L.  
AMER SOC HEMATOLOGY.2004: 812A-812A
- **Extended evaluation of recombinant human activated protein C United States trial (ENHANCE US) - A single-arm, phase 313, multicenter study of drotrecogin alfa (activated) in severe sepsis** *CHEST*  
Bernard, G. R., Margolis, B. D., Shanies, H. M., Ely, E. W., Wheeler, A. P., Levy, H., Wong, K., Wright, T. J., Ahmed, M., Albertson, T., Anas, N., Astiz, M., Bacon, et al  
2004; 125 (6): 2206-2216
- **Longitudinal transcriptional analysis of developing neointimal vascular occlusion and pulmonary hypertension in rats** *PHYSIOLOGICAL GENOMICS*  
Vaszar, L. T., Nishimura, T., Storey, J. D., Zhao, G. H., Qiu, D. M., Faul, J. L., Pearl, R. G., Kao, P. N.  
2004; 17 (2): 150-156
- **The CRIT Study: Anemia and blood transfusion in the critically ill - Current clinical practice in the United States** *CRITICAL CARE MEDICINE*  
Corwin, H. L., Gettinger, A., Pearl, R. G., Fink, M. P., Levy, M. M., Abraham, E., MacIntyre, N. R., Shabot, M., Duh, M. S., Shapiro, M. J.  
2004; 32 (1): 39-52
- **Thrombin activatable fibrinolysis inhibitor, a potential regulator of vascular inflammation** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Myles, T., Nishimura, T., Yun, T. H., Nagashima, M., MORSER, J., Patterson, A. J., Pearl, R. G., Leung, L. L.  
2003; 278 (51): 51059-51067
- **Simvastatin rescues rats from fatal pulmonary hypertension by inducing apoptosis of neointimal smooth muscle cells** *CIRCULATION*  
Nishimura, T., Vaszar, L. T., Faul, J. L., Zhao, G. H., Berry, G. J., Shi, L. F., Qiu, D. M., Benson, G., Pearl, R. G., Kao, P. N.  
2003; 108 (13): 1640-1645

- **Anemia and blood transfusion in trauma patients admitted to the intensive care unit** *JOURNAL OF TRAUMA-INJURY INFECTION AND CRITICAL CARE*  
Shapiro, M. J., Gettinger, A., Corwin, H. L., Napolitano, L., Levy, M., Abraham, E., Fink, M. P., MacIntyre, N., Pearl, R. G., Shabot, M. M.  
2003; 55 (2): 269-273
- **Effect of a surgical aortocaval fistula on mono crotaline-induced pulmonary hypertension** *CRITICAL CARE MEDICINE*  
Nishimura, T., Faul, J. L., Berry, G. J., Kao, P. N., Pearl, R. G.  
2003; 31 (4): 1213-1218
- **Efficacy of recombinant human erythropoietin in critically ill patients - A randomized controlled trial** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*  
Corwin, H. L., Gettinger, A., Pearl, R. G., Fink, M. P., Levy, M. M., Shapiro, M. J., Corwin, M. J., Colton, T.  
2002; 288 (22): 2827-2835
- **Understanding and managing anemia in critically ill patients.** *Critical care nurse*  
Pearl, R. G., Pohlman, A.  
2002: 1-12
- **Simvastatin attenuates smooth muscle neointimal proliferation and pulmonary hypertension in rats** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*  
Nishimura, T., Faul, J. L., Berry, G. J., Vaszar, L. T., Qiu, D. M., Pearl, R. G., Kao, P. N.  
2002; 166 (10): 1403-1408
- **The airway: emergent management for nonanesthesiologists** *WESTERN JOURNAL OF MEDICINE*  
Fowler, R. A., Pearl, R. G.  
2002; 176 (1): 45-50
- **Improved technique for fascial sling reconstruction of severe congenital ptosis** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Pearl, R. M.  
2001; 107 (4): 1059-1059
- **Nutritional deficiencies and blunted erythropoietin response as causes of the anemia of critical illness** *JOURNAL OF CRITICAL CARE*  
Rodriguez, R. M., Corwin, H. L., Gettinger, A., Corwin, M. J., Gubler, D., Pearl, R. G.  
2001; 16 (1): 36-41
- **40-O-(2-hydroxyethyl)-rapamycin attenuates pulmonary arterial hypertension and neointimal formation in rats** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*  
Nishimura, T., Faul, J. L., Berry, G. I., Veve, I., Pearl, R. G., Kao, P. N.  
2001; 163 (2): 498-502
- **Triptolide attenuates pulmonary arterial hypertension and neointimal formation in rats** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*  
Faul, J. L., Nishimura, T., Berry, G. J., BENSON, G. V., Pearl, R. G., Kao, P. N.  
2000; 162 (6): 2252-2258
- **Combination therapy with inhaled nitric oxide and intravenous dobutamine during pulmonary hypertension in the rabbit** *JOURNAL OF CARDIOVASCULAR PHARMACOLOGY*  
Bradford, K. K., Deb, B., Pearl, R. G.  
2000; 36 (2): 146-151
- **Combined therapy with zaprinast and inhaled nitric oxide abolishes hypoxic pulmonary hypertension** *CRITICAL CARE MEDICINE*  
Nagamine, J., Hill, L. L., Pearl, R. G.  
2000; 28 (7): 2420-2424
- **Additive effects of inhaled nitric oxide and intravenous milrinone in experimental pulmonary hypertension** *CRITICAL CARE MEDICINE*  
Deb, B., Bradford, K., Pearl, R. G.  
2000; 28 (3): 795-799
- **Sonic vibrational analysis provides continuous measurement of arterial properties** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*  
Rodriguez, R. M., Sher, M. H., Beringer, K. A., Caro, R. G., Pearl, R. G.  
2000; 16 (7): 501-508

- **Inhaled nitric oxide and pulmonary vasoreactivity** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*  
Aranda, M., Pearl, R. G.  
2000; 16 (5-6): 393-401
- **Efficacy of recombinant human erythropoietin in the critically ill patient: A randomized, double-blind, placebo-controlled trial** *CRITICAL CARE MEDICINE*  
Corwin, H. L., Gettinger, A., Rodriguez, R. M., Pearl, R. G., Gubler, K. D., Enny, G., Colton, T., Corwin, M. J.  
1999; 27 (11): 2346-2350
- **Combined therapy with inhaled nitric oxide and intravenous vasodilators during acute and chronic experimental pulmonary hypertension** *ANESTHESIA AND ANALGESIA*  
ARANDA, M., Bradford, K. K., Pearl, R. G.  
1999; 89 (1): 152-158
- **Inhaled nitric oxide potentiates actions of adenosine but not of sodium nitroprusside in experimental pulmonary hypertension** *PHARMACOLOGY*  
Patterson, K. W., Deb, B., Kavanagh, B. P., Pearl, R. G.  
1999; 58 (5): 246-251
- **Combined inhaled nitric oxide and inhaled prostacyclin during experimental chronic pulmonary hypertension** *JOURNAL OF APPLIED PHYSIOLOGY*  
Hill, L. L., Pearl, R. G.  
1999; 86 (4): 1160-1164
- **Inhibition of endogenous nitric oxide synthesis potentiates the effects of sodium nitroprusside but not of adenosine in experimental pulmonary hypertension** *PHARMACOLOGY*  
Wall, M. H., Patterson, K. W., Kavanagh, B. P., Pearl, R. G.  
1999; 58 (1): 34-43
- **Continuous cardiac output catheters - Delay in in vitro response time after controlled flow changes** *ANESTHESIOLOGY*  
ARANDA, M., Mihm, F. G., Garrett, S., Mihm, M. N., Pearl, R. G.  
1998; 89 (6): 1592-1595
- **Pulmonary hypertension and major surgery** *ANESTHESIA AND ANALGESIA*  
Rodriguez, R. M., Pearl, R. G.  
1998; 87 (4): 812-815
- **Prediction of poor outcome of intensive care unit patients admitted from the emergency department** *CRITICAL CARE MEDICINE*  
Rodriguez, R. M., Wang, N. E., Pearl, R. G.  
1997; 25 (11): 1801-1806
- **Combined therapy with inhaled nitric oxide and intravenous vasodilators during experimental pulmonary hypertension**  
ARANDA, M., Kilroy, K., Pearl, R. G.  
LIPPINCOTT WILLIAMS & WILKINS.1997: A1123-A1123
- **Nitroglycerin does not alter pulmonary vascular permeability in isolated rabbit lungs** *46th Annual Meeting of the American-Society-of-Anesthesiologists*  
Thompson, J. S., Kavanagh, B. P., Pearl, R. G.  
LIPPINCOTT WILLIAMS & WILKINS.1997: 359-62
- **An economic analysis of health care reform and its implications for plastic surgery** *Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*  
Pearl, R. M., McAllister, H., PRUZANSKY, J.  
LIPPINCOTT WILLIAMS & WILKINS.1997: 1-9
- **Mechanical ventilation and adjuncts in acute respiratory distress syndrome** *INTERNATIONAL ANESTHESIOLOGY CLINICS*  
Deb, B., Pearl, R. G.  
1997; 35 (1): 109-124
- **Delayed time response of the continuous cardiac output pulmonary artery catheter** *ANESTHESIA AND ANALGESIA*  
Siegel, L. C., HENNESSY, M. M., Pearl, R. G.  
1996; 83 (6): 1173-1177

- **Inhibition of endogenous nitric oxide synthase potentiates nitrovasodilators in experimental pulmonary hypertension** *American-Society-of-Anesthesiologists Annual Meeting*  
Kavanagh, B. P., Thompson, J. S., Pearl, R. G.  
LIPPINCOTT WILLIAMS & WILKINS.1996: 860-66
- **Plasma potentiates the priming effects of endotoxin on platelet activating factor-induced pulmonary hypertension in the rabbit lung** *ANESTHESIA AND ANALGESIA*  
Goldsmith, J. A., Kavanagh, B. P., Pearl, R. G.  
1996; 83 (2): 242-246
- **PULMONARY CAPILLARY-PRESSURE MEASUREMENT FROM PULMONARY-ARTERY OCCLUSION PRESSURE DECAY PROFILE ANALYSIS IN SHEEP** *ANESTHESIA AND ANALGESIA*  
WAKERLIN, G. E., Finn, J. C., Siegel, L. C., BENSON, G. V., Flavin, T. F., Pearl, R. G.  
1995; 81 (1): 17-23
- **IMPROVED TECHNIQUE FOR FASCIAL SLING RECONSTRUCTION OF SEVERE CONGENITAL PTOSIS** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Pearl, R. M.  
1995; 95 (5): 920-923
- **EFFECT OF BLOOD AND ALBUMIN ON PULMONARY-HYPERTENSION AND EDEMA IN PERFUSED RABBIT LUNGS** *JOURNAL OF APPLIED PHYSIOLOGY*  
KRAFT, S. A., Fujishima, S., McGuire, G. P., Thompson, J. S., Raffin, T. A., Pearl, R. G.  
1995; 78 (2): 499-504
- **INHALED NITRIC-OXIDE IN ANESTHESIA AND CRITICAL CARE MEDICINE** *INTERNATIONAL ANESTHESIOLOGY CLINICS*  
Kavanagh, B. P., Pearl, R. G.  
1995; 33 (1): 181-210
- **INHALED NITRIC-OXIDE DOES NOT ALTER THE LONGITUDINAL DISTRIBUTION OF PULMONARY VASCULAR-RESISTANCE** *JOURNAL OF APPLIED PHYSIOLOGY*  
LINDEBORG, D. M., Kavanagh, B. P., VANMEURS, K., Pearl, R. G.  
1995; 78 (1): 341-348
- **INHIBITION OF ENDOGENOUS NITRIC-OXIDE SYNTHASE POTENTIATES NITROVASODILATORS IN PULMONARY-HYPERTENSION**  
Kavanagh, B. P., Thompson, J. S., Pearl, R. G.  
LIPPINCOTT WILLIAMS & WILKINS.1994: A1492-A1492
- **SERUM BUT NOT PLASMA PRODUCES INJURY IN THE PERFUSED RABBIT LUNG** *ANESTHESIA AND ANALGESIA*  
MOUCHAWAR, A. M., Kavanagh, B. P., Pearl, R. G.  
1994; 79 (1): 40-45
- **ADENOSINE PRODUCES PULMONARY VASODILATION IN THE PERFUSED RABBIT LUNG VIA AN ADENOSINE A(2) RECEPTOR** *ANESTHESIA AND ANALGESIA*  
Pearl, R. G.  
1994; 79 (1): 46-51
- **EFFECTS OF L-GLUTAMINE ON PULMONARY-HYPERTENSION IN THE PERFUSED RABBIT LUNG** *PHARMACOLOGY*  
Xu, H., Pearl, R. G.  
1994; 48 (4): 260-264
- **EFFECTS OF INHALED NO AND INHIBITION OF ENDOGENOUS NO SYNTHESIS IN OXIDANT-INDUCED ACUTE LUNG INJURY** *JOURNAL OF APPLIED PHYSIOLOGY*  
Kavanagh, B. P., MOUCHAWAR, A., Goldsmith, J., Pearl, R. G.  
1994; 76 (3): 1324-1329
- **CLINICAL USES OF PROSTAGLANDINS IN ANESTHESIA AND INTENSIVE-CARE MEDICINE** *BAILLIERES CLINICAL ANAESTHESIOLOGY*  
Kavanagh, B. P., Pearl, R. G.  
1994; 8 (1): 175-200
- **EXTENSOR DIGITI-MINIMI TENDON TRANSFER TO PREVENT RECURRENT ULNAR DRIFT** *PLASTIC AND RECONSTRUCTIVE SURGERY*

- Pearl, R. M., Hentz, V. R.  
1993; 92 (3): 507-510
- **INOTROPIC THERAPY IN THE CRITICALLY ILL PATIENT** *INTERNATIONAL ANESTHESIOLOGY CLINICS*  
LINDEBORG, D. M., Pearl, R. G.  
1993; 31 (2): 49-71
  - **PULMONARY CAPILLARY-PRESSURE MEASUREMENT DURING GLOBAL HYPOXIA IN SHEEP** *ANESTHESIA AND ANALGESIA*  
Siegel, L. C., Pearl, R. G., August, D. A.  
1993; 76 (1): 149-155
  - **BIGUANIDE-ASSOCIATED LACTIC-ACIDOSIS - CASE-REPORT AND REVIEW OF THE LITERATURE** *ARCHIVES OF INTERNAL MEDICINE*  
Gan, S. C., Barr, J., Arief, A. I., Pearl, R. G.  
1992; 152 (11): 2333-2336
  - **PULMONARY-ARTERY CATHETERIZATION - THE RIGHT HEART SHOULD NOT BE LEFT OUT - A CASE-REPORT** *ANGIOLOGY*  
Cook, D. J., Davis, S. F., Barr, J. A., Pearl, R. G.  
1992; 43 (11): 952-956
  - **TREATMENT OF ENOPHTHALMOS** *CLINICS IN PLASTIC SURGERY*  
Pearl, R. M.  
1992; 19 (1): 99-111
  - **EFFECTS OF PROSTAGLANDIN-E1 AND HYDRALAZINE ON THE LONGITUDINAL DISTRIBUTION OF PULMONARY VASCULAR-RESISTANCE DURING VASOCONSTRICTOR PULMONARY-HYPERTENSION IN SHEEP** *ANESTHESIOLOGY*  
Pearl, R. G., Siegel, L. C.  
1992; 76 (1): 106-112
  - **LONGITUDINAL DISTRIBUTION OF PULMONARY VASCULAR-RESISTANCE AFTER ENDOTOXIN ADMINISTRATION IN SHEEP** *CRITICAL CARE MEDICINE*  
Pearl, R. G., BAER, E. R., Siegel, L. C., BENSON, G. V., Rice, S. A.  
1992; 20 (1): 119-125
  - **A THROMBOXANE ANALOG INCREASES PULMONARY CAPILLARY-PRESSURE BUT NOT PERMEABILITY IN THE PERFUSED RABBIT LUNG** *1990 ANNUAL MEETING OF THE AMERICAN SOC OF ANESTHESIOLOGISTS*  
WAKERLIN, G. E., BENSON, G. V., Pearl, R. G.  
LIPPINCOTT WILLIAMS & WILKINS.1991: 475-80
  - **PATHOPHYSIOLOGY OF CLEFT-LIP MUSCLES FOLLOWING THE INITIAL SURGICAL REPAIR** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Schendel, S. A., Pearl, R. M., DeArmond, S. J.  
1991; 88 (2): 197-200
  - **THERMODILUTION CARDIAC-OUTPUT MEASUREMENT WITH A LARGE LEFT-TO-RIGHT SHUNT** *JOURNAL OF CLINICAL MONITORING*  
Pearl, R. G., Siegel, L. C.  
1991; 7 (2): 146-153
  - **LEUKOTRIENE SYNTHESIS INHIBITION AND RECEPTOR BLOCKADE DO NOT INHIBIT HYPOXIC PULMONARY VASOCONSTRICTION IN SHEEP** *ANESTHESIA AND ANALGESIA*  
Pearl, R. G., Prielipp, R. C.  
1991; 72 (2): 169-176
  - **TREATMENT OF EXOPHTHALMOS** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Pearl, R. M., VISTNES, L., Troxel, S.  
1991; 87 (2): 236-244
  - **ISOPROTERENOL PREVENTS OXIDANT-INDUCED INJURY IN ISOLATED RABBIT LUNGS** *PHARMACOLOGY*  
Fujishima, S., KRAFT, S. A., McGuire, G. P., Raffin, T., Pearl, R. G.  
1991; 43 (2): 78-83
  - **HEMODYNAMIC PROFILES OF PROSTAGLANDIN-E1, ISOPROTERENOL, PROSTACYCLIN, AND NIFEDIPINE IN EXPERIMENTAL PORCINE PULMONARY-HYPERTENSION** *CRITICAL CARE MEDICINE*

- Prielipp, R. C., McLean, R., Rosenthal, M. H., Pearl, R. G.  
1991; 19 (1): 60-67
- **PULMONARY CAPILLARY PRESSURES DURING HYPOXIA AND HYPOXEMIA** *CRITICAL CARE MEDICINE*  
Siegel, L. C., Pearl, R. G.  
1990; 18 (12): 1493-1494
  - **HEMODYNAMIC-EFFECTS OF DILTIAZEM DURING VASOCONSTRICTOR PULMONARY-HYPERTENSION IN SHEEP** *ANESTHESIA AND ANALGESIA*  
Pearl, R. G., Finn, J. C.  
1990; 71 (5): 493-497
  - **PRESSURE MEASUREMENT ARTIFACT WITH ANALOG-TO-DIGITAL CONVERSION** *JOURNAL OF CLINICAL MONITORING*  
Siegel, L. C., Pearl, R. G.  
1990; 6 (4): 318-321
  - **TREATMENT OF MANDIBULAR FRACTURE - A HYPOTHESIS** *ANNALS OF PLASTIC SURGERY*  
Pearl, R. M.  
1990; 25 (3): 236-237
  - **PREVENTION OF ENOPHTHALMOS - A HYPOTHESIS** *ANNALS OF PLASTIC SURGERY*  
Pearl, R. M.  
1990; 25 (2): 132-133
  - **THE ILIAC CREST CARTILAGINOUS CAP** *ANNALS OF PLASTIC SURGERY*  
Schendel, S. A., Pearl, R. M.  
1990; 25 (1): 29-31
  - **CROMOLYN SODIUM DOES NOT INHIBIT HYPOXIC PULMONARY VASOCONSTRICTION IN SHEEP** *ANESTHESIA AND ANALGESIA*  
Pearl, R. G.  
1990; 71 (1): 83-87
  - **VASODILATOR THERAPY IN MICROEMBOLIC PORCINE PULMONARY-HYPERTENSION** *ANESTHESIA AND ANALGESIA*  
McLean, R. F., Prielipp, R. C., Rosenthal, M. H., Pearl, R. G.  
1990; 71 (1): 35-41
  - **EFFECT OF HYPERGLYCEMIA ON NEURONAL CHANGES IN A RABBIT MODEL OF FOCAL CEREBRAL-ISCHEMIA** *STROKE*  
KRAFT, S. A., Larson, C. P., Shuer, L. M., Steinberg, G. K., BENSON, G. V., Pearl, R. G.  
1990; 21 (3): 447-450
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