



JABFP

The Journal of the American Board of Family Practice

VOLUME 3, NUMBER 4

OCTOBER-DECEMBER 1990

Editor

Paul R. Young, M.D.
Lexington, KY

Associate Editors

Paul Brucker, M.D.
Philadelphia, PA

G. Gayle Stephens, M.D.
Birmingham, AL

Editorial Board

Loren Amundson, M.D.
Sioux Falls, SD

Robert Avant, M.D.
Rochester, MN

Fitzhugh Mayo, M.D.
Richmond, VA

Thomas Nicholas, M.D.
Kansas City, MO

Howard Rabinowitz, M.D.
Philadelphia, PA

Janet Realini, M.D.
San Antonio, TX

Richard Steinhilber, M.D.
Cleveland, OH

W. Jack Stelmach, M.D.
Kansas City, MO

Editorial

Advisory Board

John C. Ball, Ph.D.
Baltimore, MD

John Beck, M.D.
Los Angeles, CA

Kurt W. Deuschle, M.D.
New York, NY

Arthur Donovan, M.D.
Los Angeles, CA

John Duhring, M.D.
Toledo, OH

Shervert H. Frazier, M.D.
Belmont, MA

John Fry, M.D.
Beckenham, England

Denis Pereira Gray, M.D.
Exeter, England

A. Dale Gullede, M.D.
Fort Lauderdale, FL

Neal Krause, Ph.D.
Ann Arbor, MI

Thomas K. Oliver, Jr., M.D.
Chapel Hill, NC

Edmund Pellegrino, M.D.
Washington, DC

Donald I. Rice, M.D.
Toronto, Canada

William Ross, M.D.
Dallas, TX

Jerome F. Wiot, M.D.
Cincinnati, OH

Sheldon M. Wolff, M.D.
Boston, MA

CONTENTS

ORIGINAL ARTICLES

Health and Poverty among Elderly Persons: A
Community-Oriented Primary Care Survey 231

*James N. Kvale, M.D., W.R. Gillanders, M.D.,
Terry F. Buss, Ph.D., C. Richard Hofstetter, Ph.D.,
and David Gemmel*

A Large-Scale, Office-Based Study Evaluates the Use
of a New Class of Nonsedating Antihistamines 241

A Report From CEN

Papanicolaou Smear Cell Recovery Techniques Used
by Primary Care Physicians 253

*Kathi D. Clement, M.D.,
and Pamela D. Christenson, Ph.D.*

Screening 1140 Fifth Graders for
Hypercholesterolemia: Family History
Inadequate to Predict Results 259

Marvin Moe Bell, M.D., and Sharon Joseph, R.N.

MEDICAL PRACTICE

Asymptomatic Rhabdomyolysis of Unknown
Etiology 265

*Michael T. Hagley, M.D.,
and James H. Sorrell, M.D.*

CLINICAL REVIEW

The Relation of Serum Cholesterol to Risk of
Coronary Heart Disease: Implications for the Elderly 271

James T. Pacala, M.D., M.S.

JABFP



The Journal of the American Board of Family Practice

VOLUME 3, NUMBER 4

OCTOBER-DECEMBER 1990

CONTENTS

Continued

CASE REPORTS

Malignant Melanoma Presenting as Nasal
Obstruction 283

*Robert W. Martin III, M.D.,
Charles R. Potter, M.D., W. Gerald Klingler, M.D.,
and Kenneth H. Neldner, M.D.*

Penetration of the Pericardium by a Gastric Ulcer—
Survival after Pericardiocentesis 289

Mary N. Hall, M.D., and John M. Little, Jr., M.D.

N-Acetylcysteine in the Treatment of Arsenic
Poisoning 293

*Debra S. Martin, M.D., Stephen E. Willis, M.D.,
and David M. Cline, M.D.*

CURRENT REPORT—HIV

AIDS at the Crossroads: A Report from the 1990
International Conference on AIDS—San Francisco 297

*Ronald H. Goldschmidt, M.D.,
Betty J. Dong, Pharm.D., George W. Saba, Ph.D.,
Priscilla A. DeRemer, N.P., M.S.,
and Jill J. Legg, M.D.*

EDITORIAL

Epidemiological Abuse 305

G. Gayle Stephens

Board News 310

Paul R. Young

CORRESPONDENCE 311

INDEX

Subject Index 314

Author Index 322

The *Journal of the American Board of Family Practice* (ISSN 0893-8652) is published four times a year in January, April, July, and October by the American Board of Family Practice, 2228 Young Drive, Lexington, KY 40505 with publishing services provided by the Massachusetts Medical Society, 1440 Main Street, Waltham, MA 02154.

Annual subscription rates: Institutions: \$50.00; Physicians: \$35.00; Residents/Students: \$20.00. For more information please refer to the Information for Readers page. Third-class postage paid at Lexington, KY and additional mailing offices. POSTMASTER: Send address changes to ABFP, 2228 Young Drive, Lexington, KY 40505.

© Copyright 1990 by the American Board of Family Practice. All rights reserved.

The *Journal* does not hold itself responsible for statements made by any contributor. Statements or opinions expressed in the *Journal* reflect the views of the author(s) and not the official policy of the American Board of Family Practice unless so stated.

Subject Index Volume III, 1990

Key to Abbreviations

ac – authors' comment
bn – board news, *Ex Concilio*
c – correspondence
cr – case report
crHIV – current report – HIV
e – editorial
ec – editorial comment

g – gleanings commonplace book
gs – guest essay
mp – medical practice
oa – original article
r – review
S – supplement
sp – special communication
x – correction

- Acidosis, Diabetic.** Diabetic ketoacidosis and pregnancy (Bertolino) 207-cr
- Acrochordons.** see Skin Diseases
- Activities of Daily Living.** Functional health status of relocated nursing home residents (Rogers & others) 157-oa
- Aged.** Functional health status of relocated nursing home residents (Rogers & others) 157-oa
- Health and poverty among elderly persons: a community-oriented primary care survey (Kvale & others) 231-oa
- Penetration of the pericardium by a gastric ulcer – survival after pericardiocentesis (Hall & Little) 289-cr
- The relation of serum cholesterol to risk of coronary heart disease: implications for the elderly (Pacala) 271-r
- AIDS Virus.** see HIV
- Alcoholism.** Computerized administration of alcoholism screening tests in a primary care setting (Barry & Fleming) 93-oa
- Algorithms.** Adverse drug reactions causing hospital admission in an elderly population: experience with a decision algorithm (Smucker & Kontak) 105-mp
- Allergy.** see Hypersensitivity
- American Board of Family Practice.** Board news (Young) 227-bn; 310-bn
- A chance for the generalist (Brucker) S15
- Epilogue (Young) S65
- Ex Concilio* (Pisacano) 68-bn; 137-bn
- If I were dean . . . (Petersdorf) S39
- Introductory remarks (Pisacano) S3
- Isn't it time for one family of generalists? The case for an American board of physicians (Benson) S29; (Gillette) 311-c; (Stringos) 311-c; (Greenberg) 311-c; (Benson) 312-ac
- Medical education for the twenty-first century (Ebert) S7
- Medical education: time for change – yes – but . . . (Pellegrino) S55
- Prologue (Young) S1
- Twenty years: more questions than answers (Pisacano) 63-e
- What medical graduates need to know but don't learn in medical school (Relman) S49
- Amylases.** Macroamylasemia: a simple stepwise approach to diagnosis (Yanovski & Gwirtsman) 140-c; (Parrish & LeVine) 140-ac
- Anemia, Pernicious.** Pernicious anemia, vitiligo, and infertility (Gulden) 217-cr
- Anesthesia, Local.** Dorsal penile nerve block during newborn circumcision: underutilization of a proven technique (Toffler & others) 171-mp; (Lerman) 312-c; (Toffler & others) 313-ac
- Angina Pectoris.** An exploratory report of chest pain in primary care (Report ASPN) 143-oa
- Anti-Inflammatory Agents, Nonsteroidal.** Selecting nonsteroidal anti-inflammatory drugs: pharmacological and clinical considerations (Gardner) 71-c; (Cauthen) 142-c; (Prichard & Miller) 142-ac
- Arsenic.** N-acetylcysteine in the treatment of human arsenic poisoning (Martin & others) 293-cr
- Astemizole.** A large-scale, office-based study evaluates the use of a new class of nonsedating antihistamines (CEN) 241-oa; (Young) 252-ec

- Azapirone.** Movement disorders and new azapirone anxiolytic drugs (Jann & others) 111-r
- Blood Pressure.** The association between marital adjustment and compliance with anti-hypertension regimens (Trevino & others) 17-oa
- Breast Neoplasms.** Breast screening practices among primary physicians: reality and potential (Rimer & others) 26-oa; (Nossaman) 140-c; (Rimer & Trock) 141-ac
- Improving mammography recommendation: a nurse-initiated intervention (Foley & others) 87-oa
- Breast Screening.** see Mammography
- Cerebral Palsy.** The effect of early referral and intervention on the developmentally disabled infant: evaluation at 18 months of age (Sharkey & others) 163-oa
- Cervix Neoplasms.** Factors associated with inadequate cervical cancer screening among lower income primary care patients (Lerman & others) 151-oa
- Papanicolaou smear cell recovery techniques used by primary care physicians (Clement & Christenson) 253-oa
- The postpartum Papanicolaou smear (Lindes) 70-c; (Weiss & Senf) 70-ac
- Chest Pain.** An exploratory report of chest pain in primary care (Report ASPN) 143-oa
- Chickenpox Virus.** see Varicella-Zoster Virus
- Child Development Disorders.** The effect of early referral and intervention on the developmentally disabled infant: evaluation at 18 months of age (Sharkey & others) 163-oa
- Chlamydia trachomatis.** *Chlamydia trachomatis* urethritis in university men: risk factors and rates (Leka & others) 81-oa
- Cholesterol.** The relation of serum cholesterol to risk of coronary heart disease: implications for the elderly (Pacala) 271-r
- Screening 1140 fifth graders for hypercholesterolemia: family history inadequate to predict results (Bell & Joseph) 259-oa
- Circumcision.** Dorsal penile nerve block during newborn circumcision: underutilization of a proven technique (Toffler & others) 171-mp; (Lerman) 312-c; (Toffler & others) 313-ac
- Clinical Trials.** A large-scale, office-based study evaluates the use of a new class of non-sedating antihistamines (CEN) 241-oa; (Young) 252-ec
- Colonic Neoplasms.** Colorectal cancer in patients aged less than 40 years (Varma & Sample) 54-cr
- Colonic Polyps.** Skin tags — a marker for colon polyps (Varma) 175-mp
- Colorectal Neoplasms.** Colorectal cancer in patients aged less than 40 years (Varma & Sample) 54-cr
- Communicable Disease Control.** Accidental exposure to HIV infection by health care workers (Goldschmidt) 129-crHIV
- Community Health Services.** Health and poverty among elderly persons: a community-oriented primary care survey (Kvale & others) 231-oa
- Compliance.** see Patient Compliance
- Computer Systems.** Computerized administration of alcoholism screening tests in a primary care setting (Barry & Fleming) 87-oa
- Grateful Med: getting started (Shearer & others) 35-mp; (Banahan) 141-c; (Robinson) 141-c
- Computer User Training.** Grateful Med: getting started (Shearer & others) 35-mp; (Banahan) 141-c; (Robinson) 141-c
- Contraceptive Devices, Female.** Vaginal diaphragm rings in the treatment of stress urinary incontinence (Realini & Walters) 99-mp
- Coronary Disease.** The relation of serum cholesterol to risk of coronary heart disease: implications for the elderly (Pacala) 271-r
- Creatine Kinase.** Asymptomatic rhabdomyolysis of unknown etiology (Hagley & Sorrell) 265-mp
- Cytology.** Factors associated with inadequate cervical cancer screening among lower income primary care patients (Lerman & others) 151-oa
- Papanicolaou smear cell recovery techniques used by primary care physicians (Clement & Christenson) 253-oa
- The postpartum Papanicolaou smear (Lindes) 70-c; (Weiss & Senf) 70-ac
- Delivery of Health Care.** Expanding the family practice model (Young) 133-e
- Dermatology.** Skin tags — a marker for colon polyps (Varma) 175-mp
- Developmental Delay Disorders.** see Child Development Disorders
- Diabetes Mellitus.** Diabetic ketoacidosis and pregnancy (Bertolino) 207-cr

- Diagnosis.** Adverse drug reactions causing hospital admission in an elderly population: experience with a decision algorithm (Smucker & Kontak) 105-mp
- Colorectal cancer in patients aged less than 40 years (Varma & Sample) 54-cr
- Diagnosis and management of infectious vaginitis (Quan) 195-r; (Fosmire) 313-c
- Easy questions, difficult answers (Stephens) 224-e
- Esophagogastroduodenoscopy by family physicians: a national multisite study of 717 procedures (Rodney & others) 73-oa; (Boss) 229-c; (Rodney) 230-ac
- An exploratory report of chest pain in primary care (Report ASPN) 143-oa
- Macroamylasemia: a simple stepwise approach to diagnosis (Yanovski & Gwirtsman) 140-c; (Parrish & LeVine) 140-ac
- Diagnosis, Laboratory.** The interstitial fluid pressure monitor: a device to aid in the determination of patient fluid requirements (Fisher & others) 7-oa; (Mansberger) 15-ec; (Fisher & others) 16-ac
- Laboratory testing for the presence of HIV infection and the progression of HIV disease (Goldschmidt) 60-crHIV
- Update. More on testing for HIV (Goldschmidt) 130-crHIV
- Disability Evaluation.** The effect of early referral and intervention on the developmentally disabled infant: evaluation at 18 months of age (Sharkey & others) 163-oa
- Drug Incompatibility.** Adverse drug reactions causing hospital admission in an elderly population: experience with a decision algorithm (Smucker & Kontak) 105-mp
- Drug Interactions.** Movement disorders and new azapirone anxiolytic drugs (Jann & others) 111-r
- Drug Therapy.** AIDS at the crossroads: a report from the 1990 international conference on AIDS—San Francisco (Goldschmidt & others) 297-crHIV
- A large-scale, office-based study evaluates the use of a new class of nonsedating antihistamines (CEN) 241-oa; (Young) 252-ec
- Movement disorders and new azapirone anxiolytic drugs (Jann & others) 111-r
- N-acetylcysteine in the treatment of human arsenic poisoning (Martin & others) 293-cr
- The primary care physician and thrombolytic therapy for acute myocardial infarction: comparison of intravenous streptokinase in community hospitals and the tertiary referral center (Taylor & others) 1-oa
- Selecting nonsteroidal anti-inflammatory drugs: pharmacological and clinical considerations (Gardner) 71-c; (Cauthen) 142-c; (Prichard & Miller) 142-ac
- Update. Dosage of zidovudine for treatment of AIDS (Goldschmidt) 131-crHIV
- Zidovudine for asymptomatic HIV-infected patients: answers and questions (Goldschmidt) 221-crHIV
- Education, Medical.** A chance for the generalist (Brucker) S15
- If I were dean . . . (Petersdorf) S39
- Introductory remarks (Pisacano) S1
- Isn't it time for one family of generalists? The case for an American board of physicians (Benson) S29; (Gillette) 311-c; (Stringos) 311-c; (Greenberg) 311-c; (Benson) 312-ac
- Medical education for the twenty-first century (Ebert) S7
- Medical education: time for change—yes—but . . . (Pellegrino) S55
- What medical graduates need to know but don't learn in medical school (Relman) S49
- Elderly.** see Geriatrics
- Endoscopy.** Esophagogastroduodenoscopy by family physicians: a national multisite study of 717 procedures (Rodney & others) 73-oa; (Boss) 229-c; (Rodney & others) 230-ac
- Enzyme-Linked Immunosorbent Assay.** Laboratory testing for the presence of HIV infection and the progression of HIV disease (Goldschmidt) 60-crHIV
- Epidemiology.** Epidemiological abuse (Stephens) 305-e
- Esophagogastroduodenoscopy.** Esophagogastroduodenoscopy by family physicians: a national multisite study of 717 procedures (Rodney & others) 73-oa; (Boss) 229-c; (Rodney & others) 230-ac
- Ethics, Medical.** Any more cordials to the drooping spirit? Professional ethics, 1847-1989 (Gillette) 71-c; (Stephens) 71-ec
- Ex Concilio.** see American Board of Family Practice
- Exercise.** Aerobic exercise during pregnancy (Snyder) 50-r

- Family Characteristics.** Screening 1140 fifth graders for hypercholesterolemia: family history inadequate to predict results (Bell & Joseph) 259-oa
- Family Physicians' Practice Patterns.** Family physicians and internists: differences in practice styles and proposed reasons (Bowman) 43-r
- Family Practice.** Breast screening practices among primary physicians: reality and potential (Rimer & others) 26-oa; (Nossaman) 140-c; (Rimer & Trock) 141-ac
- A chance for the generalist (Brucker) S15
- Epilogue (Young) S65
- Esophagogastroduodenoscopy by family physicians: a national multisite study of 717 procedures (Rodney & others) 73-oa; (Boss) 229-c; (Rodney & others) 230-ac
- Ex Concilio* (Pisacano) 137-bn
- Expanding the family practice model (Young) 133-e
- Family physicians and internists: differences in practice styles and proposed reasons (Bowman) 43-r
- Fin de siècle*: four modest wishes for family practice (Stephens) 65-e
- If I were dean . . . (Petersdorf) S39
- Introductory remarks (Pisacano) S3
- Isn't it time for one family of generalists? The case for an American board of physicians (Benson) S29; (Gillette) 311-c; (Stringos) 311-c; (Greenberg) 311-c; (Benson) 312-ac
- Medical education for the twenty-first century (Ebert) S7
- Medical education: time for change — yes — but . . . (Pellegrino) S55
- Prenatal care — a serious national dilemma (Young) 63-e; (Jack & Culpepper) 228-c; (Young) 229-ec
- Prologue (Young) S1
- Twenty years: more questions than answers (Pisacano) 63-e
- What medical graduates need to know but don't learn in medical school (Relman) S49
- Fluid Therapy.** The interstitial fluid pressure monitor: a device to aid in the determination of patient fluid requirements (Fisher & others) 7-oa; (Mansberger) 15-ec; (Fisher & others) 16-ac
- Fluorescent Antibody Technic.** Laboratory testing for the presence of HIV infection and the progression of HIV disease (Goldschmidt) 60-crHIV
- Gardnerella Vaginalis.** Diagnosis and management of infectious vaginitis (Quan) 195-r; (Fosmire) 313-c
- Geriatrics.** Adverse drug reactions causing hospital admission in an elderly population: experience with a decision algorithm (Smucker & Kontak) 105-mp
- Functional health status of relocated nursing home residents (Rogers & others) 157-oa
- Health and poverty among elderly persons: a community-oriented primary care survey (Kvale & others) 231-oa
- Penetration of the pericardium by a gastric ulcer — survival after pericardiocentesis (Hall & Little) 289-cr
- The relation of serum cholesterol to risk of coronary heart disease: implications for the elderly (Pacala) 271-r
- Handicapped.** The effect of early referral and intervention on the developmentally disabled infant: evaluation at 18 months of age (Sharkey & others) 163-oa
- Hay Fever.** A large-scale, office-based study evaluates the use of a new class of non-sedating antihistamines (CEN) 241-oa; (Young) 252-ec
- Health Planning.** Expanding the family practice model (Young) 133-e
- Health and poverty among elderly persons: a community-oriented primary care survey (Kvale & others) 231-oa
- Health Status.** Functional health status of relocated nursing home residents (Rogers & others) 157-oa
- Heart Diseases.** The relation of serum cholesterol to risk of coronary heart disease: implications for the elderly (Pacala) 271-r
- Herpes-Zoster Virus.** Varicella during pregnancy: the timing of effective treatment (Paulman & McLellan) 121-cr
- HIV.** Accidental exposure to HIV infection by health care workers (Goldschmidt) 129-crHIV
- AIDS at the crossroads: a report from the 1990 international conference on AIDS — San Francisco (Goldschmidt & others) 297-crHIV
- Human immunodeficiency virus and the fetus (Fletcher) 181-r
- Laboratory testing for the presence of HIV infection and the progression of HIV disease (Goldschmidt) 60-crHIV
- Updates. Dosage of zidovudine for treatment of AIDS (Goldschmidt) 131-crHIV

- Updates. More on testing for HIV (Goldschmidt) 130-crHIV
- Zidovudine for asymptomatic HIV-infected patients: answers and questions (Goldschmidt) 221-crHIV
- Hospitals, Rural.** The primary care physician and thrombolytic therapy for acute myocardial infarction: comparison of intravenous streptokinase in community hospitals and the tertiary referral center (Taylor & others) 1-oa
- Hypercholesterolemia.** The relation of serum cholesterol to risk of coronary heart disease: implications for the elderly (Pacala) 271-r
- Screening 1140 fifth graders for hypercholesterolemia: family history inadequate to predict results (Bell & Joseph) 259-oa
- Hyperlipidemia.** The relation of serum cholesterol to risk of coronary heart disease: implications for the elderly (Pacala) 271-r
- Hypersensitivity.** A large-scale, office-based study evaluates the use of a new class of non-sedating antihistamines (CEN) 241-oa; (Young) 252-ec
- Hypertension.** The association between marital adjustment and compliance with anti-hypertension regimens (Trevino & others) 17-oa
- Immunoassay.** Laboratory testing for the presence of HIV infection and the progression of HIV disease (Goldschmidt) 60-crHIV
- Infarction.** The primary care physician and thrombolytic therapy for acute myocardial infarction: comparison of intravenous streptokinase in community hospitals and the tertiary referral center (Taylor & others) 1-oa
- Infertility, Female.** Pernicious anemia, vitiligo, and infertility (Gulden) 217-cr
- Influenza.** Asymptomatic rhabdomyolysis of unknown etiology (Hagley & Sorrell) 265-mp
- Information Systems.** Computerized administration of alcoholism screening tests in a primary care setting (Barry & Fleming) 93-oa
- Grateful Med: getting started (Shearer & others) 35-mp; (Banahan) 141-c; (Robinson) 141-c
- Internal Medicine.** A chance for the generalist (Brucker) S15
- Family physicians and internists: differences in practice styles and proposed reasons (Bowman) 43-r
- Isn't it time for one family of generalists? The case for an American board of physicians (Benson) S29; (Gillette) 311-c; (Stringos) 311-c; (Greenberg) 311-c; (Benson) 312-ac
- Intestinal Neoplasms.** Colorectal cancer in patients aged less than 40 years (Varma & Sample) 54-cr
- Journal of the American Board of Family Practice.** Editors' note 69-e; 142-x
- Writing about writing, part III: twenty common word usage errors (Stephens & Stockham) 133-e
- Ketosis.** Diabetic ketoacidosis and pregnancy (Bertolino) 207-cr
- Laboratory Diagnosis.** see Diagnosis, Laboratory
- Long-Term Care.** Functional health status of relocated nursing home residents (Rogers & others) 157-oa
- Macroamylasemia.** Macroamylasemia: a simple stepwise approach to diagnosis (Yanovski & Gwirtsman) 140-c; (Parrish & LeVine) 140-ac
- Malignant Hyperthermia.** Asymptomatic rhabdomyolysis of unknown etiology (Hagley & Sorrell) 265-mp
- Mammography.** Breast screening practices among primary physicians: reality and potential (Rimer & others) 16-oa; (Nossaman) 140-c; (Rimer & Trock) 141-ac
- Improving mammography recommendation: a nurse-initiated intervention (Foley & others) 87-oa; (Hahn) 229-c; (Foley) 229-ac
- Marital Relationship.** The association between marital adjustment and compliance with antihypertension regimens (Trevino & others) 17-oa
- Medical Informatics.** Computerized administration of alcoholism screening tests in a primary care setting (Barry & Fleming) 93-oa
- Melanoma.** Malignant melanoma presenting as nasal obstruction (Martin & others) 283-cr
- Myocardial Infarction.** The primary care physician and thrombolytic therapy for acute myocardial infarction: comparison of intravenous streptokinase in community hospitals and the tertiary referral center (Taylor & others) 1-oa
- N-Acetylcysteine.** N-acetylcysteine in the treatment of human arsenic poisoning (Martin & others) 293-cr
- Nasal Cavity.** Malignant melanoma presenting as nasal obstruction (Martin & others) 283-cr

- Neonatology.** Dorsal penile nerve block during newborn circumcision: underutilization of a proven technique (Toffler & others) 171-mp; (Lerman) 312-c; (Toffler & others) 313-ac
Human immunodeficiency virus and the fetus (Fletcher) 181-r
- Nose Neoplasms.** Malignant melanoma presenting as nasal obstruction (Martin & others) 283-cr
- Nurses.** Improving mammography recommendation: a nurse-initiated intervention (Foley & others) 87-oa; (Hahn) 229-c; (Foley) 229-ac
- Nursing Homes.** Functional health status of relocated nursing home residents (Rogers & others) 157-oa
- Obstetrics.** Aerobic exercise during pregnancy (Snyder) 50-r
Diabetic ketoacidosis and pregnancy (Bertolino) 207-cr
Heterotopic pregnancy: a reevaluation (Bright & Gaupp) 125-cr
Prenatal care — a serious national dilemma (Young) 63-e; (Jack & Culpepper) 228-c; (Young) 229-ec
Smoking cessation during pregnancy: strategies used by Michigan family physicians (Hickner & others) 39-mp
Varicella during pregnancy: the timing of effective treatment (Paulman & McLellan) 121-cr
- Office Management.** Improving mammography recommendation: a nurse-initiated intervention (Foley & others) 87-oa
- Office Nursing.** Improving mammography recommendation: a nurse-initiated intervention (Foley & others) 87-oa
- Patient Compliance.** The association between marital adjustment and compliance with anti-hypertension regimens (Trevino & others) 17-oa
- Improving mammography recommendation: a nurse-initiated intervention (Foley & others) 87-oa; (Hahn) 229-c; (Foley) 229-ac
- Peptic Ulcer.** Penetration of the pericardium by a gastric ulcer: survival after pericardiocentesis (Hall & Little) 289-cr
- Pericarditis.** Penetration of the pericardium by a gastric ulcer — survival after pericardiocentesis (Hall & Little) 289-cr
- Perinatology.** Human immunodeficiency virus and the fetus (Fletcher) 181-r
- Prenatal care — a serious national dilemma (Young) 63-r; (Jack & Culpepper) 228-c; (Young) 229-ec
- Pernicious Anemia.** see Anemia, Pernicious
- Physician Examination.** Breast screening practices among primary physicians: reality and potential (Rimer & others) 26-oa
- Physicians, Family.** Any more cordials to the drooping spirit? Professional ethics, 1847-1989 (Gillette) 71-c; (Stephens) 71-ec
Board news (Young) 227-bn; 310-bn
Breast screening practices among primary physicians: reality and potential (Rimer & others) 26-oa; (Nossaman) 140-c; (Rimer & Trock) 141-ac
Easy questions, difficult answers (Stephens) 224-e
Esophagogastroduodenoscopy by family physicians: a national multisite study of 717 procedures (Rodney & others) 73-oa; (Boss) 229-c; (Rodney & others) 230-ac
Ex concilio (Pisacano) 137-bn
An exploratory report of chest pain in primary care (Report ASPN) 143-oa
Smoking cessation during pregnancy: strategies used by Michigan family physicians (Hickner & others) 39-mp
- Physician-Patient Relations.** Any more cordials to the drooping spirit? Professional ethics, 1847-1989 (Gillette) 71-c; (Stephens) 71-ec
- Physician's Practice Patterns.** Papanicolaou smear cell recovery techniques used by primary care physicians (Clement & Christenson) 253-oa
- Pneumopericardium.** Penetration of the pericardium by a gastric ulcer — survival after pericardiocentesis (Hall & Little) 289-cr
- Poisoning.** N-acetylcysteine in the treatment of human arsenic poisoning (Martin & others) 293-cr
- Postnatal Care.** The postpartum Papanicolaou smear (Lindes) 70-c; (Weiss & Senf) 7-ac
- Poverty.** Health and poverty among elderly persons: a community-oriented primary care survey (Kvale & others) 231-oa
- Practice Management, Medical.** Family physicians and internists: differences in practice styles and proposed reasons (Bowman) 43-r
- Precancerous Conditions.** Factors associated with inadequate cervical cancer screening among lower income primary care patients (Lerman & others) 151-oa

- Papanicolaou smear cell recovery techniques used by primary care physicians (Clement & Christenson) 253-oa
- The postpartum Papanicolaou smear (Lindes) 70-c; (Weiss & Senf) 70-ac
- Pregnancy.** Aerobic exercise during pregnancy (Snyder) 50-r
- Diabetic ketoacidosis and pregnancy (Bertolino) 207-cr
- Heterotopic pregnancy: a reevaluation (Bright & Gaupp) 125-cr
- Prenatal care—a serious national dilemma (Young) 63-e; (Jack & Culpepper) 228-c; (Young) 229-ec
- Smoking cessation during pregnancy: strategies used by Michigan family physicians (Hickner & others) 39-mp
- Varicella during pregnancy: the timing of effective treatment (Paulman & McLellan) 121-cr
- Pregnancy, Multiple.** Heterotopic pregnancy: a reevaluation (Bright & Gaupp) 125-cr
- Prenatal Care.** Aerobic exercise during pregnancy (Snyder) 50-r
- Diabetic ketoacidosis and pregnancy (Bertolino) 207-cr
- Prenatal care—a serious national dilemma (Young) 63-r; (Jack & Culpepper) 228-c; (Young) 229-ec
- Pressure.** The interstitial fluid pressure monitor: a device to aid in the determination of patient fluid requirements (Fisher & others) 7-oa; (Mansberger) 15-ec; (Fisher & others) 16-ac
- Preventive Health Services.** Breast screening practices among primary physicians: reality and potential (Rimer & others) 26-oa
- Factors associated with inadequate cervical cancer screening among lower income primary care patients (Lerman & others) 151-oa
- Papanicolaou smear cell recovery techniques used by primary care physicians (Clement & Christenson) 253-oa
- Screening 1140 fifth graders for hypercholesterolemia: family history inadequate to predict results (Bell & Joseph) 259-oa
- Primary Health Care.** An exploratory report of chest pain in primary care (Report ASPN) 143-oa
- Factors associated with inadequate cervical cancer screening among lower income primary care patients (Lerman & others) 151-oa
- Health and poverty among elderly persons: a community-oriented primary care survey (Kvale & others) 231-oa
- Publishing.** Writing about writing, part III: twenty common word usage errors (Stephens & Stockham) 133-e
- Pulmonary Disorders.** see Chest Pain
- Rectal Neoplasms.** Colorectal cancer in patients aged less than 40 years (Varma & Sample) 54-cr
- Rhabdomyolysis.** Asymptomatic rhabdomyolysis of unknown etiology (Hagley & Sorrell) 265-mp
- Rhinitis, Allergic, Perennial.** A large-scale, office-based study evaluates the use of a new class of nonsedating antihistamines (CEN) 241-oa; (Young) 252-ec
- Rhinitis, Allergic, Seasonal.** see Hay Fever
- Role, Physicians.** Any more cordials to the drooping spirit? Professional ethics, 1847-1989 (Gillette) 71-c; (Stephens) 71-ec
- Sexually Transmitted Diseases.** Accidental exposure to HIV infection by health care workers (Goldschmidt) 129-crHIV
- AIDS at the crossroads: a report from the 1990 international conference on AIDS—San Francisco (Goldschmidt & others) 297-crHIV
- Chlamydia trachomatis* urethritis in university men: risk factors and rates (Leka & others) 81-oa
- Diagnosis and management of infectious vaginitis (Quan) 195-r; (Fosmire) 313-c
- Human immunodeficiency virus and the fetus (Fletcher) 181-r
- Laboratory testing for the presence of HIV infection and the progression of HIV disease (Goldschmidt) 60-crHIV
- Skin Diseases.** Skin tags—a marker for colon polyps (Varma) 175-mp
- Skin Tags.** see Skin Diseases
- Smoking.** Smoking cessation during pregnancy: strategies used by Michigan family physicians (Hickner & others) 39-mp
- Specialties, Medical.** *Ex Concilio* (Pisacano) 137-bn
- Family physicians and internists: differences in practice styles and proposed reasons (Bowman) 43-r
- Isn't it time for one family of generalists? The case for an American board of physicians (Benson) S29; (Gillette) 311-c; (Stringos) 311-c; (Greenberg) 311-c; (Benson) 312-ac

Twenty years: more questions than answers (Pisacano) 63-e

Streptokinase. The primary care physician and thrombolytic therapy for acute myocardial infarction: comparison of intravenous streptokinase in community hospitals and the tertiary referral center (Taylor & others) 1-0a

Stress. Vaginal diaphragm rings in the treatment of stress urinary incontinence (Realini & Walters) 99-mp

Technology, Medicine. The interstitial fluid pressure monitor: a device to aid in the determination of patient fluid requirements (Fisher & others) 7-0a; (Mansberger) 15-ec; (Fisher & others) 16-ac

Terfenadine. A large-scale, office-based study evaluates the use of a new class of nonsedating antihistamines (CEN) 241-0a; (Young) 252-ec

Thrombolytic Therapy. The primary care physician and thrombolytic therapy for acute myocardial infarction: comparison of intravenous streptokinase in community hospitals and the tertiary referral center (Taylor & others) 1-0a

Ulcer. Penetration of the pericardium by a gastric ulcer—survival after pericardiocentesis (Hall & Little) 289-cr

Urethritis. *Chlamydia trachomatis* urethritis in university men: risk factors and rates (Leka & others) 81-0a

Urinary Incontinence. Vaginal diaphragm rings in the treatment of stress urinary incontinence (Realini & Walters) 99-mp

Vaginitis. Diagnosis and management of infectious vaginitis (Quan) 195-r; (Fosmire) 313-c

Varicella-Zoster Virus. Varicella during pregnancy: the timing of effective treatment (Paulman & McLellan) 121-cr

Vitiligo. Pernicious anemia, vitiligo, and infertility (Gulden) 217-cr

World Health. Expanding the family practice model (Young) 133-e

Zidovudine. Updates. Dosage of zidovudine for treatment of AIDS (Goldschmidt) 131-crHIV

Zidovudine for asymptomatic HIV-infected patients: answers and questions (Goldschmidt) 221-crHIV

Author Index Volume III, 1990

Key to Abbreviations

ac – authors' comment
bn – board news, *Ex Concilio*
c – correspondence
cr – case report
crHIV – current report – HIV
e – editorial
ec – editorial comment

g – gleanings commonplace book
gs – guest essay
mp – medical practice
oa – original article
r – review
S – supplement
sp – special communication
x – correction

- Akers, J.P. 163-*oa*
Alvin, B.L. 163-*oa*
ASPN. 143-*oa*
Balshem, A. 26-*oa*
Banahan, B.F., Jr. 141-*c*
Barry, K.L. 93-*oa*
Bell, M.M. 259-*oa*
Benenson, A.S. 81-*oa*
Benson, J.A., Jr. S29; 312-*ac*
Bertolino, J.G. 207-*cr*
Borison, R.L. 111-*r*
Boss, D.J. 229-*c*
Bowman, M.A. 43-*r*
Bradford, C.R. 73-*oa*
Bright, D.A. 125-*cr*
Brody, D. 151-*oa*
Brucker, P.C. S15
Budenholzer, B.R. 163-*oa*
Buss, T.F. 231-*oa*
Caputo, C. 151-*oa*
Cauthen, D. 142-*c*
CEN. 241-*oa*
Christenson, P.D. 253-*oa*
Clement, K.D. 253-*oa*
Cline, D.M. 293-*cr*
Coleman, W.H. 73-*oa*
Cousineau, A. 39-*mp*
Cronin, C. 73-*oa*
Crump, W.J. 35-*mp*
Culpepper, L. 228-*c*
D'Amico, F. 87-*oa*
DeRemer, P.A. 297-*crHIV*
Dong, B.J. 297-*crHIV*
Dove, J.T. 1-*oa*
Ebert, R.H. S7
Engstrom, P.F. 26-*oa*
Fisher, A.S. 7-*oa*; 16-*ac*
Fisher, R.D. 7-*oa*; 16-*ac*
Fleming, M.F. 93-*oa*
Fletcher, J.L., Jr. 181-*r*
Foley, E.C. 87-*oa*; 229-*ac*
Formica, P. 157-*oa*
Fosmire, W. 313-*c*
Froemming, J.H. 111-*r*
Gardner, F.H. 71-*c*
Gaupp, F.B. 125-*cr*
Gelb, D.M. 73-*oa*
Gemmel, D. 231-*oa*
Gillanders, W.R. 231-*oa*
Gillette, R.D. 70-*c*; 311-*c*
Godreau, C.J. 73-*oa*
Goldschmidt, R.H. 60-*crHIV*; 129-*crHIV*;
221-*crHIV*; 297-*crHIV*
Greenberg, M.J. 311-*c*
Groff, J. 17-*oa*
Gulden, K.D. 217-*cr*
Gwirtsman, H.E. 140-*c*
Hagley, M.T. 265-*mp*
Hahn, D.L. 229-*c*
Hall, M.N. 289-*cr*
Hickner, J. 39-*mp*
Hocutt, J.E., Jr. 73-*oa*
Hofstetter, C.R. 231-*oa*
Jack, B.W. 228-*c*
Jann, M.W. 111-*r*
Jono, R.T. 17-*oa*
Joseph, S. 259-*oa*
Katholi, R.E. 1-*oa*
Klingler, W.G. 283-*cr*
Koester, D.L. 1-*oa*
Kontak, J.R. 105-*mp*
Kvale, J.N. 231-*oa*

- Legg, J.J. 297-crHIV
 Leka, T.W. 81-oa
 Lerman, C. 26-oa; 151-oa
 Lerman, S.I. 312-c
 LeVine, D. 140-c
 Lindes, C. 70-c
 Little, J.M., Jr. 289-cr
 McCann, L. 35-mp
 McLellan, R. 121-cr
 Mansberger, A.R., Jr. 15-ec
 Martin, D.S. 293-cr
 Martin, R.W., III. 283-cr
 Merenstein, J.H. 87-oa
 Messimer, S. 39-mp
 Mikell, F.L. 1-oa
 Miller, L.G. 142-c
 Moses, H.W. 1-oa
 Neldner, K.H. 283-cr
 Nossaman, N.J. 140-c
 Pacala, J.T. 271-r
 Palitz, M.E. 163-oa
 Papoff, P.M. 7-oa; 16-ac
 Parrish, D.O. 140-c
 Patrick, K. 81-oa
 Paulman, P.M. 121-cr
 Pellegrino, E.D. S55
 Petersdorf, R.G. S39
 Pisacano, N.J. 49-g; 63-e; 68-bn; 137-bn; S3
 Potter, C.R. 283-cr
 Prichard, J.G. 142-c
 Quan, M. 195-r
 Realini, J.P. 99-mp
 Reece, L.F. 163-oa
 Relman, A.S. S49
 Rimer, B.K. 26-oa; 141-ac
 Robinson, J.W. 141-c
 Rodney, W.M. 73-oa; 230-ac
 Rogers, J.C. 157-oa
 Rosan, J. 26-oa
 Rush, D. 142-x
 Rutherford, B.L. 163-oa
 Saba, G.W. 297-crHIV
 Sample, L. 54-cr
 Schneider, J.A. 1-oa
 Senf, J. 70-c
 Sharkey, M.A. 163-oa
 Shearer, B. 35-mp
 Sheffield, P. 157-oa
 Sinclair, A.E. 171-mp; 313-ac
 Smucker, W.D. 105-mp
 Snyder, J.L. 50-r
 Song, A. 1-oa
 Sorrell, J.H. 265-mp
 Stephens, G.G. 65-e; 71-ec; 133-e; 224-e; 305-e
 Stockham, A. 133-e
 Stringos, G. 311-c
 Stuart, M.R. 157-oa
 Swedberg, J.A. 73-oa
 Swee, D.E. 157-oa
 Taylor, G.J. 1-oa
 Toffler, W.L. 171-mp; 313-ac
 Trevino, D.B. 17-oa
 Trock, B. 26-oa; 141-ac
 Varma, J.R. 54-cr; 175-mp
 Walters, M.D. 99-mp
 Weber, J.R. 73-oa
 Weiss, B.D. 70-c
 Wellons, H.A. 1-oa
 White, K.A. 171-mp; 313-ac
 Willis, S.E. 293-cr
 Yanovski, S.Z. 140-c
 Young, E.H. 17-oa
 Young, P.R. 63-e; 133-e; S1; S65; 227-bn;
 229-ec; 252-ec; 310-bn