

Key-Note Addresses

Assessment Truths that We Hold as Self-Evident and Their Implications

S.M. Case

2

Adult Learning Theory, Prizes and Motivation: Fundamental Learning Issues

T.J. David, L. Patel

7

Summary of the Conference

G.R. Norman

11

The Student as Quality Controller

C.J.A.H. Prince, K. Visser

15

Does Clinical Performance Correlate with Physicians' Scores on Written Examinations?

P.G. Ramsey

19

Strategies for Effecting Change in Teaching Practices: A Review of Current Models

L.A. Wilkerson, D. Irby

23

Aims and Objectives

Northerners and Southerners: Two Approaches to Defining Core Content in Medical Education

J.G. Bligh, D.J. Prideaux

32

Core Clinical Content of Step 2 of the USMLE: Using Surgery as an Example

A.G. Greenburg, S.M. Case, G.S. Golden, D.E. Melnick

34

Determining Teaching Objectives for the Family Medicine Clerkship in Medical School: A National Delphi Survey

U. Milman, M. Alperin, R. van Raalte, S. Reis

37

Core Skills in Administering and Prescribing Drugs

P.A. O'Neill, T. Doman

40

Cross-Section of the Utrecht Medical Curriculum

J.A. Smal

43

Community Based Programmes

Community Health Issues of the New PBL Undergraduate Medical Curriculum at the University of Geneva: A Description

P. Chastonay, H. Stalder, F. Mottu, A. Rougemont, T. Perneger, A. Morabia, P. Huber, N.V. Vu

46

A Student Evaluation of Community Based Education in General Practice S.L. Hartley, J.H.S. Fuller, A. Berlin	49
Qualitative LEAP Project A. Hatim Ricardo, R.S. Salas-Perea	53
The Implementation of a Multi-Institution, Multi-Disciplinary Project to Develop Community Undergraduate Medical Education E.R. McLennan, M. Rickets, S.L. Hartley, K. Hoffmann, D. Gill, A. Berlin, J.H.S. Fuller	55

Continuing Medical Education

Interactive Continuing-Education Sessions: An Effective Way to Change Strategies? E. Crone-Kraaijeveld, L.W.A. van Suijlekom-Smit, H.J. Dokter	60
Can the Effect of Continuing Medical Education on Physician Performance Be Measured? A.J. Finestone, R.R. Smedley, A.I. Meyer	63
Academic Skills Training for Young General Practitioners: the New London Academic Training Scheme (LATS) G.K. Freeman, F. Smith, J.H.S. Fuller	65
Attendance at an Academic Meeting: Does It Change Clinical Practice C.R. Hutchison, M.D. McKee, D. Yoo	68
Increasing Physician Involvement in Cholesterol-Lowering Practices: the Role of Knowledge, Attitudes and Perceptions K.V. Mann, E.A. Lindsay, R.W. Putnam, D.A. Davis	71
Continuing Medical Education in University Hospital Centers Becomes Strategic C. Segouin, E. Rusch, M. Reninger	75
Continuous Built-in Evaluation of Participants' Motivation in PME and CME S. Wilm, M. Erbe	78

Curriculum Development

Design of an Integrative Course and Assessment Method The CIP (Comprehensive Integrative Puzzle) R. Ber	84
---	----

A Universal Scheme of Analysis of the Educational Processes and its Application to Health Sciences: Initial Premises and Hypotheses A. Boczkowski, J.A. Indulski	87
Experience with the Process of Curriculum Innovation D.A. Cook, A.H. Walji	91
Development of a Longitudinal Behavioural Medicine Continuity Curriculum for Third Year Medical Students R.A. Edelstein, V.M. Ranganath	94
Curriculum Information Management System: Structure and Process of Analysis with CATs P.K. Fullagar, E.R. Petrusa	97
Problem-Based Learning: Always Small or Sometimes Large? A.J. Gercama, R.O.B. Gans	101
Developing a Curriculum for Personal and Professional Development J. Gordon, S. Dunn	104
A Cross-Cultural Curriculum for Medical Students M. Hanson, M.L. Russell, A. Robb	106
Innovations in Medical Education: A Comparison of Canadian and European Medical Schools B. Klemenz, D. McSherry	109
The Teaching of Anatomy in the Integrated Medical Curriculum as Practised at the School of Medical Sciences, Universiti Sains Malaysia M. Othman	111
A Patient-Based Workshop in Anatomy for First Year Medical Students M.C.E. O'Driscoll	114
Responses of Female and Male Medical Students to Case-Based Learning Programme in Anatomy P.V. Peplow	118
The Use of Novel Educational Techniques in the Teaching of Molecular Cell Biology J. Szeberényi, N. Nusser, G. Boglári, L. Komáromy, M. Pap, Á. Sebok, G. Sétáló jr., A. Tigyi	121
A New Approach to the Teaching of Clinically Relevant Anatomical Sciences and Compassionate Medicine "Clinical Anatomy - The Structure of the Human Body" A.H. Walji, D. Begg, G. Buzzell, B. Stevenson	124

Examining Examinations

Maintaining and Enhancing Key Decision-Making Skills from Graduation into Practice: An Exploratory Study

G. Bordage, C.A. Brailovsky, T. Cohen, G. Page 128

Detection of Gender Differences in High-Stakes Performance SP-Based Examinations in Family Medicine

C.A. Brailovsky, P. Grand'Maison, F. Miller, P. Rainsberry 131

Preliminary Descriptive Analyses of the Performance of US Citizens Attending Foreign Medical Schools on USMLE Steps 1 and 2

S.M. Case, D.B. Swanson, D.R. Ripkey, L.T. Bowles, D.E. Melnick 135

Applying Learning Taxonomies to Test Items: Is a Fact an Artifact?

J.P.W. Cunningham, G.R. Norman, J.M. Blake, W.D. Dauphinee, D.E. Blackmore 139

The Risks of Thoroughness: Reliability and Validity of Global Ratings and Checklists in an OSCE

J.P.W. Cunningham, A.J. Neville, G.R. Norman 143

The Impact of Postgraduate Training on an Examination for Medical Licensure

G.F. Dillon, T.R. Henzel, W.P. Walsh 146

A Comparison of Conjoint Analysis with Other Approaches to Model Physician Policies in Scoring Complex Performance-Based Assessment

Y.V. Fan, S.G. Clyman, B.E. Clauser, T.W. Piemme, L. Chang, J. El-Bayoumi, G.L. Malakoff 149

A Comparison of Diagnostic Pattern Recognition Skills to Performance on a "High Stakes" OSCE

P.H. Harasym, N.G. Mohtadi, H. Henningsmoen 152

Knowledge on Skills: What is in the Name?

A.W.M. Kramer, J.C.M. Bloemen, J.J.M. Jansen 156

The Swiss Way to Score Multiple True-False Items: Theoretical and Empirical Evidence

R. Krebs 158

Retention and Forgetting of Biological Facts and Concepts, Learnt for the First Basic Science Exam, over a Two Year Period

R. Krebs, J.J. Guilbert, R. Hofer, R. Bloch 162

Spatial Abilities and Learning Modes in Anatomy Beginners

M. Lischka, G. Gittler 166

Examiner Differences in the Mini-CEX

J.J. Norcini, L.L. Blank, G.K. Arnold, H.R. Kimball 170

Repeated Assessment of Medical Knowledge During the Two Years of Clerkships

M.J. Quaak, J.A. Smal 173

Performance of Examinees from Foreign Schools on the Clinical Science Component of the United States Medical Licensing Examination D.R. Ripkey, S.M. Case, D.B. Swanson, D.E. Melnick, L.T. Bowles, N.E. Gary	175
Item Analysis in Clinical Encounter Scoring J. Roma, R. Gispert	179
The Use of Global Ratings in OSCE Station Scores A.I. Rothman, D.E. Blackmore, W.D. Dauphinee, R.K. Reznick	181
An Investigation of the Properties of Computer-Based Case Simulations J.D. Scheuneman, S.G. Clyman, Y.V. Fan	184
Performance of Examinees from Foreign Schools on the Basic Science Component of United States Medical Licensing Examination D.B. Swanson, S.M. Case, D.R. Ripkey, D.E. Melnick, L.T. Bowles, N.E. Gary	187
Analysis of the Use of Global Ratings by Standardized Patients and Physicians M. Tann, G.E. Amiel, A. Bitterman, R. Ber, R. Cohen	191
Comparing Reliabilities of True/False and Short-Answer Questions in Written Problem Solving Tests Th.J. ten Cate	193
Overcoming Difficulties in the Introduction of a Summative Assessment of Clinical Competence in a Brazilian Medical School L.E.A. Tronconi, M.L.V. Rodrigues, C.E. Piccinato, J.F.C. Figueiredo, L.C. Peres, A.R.L. Cianflone	197
Medical Student Perceptions of the Accuracy of Various New Clinical Evaluation Methods R.P. Usatine, R.A. Edelstein, A. Yajima, S.J. Slavin, M.S. Wilkes	200

Faculty Development

Re-engineering the Specialty Consult Paradigm: Extending the Generalist and Maximizing the Specialist Through Educational Reform B.A. Chernof, J.J. Guterman, M. Heckman, M. Esquivel, C.S. Hodgson	204
Developing Staff: Developing Stations A Dental Objective Structured Clinical Examination (OSCE) Activity Day J.E.C. Davis, H. Fry, A. Jones	207
The Training and Education of Osteopathic Practitioners to Become External Examiners in Clinical Competence D.R. Edwards	210
Educational Training of Medical Teachers: Recent Developments in the Netherlands C.R.M.G. Fluit, A.J.J.A. Scherpbier, J.C.M. Metz	213

A Qualitative Study of Faculty Techniques for Giving Feedback to Interns Following an Observed Standardized Patient Encounter A.W. Frye, M.A. Hollingsworth, A. Wymer, A. Hinds	216
Improving Clinical Teaching Skills Using Interaction Analysis J.H. George	220
Assessment of Needs and Perceived Competence of Novice Clinical Teachers D. Gill, M. Rickets, E.R. McLennan	223
Multiple Station Exams and Teaching Exercises (MSEs) for Teaching about Teaching E. Krajic Kachur	226
Development of a Medical Education Journal Club E. Krajic Kachur	228
Assessing the Implementation of Teaching Portfolios in the Academic Medical Center L.S. Lee, R.C. Froh, E.R. Petrusa	231
Faculty Development and Primary Health Care Education in China H. Liu, D.H. Zhou, D.L. Fink, J.E. Rodnick, H.Z. Yuan, K. Lin, L.Y. Wang, F. Lu, A.I. Sutnick	234
Long-Term Impact of Faculty Development Workshops: A Pilot Study L. Nasmith, A. Saroyan, Y. Steinert, N. Daigle, E.D. Franco	237
Tutor Training for Problem-Based Learning: The Experience of a Large Medical School D.A. Price	241
Planning Frameworks and Staff Participation: Changing to a Graduate Entry, Problem-Based Medical Course D.J. Prideaux	244
Determining the Change in Staff Attitudes during Training in Preparation for Radical Change from a Traditional Curriculum to Problem-Based Learning D.C.M. Taylor, E.A. Jump	247
A Prospective Analysis Instrument for a Medical Education Centre Y. Urdaneta	249

Family Medicine

A Treasure Discovered by Dutch Students in Canada; Results of a Student Exchange Program in Family Medicine R.J.M. Boot, S.E.M. Houben, M. Wijma, G.J. Dinant	252
The Family Medicine Clerkship: Comparison of Two Programs in Different Continents R.J.M. Boot, M. Tarrant, J.M.H. Op 't Root	256

Defensibility of Competency Assessments of Practising Family Physicians	
J.P.W. Cunningham, E. Hanna, J. Turnbull, T. Kaigas, G.R. Norman	259
Innovations in Physician Performance Enhancement-Communication Skills	
T. De Cloedt, G. Schnabl	263
Training of GP Trainers in Flanders (Belgium)	
A.G.M. Derese, D.R. Leroy	265
How Students Learn from Ambulatory Preceptors: Critical Incidents	
R.M. Epstein, D. Cole, B. Gawinski, N. Ruddy, S. Lee	268
Alternative Routes to Vocational Training for General Practitioners in Australia	
G. Holsgrove, B. Jolly, A. Jones, L. Southgate	272
A Tool for Assessing the Readiness of Family Physician Practices to Adopt Prevention Strategies	
P.A. Jennett, K. Premkumar, W.R. Elford, L. Meadows, R. Renger	275
Competence of Trainees for GP at the Start of Their Training	
P. Ket, H. Düsman, L.H.C. Tan, E. Schadé, R.P.T.M. Grol, C.P.M. van der Vleuten	278
Undergraduate Medical Education in Family Medicine in Slovenia	
M. Kolsek	282
Educational Objectives and Requirements of an Undergraduate Clerkship in General Practice: To Which Extent do General Practice Teachers Achieve These?	
F.M.J.G. Martens, C.P.M. van der Vleuten, R.P.T.M. Grol, J.M.H. Op 't Root, H.F.J.M. Crebolder, J.J. Rethans	284
The Comprehensive Assessment Project in Continuing Medical Education of GPs	
P. Ram, J.J. Rethans, R.P.T.M. Grol, C.P.M. van der Vleuten	287
Hospital Clinicians and General Practitioners Working Together to Teach Medical Students	
M. Rickets, E.R. McLennan, P.G. Kopelman	290
Constructing a Congruent Curriculum for the Vocational Training of GPs	
E. Runia	292
Improving the Quality of Tutorials in General Practice by Means of Instruction and Quality Assessment	
W. Slort, M. de Haan, G. van Staveren, P.L. Schoonheim	295
Evaluation of the Impact of Clinical Skills Teaching on General Practice	
J.A. Spencer, A.L. Robinson, A. Corradine, D.D. Smith	299

Is There a Difference in the Clinical Experience of Students with Diverse Career Interests? A Comparison Study within a Family Medicine Clerkship	
M. Tarrant, W. Woloschuk, H. Mandin	302

Use of Immediate Video Debriefing During Practice Teaching Visits	
C.A. Thompson	305

Gaining an Appreciation of Differing Ethnic Influences on General Practice in Western Australia	
C.A. Thompson, Training Program, RACGP	308

Final-Year Students' Experiential Learnings in Family Medicine at the University of Cape Town	
D. Whittaker	311

Perceived Learning Opportunities: Students' Expectations of a Family Medicine Clerkship	
W. Woloschuk, M. Tarrant, H. Mandin	313

Information Technology

Knowledge and Attitudes towards Computers among Graduates from Developing Countries	
A.M. Ahmed, G. Guerra, J. Giaconi, F. Piccinno	318

The Effectiveness of Interactive Multimedia as an Instructional Aid for Learning Basic Clinical Skills and Knowledge	
M. Broudo, M. White, D. Rodenburg, R. Arseneau, A. Chalmers, J. Wright, H. Mizgala, D. Lirenman	321

Computer Based Simulations as Adjuncts for Teaching and Evaluating Complex Clinical Skills	
R.A. Edelstein, S.G. Clyman	327

On-Line Evaluation of Teaching and Courses: The Methods, Practice, and Politics	
D.A. Lloyd	330

Disease-Class Specific, Computer Adaptive Testing on the World Wide Web	
F.J. Papa, D.G. Aldrich, R.C. Stone, R.E. Schumacker	333

The Effects of Visual Genetics on the Learning of Students in a Problem Based Curriculum	
B. Schutte, T de Goeij, W. de Grave, A.M. Koehorst	336

The Internet as a Cross-Disciplinary Learning Environment	
M.L. Walker	339

Teaching Skills for Accessing and Interpreting Information from Systematic Reviews/Meta-analyses, Practice Guidelines, and the Internet	
F.M. Wolf, J.G. Miller, L.D. Gruppen, W.D. Enslinger	342

Innovations in Assessment

Testing Psychiatric Diagnostic Recognition Skills with Video Vignettes J.B. Battles, D.J. Crowder, D.A. Miller, J.A. Sadler, P.C. Mohl, D.D. McIntire	348
A Method for Developing Interdisciplinary Examinations to Test Application of Knowledge by Students in a PBL Curriculum M.G. Camp	351
The Diagnostic Schema Questionnaire: A New Tool to Assess a Specific Dimension of Clinical Competence B. Charlin, C. Leduc, C.A. Brailovsky, D. Blouin, R. Hivon	354
The Contribution to Final Clinical Competence of Preparing and Presenting a Dissertation within an Undergraduate Course in Osteopathy D.R. Edwards	357
The Use of a Neural Net to Reproduce and Assess a Physician's Clinical Diagnostic Skills P.H. Harasym, F.J. Papa, R. Stone, D. Aldrich	359
Developing Written Assessments for Use in Advanced Life Support Courses G. Holsgrove, G. Bowler, M. Elzubeir	363
Maintaining Content Validity in Computerized Adaptive Testing R.M. Luecht, A. De Champlain, R.J. Nungester	366
Assessment of Self Directed Learning P. McCrorie	370
Developing In-Course and Final Assessments in a New Dental Curriculum C. Mercer, G. Holsgrove	374
Development of Clinical Reasoning Exercises in a Problem-Based Curriculum A.J. Neville, J.P.W. Cunningham, G.R. Norman	377
'Disease Class-Specific, Typicality-Graded' Test Case Vignettes: Towards 'Construct-Referenced' Assessments of Diagnostic Performance F.J. Papa, R.C. Stone, D.G. Aldrich, R.E. Schumacker, P.H. Harasym	380
Fair Reliable Essay Examinations for a Problem Based Curriculum J.R. Philp, A.W. Frye, L.D. Cariaga-Lo, B. Richards, E. Bradley	383
Critical Thinking in Medical School Exams T.M. Scott, L.L. Chafe	387
The Assessment of Higher Level Cognitive Objectives in Undergraduate Medical Students Using a Clinical Audit Project F. Sullivan, J. Morrison	390

Medical Students' Ability to Self Assess Knowledge and Skill Levels: Findings from One Class of Seniors C. White, J.T. Fitzgerald, W.K. Davis, L.D. Gruppen, G. Regehr, M.A. McQuillan, M.L. Barclay, T.J. Bergstrom, K.R. Chamberlain, A.J. Zweifler	395
---	-----

Clinical Skills Assessment at NEOUCOM: A Description L.F. Wilkinson, L.P. Pethtel	397
---	-----

OSCE

A Combined Structured Oral Examination (SOE) and OSCE for the Assessment of Clinical Competence G.E. Amiel, M. Tann, M. Krausz, A. Bitterman, R. Cohen	402
--	-----

An OSCE Trial in Japan: Feasibility and Correlation with a Written Test N. Ban, M. Hatao, J. Ohtaki, T. Saito, K. Matsueda, Y. Izumi, M. Kusumoto, S. Hosoda	404
---	-----

OSCE Stations for the Longitudinal Assessment of Cancer Screening and Detection J.B. Battles, S.J. Sprankell, L. Baker, M. Becker, G. Camp, C. Browne, S. Morell, J.R. Bowling, J. Shores, E. Buck, C.O. Frates, J.B. Green, G. Smith, B.C. Pence, A. Weinberg, L. Laufman, B.U. Philips	407
---	-----

Assessing the Adequacy of the Post-Encounter Written Scores in Standardized Patient Exams J. Boulet, M. Friedman Ben-David, R. Hambleton, W.P. Burdick, A. Ziv	410
---	-----

Reproducibility of Emergency Medicine Standardized Patient Cases from Philadelphia to Barcelona W.P. Burdick, R Pujol-Farriols, J.M. Martinez-Carretero, R Descarrega, M Friedman Ben-David, J. Boulet	413
---	-----

Using the Rasch Model to Equate Alternate Forms for Performance Assessments of Physician's Clinical Skills B.E. Clauser, L.P. Ross, R.M. Luecht, R.J. Nungester, S.G. Clyman	416
---	-----

Regression-Based Weighting of Items on Standardized Patient Checklists B.E. Clauser, M.J. Margolis, L.P. Ross, R.J. Nungester, D.J. Klass	420
---	-----

A Large-Scale Study of the Reliabilities of Checklist Scores and Ratings of Components of Interpersonal and Communication Skills Evaluated on a SP Examination D.S. Cohen, J.A. Colliver, R.S. Robbs, M.H. Swartz	424
---	-----

Clinical Assessment in an Academic Environment: To Do or Not To Do? D.H. Davis, B. Hill	427
---	-----

Academic Assessment of Clinical Skills Inferences of Predictive Validity D.H. Davis, B. Hill	430
--	-----

The Effect of ECG Instructional Materials on Medical Students' Reasoning Strategy

R.A. Hatala, G.R. Norman, J.P.W. Cunnington, L.R. Brooks 611

Reflective Practice and Clinical Placements

J.M. Kelly 615

Student Thought Processes Evoked by Multiple Choice and Constructed Response Items

T.O. Maguire, E.N. Skakun, O.H. Triska 618

Use of a "Scheme" Approach to Problem Solving during a Family Medicine Clerkship

H. Mandin, W. Woloschuk, M. Tarrant, P.H. Harasym 622

Expert-Novice Differences in the Use of History and Visual Information from Patients

G.R. Norman, L.R. Brooks, J.P.W. Cunnington, V. Shali, M. Marriott, G. Regehr 625

A Comparison of Expert Clinician and Expert Student Reasoning on Multiple Choice Items

O.H. Triska, T.O. Maguire, E.N. Skakun 629

Medical Students' Learning Strategies in Problem-Based Learning and Traditional Courses

R.A. Woodhouse, M.D. Delva, A.F. Hadwin, R.V. Birtwhistle, J.R. Kirby, C. Knapper 632

Selection

Experience With a Selection Method for Admittance to the Universidad Nacional De Cuyo Medical Sciences School

A. Binia, A.S. Ciccarelli, A.M. Ortiz 636

Beliefs in Personal Control, Styles of Learning and the Prediction of Academic Performance of Student Health Professionals

P. Eachus 638

The Effect of Changing Selection Procedures and the Pre-Entry Experience of Intending Students of Osteopathy

D.R. Edwards 643

The Reliability of a Personal Statement as a Selection Tool in the Admissions Process

M. Nayer, J. Howe 646

Setting Standards

Using an Algebraic Inversion of the Dependability Index to Determine Pass/Fail Criteria for Clinical Performance Examinations

J.B. Battles, D.D. McIntire, J.L. Carpenter, J.M. Wagner 652

**Optimizing the Input of Physician Examiners in
Setting Standards for a Large Scale OSCE:
Experience with Part II of the Qualifying Examination
of the Medical Council of Canada**

W.D. Dauphinee, D.E. Blackmore, S.M. Smee, A.I. Rothman,
R.K. Reznick

656

**Student and Faculty Ratings of Task Difficulty in
Predicting Performance on a Clinical-Skills Exam**

J.T. Fitzgerald, L.D. Gruppen, C. White, W.K. Davis, M.L. Barclay,
T.J. Bergstrom, K.R. Chamberlain, M.A. McQuillan, A.J. Zweifler

659

**The Use of Critical Stations to Determine Clinical
Competency in a "High Stakes" OSCE**

P.H. Harasym, N.G. Mohtadi, H. Henningsmoen

661

**Relative and Absolute Standards in Assessing
Medical Knowledge**

A.M.M. Muijtjens, R.J.I. Hoogenboom, G.M. Verwijnen,
C.P.M. van der Vleuten

665

**Competence Judgments as an Approach to
Standard Setting for Multiple Choice Items**

E.N. Skakun, T.O. Maguire

668

**Variations on a Theme: Scoring the Clinical Skills
Assessment**

L.F. Wilkinson, N.M. Cuevas

671

Skills Training

**Do Medical Students Believe that Communication
Skills can be Learned?**

A. Cushing, E. Najberg, P. Hajek

676

**Design and Development of the New Preclinical
Practice Skills (CPS) Program at the University of
Geneva**

P. Huber, A. Perrier, J.F. Balavoine, M. Archinard,
D. Lefebvre, N.V. Vu

679

**The Effectiveness of a Technical Skills Course for
Surgical Residents**

C.R. Hutchison, M. Brown, G. Regehr, D.J. Backstein,
J.J. Mumaghan, R.K. Reznick

682

**Development of Interviewing Skills in a Problem-
Based Medical Curriculum**

D.M. Kaufman, B.L. Prime-Walker, K.V. Mann, P. Andreou

685

**Pediatric Simulated Scenarios in Undergraduate
Medical Teaching-Exposure to the Under Fives**

M. Kavanagh, K.D. Blake

689

**An Innovative Course Combining the Acquisition of
Communication Skills with First Year Medical
Student's Perception of their Psychosocial Role in
Primary Care**

M. Perleth, J. Collatz, G.C. Fischer

692

The Social History: A Vanishing Portion of the Medical Interview

C.A. Pfeiffer, H. Madray, A.J. Ardolino, J.L. Willms

695

Standardized Patients

Using Standardized Patients in the Time-in/Time-out Interviewing Technique

M. Cantrell, J.K. Heard, M. Lindsey, E. Cleveland

700

Training Standardized Patients to Provide Feedback for Ethics Teaching

S.M. Dyer, S.M. Smee, V. Sweeney, A. Browne, S. Clifford

703

Volunteers and Standardized Patients in Health Sciences Education: Our Experience in Fostering a Valuable Community Resource

B. Fletcher, D. Morales

706

The Incorporation of Standardized Patients into a Continuing Education Conference on Child Abuse

C.W. Gowen, G. Gliva-McConvey

709

Health Care Perceptions: Do They Change for the Standardized Patient?

N.J. Rubin, E.B. Philp, J.A. Hartman

711

Advancing the Use of Standardized Patients: A Workshop for the Consortium of Thai Medical Schools

S.M. Smee, V. Sumawong

714

Using Standardized Patients to Assess Clinical Competence in the Primary Care of Pediatric Cancer Patients

S.J. Sprankell

717

Using Standardized Patients to Develop Clinical Competence in the Delivery of Bad News

S.J. Sprankell

719

Using SPs for Teaching and Assessing Clinical Skills for Encounters with Patients with Problems of Substance Abuse, Pain Control, and AIDS

B. Stimmel, J.A. Colliver, D.S. Cohen, L. Smith, M.H. Swartz

722

The Validity of Standardized Patient Assessment Using Faculty-Physician Global Ratings as the Gold-Standard Criterion

M.H. Swartz, J.A. Colliver, C.L. Bardes, R. Charon, E.D. Fried, S. Moroff

725

The Use of Standardized Patients in a First-Year Problem-Based Learning Introduction to Clinical Medicine Course

J.W. Tysinger, J.M. Wagner, L.K. Klonis, J.Z. Sadler

728

Predicting Performance Through Clinical Skills Assessment with Standardized Patients

M. Vadillo, R. Pujol-Farriols, J. Roma, J.M. Martinez-Carretero

732

Sequential Testing in a Standardized Patient Based Test

F.H.M. van Vollenhoven, S.J. van Luijk, A.M.M. Muijtjens 734

Cognitive Strategies used in Standardized Patients' Checklist Recording

Y. Wang, G. Gliva-McConvey 737

Teaching and Learning

Educating Medical Students on Cultural and Societal Issues in the Health Care of Diverse Population Groups

L.D. Cariaga-Lo 740

Differences Between First and Fourth Year Medical Students in their Attitudes Toward Primary Care

B.G. Ferrell 742

Comparing a Four-Week Block Clerkship to a Twelve-Week Longitudinal Experience in Family Medicine

B.G. Ferrell, D.L. Camp 744

Moral Development During Surgical Residency Training

J.H. George 747

The Effects of Trainings During the Vocational Training for General Practitioners on the Quality of Trainee's Consultation Behaviour with Standardized Patients

J. Goedhuys 749

Presentation Skills: a Course for Students on Voice Production and Confidence-Building

L.E. Gray, P. McCrorie, A. Cushing 753

Comparing Two Formats for Practising Electrocardiograph Interpretation

L.D. Gruppen, C.M. Grum, J.T. Fitzgerald, M.A. McQuillan 756

Inter-Disciplinary Clinical Teaching

R.B. Hays, P.R. Mudge, P.C. Veitch, J. Harte, J.T. La Brooy 759

Designing Basic Medical Education in Nijmegen

R.S.G. Holdrinet, B. Oeseburg, J.A. Bulte, R.R.M. Leunissen 762

Using Literature to Learn About and From the Elderly

P.M. Jucovy 765

An Environment for the Development and Presentation of Computerized Cases to Learn Diagnostic Reasoning

A.M. Koehorst, C.F.M. Ronteltap 769

Interprofessional Teaching for Clinical Skills

P.G. Kopelman, M.J. Nicol, D.S. Freeth 774

Presentation Skills; a Student Learning-Activity

R.C. Ladage, E. Crone-Kraaijeveld 777

Projects - Are They Worth All the Hassle? P. McCrorie, G. Harris, S.G. Welch	780
Video-Based Supplemental Instruction (VSI) as an Integral Part of an Academic Support and Development Program P.P.C. Nel, A.A. Beylefeld, M.M. Nel	784
New Horizons in Surgical Teaching: Undergraduate Medical Teaching in Day Surgery M.C.E. O'Driscoll, G.E. Rudkin, V.M.Carty, G.J. Maddern	787
Mentoring Undergraduate Medical Students: A Study of Organizational Aspects P.A. Poldre, A. Rachlis	790
Learning About Learning: A Course for Incoming Medical and Dental Undergraduates J. Reidy, M. Wilde, G. Holsgrove	793
Critical Thinking, Evidence-Based Medicine and Clinical Practice T.M. Scott	795
Comparing Medical Knowledge of Osteopathic Trainees in DO and MD Programs: A Random Effect Meta-Analysis L. Shen	798

The Influence of Neuro-Cognitive Modelling and Philosophy on Issues of Curriculum and Assessment in Medical Education R.C. Stone, F.J. Papa, D.G. Aldrich	801
What Students Want from Their Pastoral Care System D.C.M. Taylor	803
Addressing Telephone Medicine in Medical School Education R.P. Usatine, S.J. Slavin, M.S. Wilkes	805
Teaching Clinical Decision Making and Cost- Effectiveness in Medical School: A Simulated Back Pain Case R.P. Usatine, S.J. Slavin, M.S. Wilkes	807
Implementation of a “Well Physician” Course for Students: A Formative Evaluation W. Woloschuk, J. Wright, M. McBean, H. Mandin	809
The Impact of Curriculum Change on Student Stress and Workload W. Woloschuk, H. Mandin, P.H. Harasym	812
Authors Index	815
Subject Index	819