

Dave Mazierski, B.Sc.AAM
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EDUCATION

1979 - 1982 B.Sc.AAM in Art as Applied to Medicine, Faculty of Medicine, University of Toronto, Ontario.
Graduated with Honors, June 1982.

1975 - 1979 Enrolled in B. A. in Art program, State University College, Buffalo, New York.
Transferred to B.Sc.AAM, University of Toronto, 1979.

TEACHING EXPERIENCE

1986 - *present* Associate Professor, Division of Biomedical Communications,
Department of Surgery, Faculty of Medicine, University of Toronto.
Principal Instructor:
MSC2003Y-1 Image Creation
MSC2003Y-2 Electronic Design

Co-instructor:
MSC20035S Evolution of Medical Illustration

MScBMC Secondary Supervisor: Master's Research Paper

2002-2003 Marisa Bonofiglio, "Communicating lung physiology to parents through the use of dynamic visual metaphors"

2002-2003 Teresa McLaren, "Designing a website on child digestive physiology: the importance of navigational design and text/animation coordination"

2000-2001 Pascale Tranchemontagne, "Enhancing understanding of the transverse rectus abdominus myocutaneous (TRAM) flap procedure through the identification of key landmarks and the use of two-dimensional animation"

1999-2000 Monique LeBlanc, "An animated visualization of the triggers and pathophysiology during an episode of allergic asthma"

1998-1999 Karen Petrucci, "The effect of animated visual cues on students' understanding and retention of dynamic physiological processes in diabetes"

1998-1999 Christine Kenny, "The role of the medical expert and the target audience in the creation of appropriate visuals for the Internet to help women understand treatment options for breast cancer"

1998- 1999 Jackie Shaw, "Designing a web site and life cycle metaphor to communicate the importance of early diagnosis of malaria to primary care physicians"

1998-1999 Nadav Kupiec, "Communicating intraventricular hemorrhage through animation to the parents of preterm infants"

1997- 1998 Jackie Robers, "Teaching peritonitis leading to sepsis to medical students using theories of design including perspective and light and shadow"

1996- 1998 Aimée Worrell, "Creation of an educational hypermedia module on internuclear ophthalmoplegia using clinical case video recordings, magnetic resonance images and 3D computer animation"

1996 - 1998 Kimberly Peter, "Interactive prototype design of a computer-assisted problem-based learning tutorial"

1994 - 1997 Computer Graphics instructor, International Academy of Design.
CG109: Digital Drawing II (Adobe Illustrator & Adobe Dimensions software for the Macintosh)

1984 Assistant Professor, University of Pretoria, Republic of South Africa.
Medical illustration workshops at the University of Pretoria, University of The Orange Free State (Bloemfontein) and University of Stellenbosch.

1981 - 1982 Neuroanatomy lab demonstrator, Department of Rehabilitation Medicine,
Faculty of Medicine, University of Toronto.

Professional Experience

1985 - present Freelance medical illustration in the Toronto, Ont. and Buffalo, N.Y. areas; Clients include surgeons at The Toronto Hospital, Mt. Sinai Hospital, The Hospital for Sick Children and Sunnybrook Medical Centre; Roswell Park Memorial and Children's Hospitals; B.C. Decker Publishing Inc., Lederle Pharmaceuticals, Rorer Canada, Bauer and Black, Nelson Canada, SPAR Aerospace and Andromeda Interactive.

1988 - 1994 IMS Creative Communications, University of Toronto. Senior Medical Illustrator, responsible for graphics and medical art, including traditional media as well as medical sculpture, computer illustration and computer animation. Clients include Thomson Healthcare Communications, Ontario Science Centre, Addiction Research Foundation, Williams & Wilkins and Burlex Canada.

1985 Freelance medical illustration, Equinox Oxford Publishing Ltd., Oxford, U.K. Color illustrations were executed for a book on anatomy and medicine for the general public.

1982 - 1984 Isan Center for Comparative Medicine, Ben Gurion University of the Negev, Beersheva, Israel; illustrator and photographer for *Anatomy of the Dromedary*, an atlas of camel anatomy for veterinary science, published by Oxford University Press.

PROFESSIONAL MEMBERSHIPS

1988 - present Association of Medical Illustrators, Professional status.

GRANTS AND AWARDS

1997 - 1999 Wiley M, Woolridge N, Wilson-Pauwels L, Mazierski D, Liebgott B. Provost's Technology Development Fund, University of Toronto. Anatomy 300Y Hypermedia Computer Laboratories for the Grant's Museum (\$37,000 matched by the Faculty of Medicine).

1997 Teaching Award, "Certificate of Appreciation for Excellence in Teaching", from Year I MScBMC students, Division of Biomedical Communications, Department of Surgery, Faculty of Medicine, University of Toronto

1993 - 1994 Woolridge N, Wilson-Pauwels L, Mazierski D. Spar Aerospace/Modus Integrated Media. Development Grant: Transvaginal Ultrasound Simulator (\$20,000).

1988 Association of Medical Illustrators Annual Meeting, Salon awards:
First place, medical book: *Anatomy of the dromedary*
Second place, medical tone: illustration

1982 - 1984 South African Associates of Ben-Gurion University, Johannesburg, South Africa. Funds for illustrating *Anatomy of the dromedary*: (\$7000 US). Published in 1987 by Oxford University Press.

PUBLICATIONS

TEXTBOOK ILLUSTRATION

Mah K, Martha J, McClelland L, Milross J, Neal J, Sandner L: Science in action 10 2002. Addison Wesley, Don Mills. (Mazierski D: 12 illustrations)

van Kessel H, Jenkins F, Davies L, Plumb D, Tompkins D, Di Giuseppe M, Lantz O: Nelson chemistry 12 2002. Nelson Thompson Learning, Scarborough. (Mazierski D: 10 illustrations)

Vavitsas A, Ritter B, Fraser D, Lisser B, Di Giuseppe M: Nelson biology 11 2002. Nelson Thompson Learning, Scarborough. (Mazierski D: 18 illustrations)

McDonnell J: The gift of the microscope. Casi 6 Junior reading assessments 2003. Nelson Thompson Learning, Scarborough. (Mazierski D: 5 illustrations)

Shulman, J: Winning the food fight 2003. John Wiley & Sons Canada Ltd, Toronto. (Mazierski D: 1 illustration)

Hansen A, Puder M: Manual of neonatal surgical intensive care 2002. B.C. Decker Inc, Hamilton. (Mazierski D: 6 illustrations)

Blitz N., C. Steel and C. Willhite. 2001. Diagnosis and treatment evaluation in cosmetic dentistry. American Academy of Cosmetic Dentistry, Madison, Wisconsin. (Mazierski D: 33 illustrations)

Tannenbaum, H. and T. Russell. 2001. Mechanisms in rheumatology. CORE Health Services Inc., Concord, Ontario. (Mazierski D: 41 illustrations)

Carey, B., G. Cormie, D. Eichorn, A. Farenholtz, J. Martha, J. Neal, S. Reading and L. Sandner. 2000. Science in action 7. Pearson Education (Addison Wesley), Toronto (Mazierski D: 3 illustrations)

Carey, B., G. Cormie, D. Eichorn, A. Farenholtz, J. Martha, J. Neal, S. Reading and L. Sandner. 2000. Science in action 8. Pearson Education (Addison Wesley), Toronto (Mazierski D: 7 illustrations)

Carey, B., G. Cormie, D. Eichorn, A. Farenholtz, J. Martha, J. Neal, S. Reading and L. Sandner. 2000. Science in action 9. Pearson Education (Addison Wesley), Toronto (Mazierski D: 44 illustrations)

DuGas, B. and E. Knor. 1999. Nursing foundations, a canadian perspective 2nd edition. Prentice Hall Canada, Scarborough. (Mazierski D: 50 illustrations)

Ritter, B. 1999. Nelson science and technology: cells, tissues, organs and systems. Nelson Thompson Learning, Scarborough. (Mazierski D: 30 illustrations)

Hilker, D., and S. Harper. 1999. Elements of english 9. Harcourt Brace & Company. Canada, Toronto. (Mazierski D: 1 illustration)

Bullard, J., E. Grace, A. Hirsch, D. Plumb, J. Weise, M. Winter, S. Cardwell and S. Wohl. 1996. Science probe 7. ITP Nelson, Toronto. (Mazierski D: 14 illustrations)

Edmeads, J., R. Giammarco and D. Dodick. 1996. Critical decisions in headache management. B.C. Decker Inc., Hamilton (Mazierski, D: 14 illustrations)

Ritter, B. 1996. Nelson science consumer testing. ITP Nelson, Toronto. (Mazierski D: 4 illustrations)

Gibb, T. 1996. Nelson science solutions. ITP Nelson, Toronto. (Mazierski D: 2 illustrations)

Ritter, B. 1996. Nelson science characteristics and classification. ITP Nelson, Toronto. (Mazierski D: 2 illustrations)

Du Gas, B. and E. Knor. 1995. Nursing foundations, a canadian perspective Appleton & Lange Canada, Toronto. (Mazierski D: 395 illustrations)

Ritter B., T. Gibb, A. Hirsch, D. Plumb and E. Worrall. 1995. Nelson science 9 Nelson Canada, Toronto. (Mazierski D: 27 illustrations)

Ritter, B., R.F. Coombs, R.B. Drysdale, G.A. Gardner and D.T. Lunn. 1992. Nelson biology. Toronto: Nelson Canada. (Mazierski D: 71 illustrations)

Behrens, F. 1992. External fixation: basic concepts and clinical applications. Philadelphia: W.B. Saunders Company. (Mazierski D: 21 illustrations)

Agur, A. 1991. Grant's atlas of anatomy, 9th edition. Baltimore: Williams & Wilkins. (Mazierski D: 94 illustrations)

Robertson, A. and L. Mang. 1990. Healthwise 1. Toronto: Nelson Canada. (Mazierski D: 15 illustrations)

DeCherney, A.H., M.L. Polan, R.W. Lee and S.P. Boyers. 1987. Decision making in infertility. Toronto: B.C. Decker. (Mazierski D: 8 illustrations)

Cohn, L., D. Doty and R. McElvin. 1987. Decision making in cardiothoracic surgery. Hamilton: B.C. Decker. (Mazierski D: 76 illustrations)

Smuts, M.M.S. and A.J. Bezuidenhout. 1987. Anatomy of the dromedary. Oxford: Oxford University Press. (Mazierski D: 340 illustrations)

Dixon, B. (ed.). 1986. Health and the human body. London: Perseus Press. (Mazierski D: 22 illustrations)

Cameron, J. 1986. Current surgical therapy 2. Toronto: B.C. Decker. (Mazierski D: 6 illustrations)

Kilby, D. 1986. Manual of safe sex. Toronto: B.C. Decker. (Mazierski D: 4 illustrations)

Lonetto, R. and G. Kumchy. 1986. Back to normal. Toronto: Doubleday Canada Ltd. (Mazierski D: 16 illustrations)

Wiet, R. and J.-B. Causse. 1986. Complications in otolaryngology - head and neck surgery, vol.1, ear and skull base. Toronto: B.C. Decker. (Mazierski D: 4 illustrations)

Morris, D. 1985. Bodywatching. London: Jonathan Cape Ltd. (Mazierski D: 2 illustrations)

JOURNAL ILLUSTRATIONS (PEER REVIEWED)

de Bono JS, Rowinsky EK. Molecular-targeted therapies. Emerg Therap in Oncol 2002; 1:3-10. B.C. Decker Inc, Hamilton. (Mazierski D: 4 illustrations)

Raut V, Rutka J. The toronto meatoplasty: enhancing one's results in canal wall down procedures. The Laryngoscope 2002; 112:2093-2095. Lippincott Williams & Wilkins Inc, Philadelphia. (Mazierski D: 6 illustrations)

JOURNAL ILLUSTRATIONS (NON-PEER REVIEWED)

Zhanel, G, Balter, M, Borins, M: Antibiotic resistance and AECB. The Medical Post Q & A supplement 2000 October 10: p Q1 (illustrated by Mazierski D).

Durand, N, Marmoreo, J: Isoflavones and menopause. The Medical Post Q & A supplement 2000 October 3: p Q1 (illustrated by Mazierski D).

Gauthier, S, McDougall, A: Treatment of mild-to-moderate Alzheimer's disease. The Medical Post Q & A supplement 2000 September 5: p Q1 (illustrated by Mazierski D).

Curet M: Laparoscopic intraoperative cholangiography: indications, technique and limitations. Laparoscopic surgery 1996 January: volume 3 number 1: pp 28-38. (Mazierski D: 8 illustrations).

Josloff R: Laparoscopic common bile duct exploration. Laparoscopic surgery 1996 January: volume 3 number 1: pp 39-50. (Mazierski D: 7 illustrations).

Curet M: Endoscopic-guided antegrade sphincterotomy for complex choledo- cholithiasis. Laparoscopic surgery 1996 January: volume 3 number 1: pp 51-58. (Mazierski D: 4 illustrations).

Salit, I, Harmathy, T: Treating common office infections. The Medical Post Q & A supplement 1999 January 12: p Q1 (illustrated by Mazierski D).

Jeffrey, S: Coronary stents update. The Medical Post 1998 May 12: p 20 (illustrated by Mazierski D).

Birks, K: Pollution: Keep out of reach of children. The Medical Post 1997 October: 7: p 35 (illustrated by Mazierski D).

Cunningham G, Lowry J: Alcoholism. The Medical Post, Q & A supplement 1997 September 9: pp Q1, Q4 (illustrated by Mazierski D).

HEALTH COMMUNICATIONS

Mazierski D: I-Acquire medical device (image acquisition) software. Cedara Software Corporation, Mississauga, 2003. Approx. 25 icons for software interface.

Mazierski D: Department of Medicine web site. Department of Medicine, University of Toronto, 2002. Web site design, graphical implementation and templates.

Mazierski D: Imageless total knee replacement surgical navigation. Cedara Software Corporation, Mississauga, 2002. Approx. 50 knee anatomy illustrations for use in software interface.

Mazierski D: Rehabilitation Education Program for Stroke (REPS) web site. Department of Rehabilitative Medicine, University of Toronto, 2002. Web site design, graphical implementation and templates.

Mazierski D: The proper use of the Sulcabrush Pocket cleansing device for enhanced dental hygiene. Sulcabrush, Downsview, 2001. Product illustration for use in sales material.

Mazierski D: A guide to understanding cardiovascular disease. Headcan/Bayer Inc., Etobicoke, 1998. Patient education teaching easel.

Mazierski D: Understanding depression. Headcan/Wyeth-Ayerst Canada, Montreal, 1998. Patient education poster.

Mazierski D: Understanding heart failure. Headcan/Janssen-Ortho Inc., Toronto, 1999. Patient education poster.

Mazierski D: Understanding glaucoma. Headcan/Pharmacia & Upjohn, Mississauga 1999. Patient education poster.

Mazierski D: Understanding blepharitis. Headcan/Alcon Canada Inc., Mississauga, 1999. Patient education poster.

Mazierski D: The proper use of the Sulcabrush Travel cleansing device for enhanced dental hygiene. Sulcabrush, Downsview, 1999. Product illustration for use in sales material.

Mazierski D: Myeloproliferative blood disorders. Headcan/Roberts Pharmaceuticals, Oakville, 1997. Illustrations depicting blood cell lineages & abnormalities in myeloproliferative disorders. Patient education poster.

Mazierski D: Genpharm indispensable patient education cards. Headcan/Genpharm, Toronto, 1997. Three sets of eight cards describing com- mon medical conditions. Patient education card series.

Mazierski D: Understanding asthma. Headcan/Zeneca Pharma, Mississauga, 1997. Patient education poster.

Mazierski D: Understanding epilepsy. Headcan/Novartis, Montreal, 1998. Patient education tearsheet.

Mazierski D: The kidney. Headcan/Janssen-Ortho Inc., North York, 1998. Patient education poster.

Mazierski D: Understanding breast disease. Headcan/Zeneca Pharma, Mississauga 1998. Patient education teaching easel.

Mazierski D: Regentex GBR-200 non-resorbable barrier membrane used in dental extraction sites. Innova Corporation, Toronto. Product illustration for use in sales material.

Mazierski D: The proper use of the Sulcabrush cleansing device for enhanced dental hygiene. Sulcabrush, Downsview, 1998. Product illustration for use in sales material.

MULTIMEDIA

Mazierski D (illustrator): Zimmer Minimally Invasive Hip Replacement Surgery. Interactive on-line training web site. 2003. For mySmartSimulations, Albany, NY.

Mazierski D (illustrator): Mechanisms in rheumatology. CD-ROM. 2001. For CORE Health Services Inc., Concord, Ontario.

Mazierski D (illustrator): The red eye. CD-ROM. 1996. For Pede P, Interactive Media Group, Toronto.

INVITED LECTURER

Developing and Evaluating a Digital Anatomy Lab. The Association of Medical Illustrators (AMI) Annual Meeting, Atlanta, Georgia 1999.