



St. Michael's

Inspired Care. Inspiring Science.

**ADVANCED CLINICIAN PRACTITIONER IN ARTHRITIS  
CARE (ACPAC) PROGRAM**

**2010-2011**

HealthForceOntario



## **ACPAC Program Co-ordination**

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## **Program Evaluation**

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## **Program Overview**

The ACPAC (Advanced Clinician Practitioner in Arthritis Care) Program is an innovative academic and clinical education training program in advanced musculoskeletal/arthritis care hosted by St. Michael's Hospital, Toronto, Canada in collaboration with The Hospital for Sick Children, Toronto, Canada. The ACPAC program was developed in 2005 in response to a well recognized:

- need for an interdisciplinary approach to manage patients with RA (Rheumatoid Arthritis) and OA (Osteoarthritis) more efficiently
- progressive decline in the number of arthritis care specialists and thus resulting in inappropriate wait times for care.

The ACPAC program has completed its fifth year of operation as of June, 2011 and there are now 37 ACPAC program trained extended role practitioners working in diverse clinical settings across Ontario. There will be no intake of trainees across 2011-2012 in order to complete the extensive health services research undertaken between 2009-2011, as well as to address and implement changes in program delivery for subsequent years. Enrolment is typically limited to a maximum of eight candidates *from across Canada* on an annual basis.

## **Program Faculty**

There are currently over 90 faculty members involved in the delivery of this program. Dr. Rachel Shupak MD, FRCP(C) is the Director of the program, and Dr. Katie Lundon BSc (PT), PhD is the Program Coordinator.

## **Program Description**

The ACPAC (Advanced Clinician Practitioner in Arthritis Care) program is a unique, post-licensure academic and clinical training program for experienced physiotherapists and occupational therapists in musculoskeletal disease/arthritis management. The ACPAC program is an interprofessional patient-centred health professional program delivered in episodic format and currently consists of 10 intensive units offered one week per month between September and June of each year. Physical therapists and occupational therapists recognized for their strong clinical backgrounds in the musculoskeletal/arthritis management field and who practise in different regions of Canada are selected on the basis of a successful interview as well as meeting the admission criteria.

## **Criteria for Selection of ACPAC Candidates**

1. Minimum 5 years broad experience following completion of an accredited, entry-to-practice program in either physical therapy or occupational therapy
2. At least two years experience in a clinical specialist (musculoskeletal) area
3. Written agreement to complete the one-year, modular based ACPAC program involving advanced assessment, diagnostic, therapeutics and management training in the arthritis/musculoskeletal field at St. Michael's Hospital (adult) or the Hospital for Sick Children (pediatric)
4. Must be a mature individual with exceptional interpersonal and communication skills
5. The candidate must have completed the post-graduate level course entitled "Total Assessment of Inflammatory Polyarthritis Training Program for Occupational and Physical Therapists" offered by The Arthritis Society, Ontario Division, or its equivalent. (***Please note that the application deadline for this course is usually in January or February***). With respect to this prerequisite course please contact Ann Boyce at 1-866-466-0501 Ext. 224 or email: [aboyce@on.arthritis.ca](mailto:aboyce@on.arthritis.ca) for details.
6. Evidence of strengths in the area of advanced problem solving and management of complex clinical cases in the arthritis/musculoskeletal field
7. Member in good standing of respective college at a provincial level, and eligibility for membership in the related national professional association (e.g. College of Physiotherapists of Ontario and Canadian Physiotherapy Association-CPA or College of Occupational Therapists of Ontario (COTO) and Canadian Association of Occupational Therapists-CAOT).

In addition, candidates provide the following supporting documentation at the time of application:

1. a curriculum vitae (resumé)
2. a letter of intent
3. a letter of support from the supporting institution/department
4. references (2) identifying clinical/academic strengths of the candidate

## **Application Due Date**

*This is usually mid May of each year.* Select candidates will be interviewed the first or second week of June. Successful applicants will be notified by the end of June.

## **Course Fee**

There is a \$5000.00 course fee per registrant to be provided by the supporting institution and payable to the "ACPAC Program" as mandated by the Department of Continuing Education and Professional Development, Faculty of Medicine, University of Toronto.

## **Overview of Curriculum Organization and Content**

The ACPAC program consists of 10 intensive units and will be offered one week per month, from September through June. The foundation of the curriculum is based on the integration of material from five core modules including Basic Science Theory Underlying Musculoskeletal Practice (n=1), Foundations of Clinical Practice (n=1), Therapeutic Management (n=1), and the Art and Science of Clinical Practice (n=2).

## **Program Objectives**

1. To offer a *curriculum* of rigorous, current post-entry-to-practice basic science, clinical science and therapeutic management learning experiences as they relate to the musculoskeletal/arthritis care fields.
2. To facilitate the participant's learning of *best practices* through extensive clinical experience in the musculoskeletal/arthritis care fields.
3. To develop and prepare practitioners (physical therapists and occupational therapists) to be competent, independent clinicians who engage in *extended practice roles* in *selected* areas of musculoskeletal/arthritis care.
4. To develop and prepare practitioners (physical therapists and occupational therapists) to *triage* patients with *osteoarthritis and inflammatory arthritis*.
5. To create a *novel model of arthritis management* and care in Ontario that optimizes scarce health care resources by utilizing selected, highly trained health professionals to promote and implement interprofessional patient-centred care.
6. To *improve accessibility* to musculoskeletal/arthritis care in outreach areas of Ontario as a result of the participant's expanded ability to identify, assess and manage (treatment and referral) *selected* disorders associated with these conditions.
7. To develop and prepare the ACPAC trained practitioners to become *leaders in interprofessional patient-centred education and care* in the management of arthritis and musculoskeletal conditions.
8. To gain insight into the expanded role that advanced clinician practitioners will play in service delivery, as well as into the barriers that may exist to impede the implementation of this practice.

## **Learning Objectives**

1. Participants will learn the basic and clinical science underlying arthritis/musculoskeletal disorders
2. Participants will learn to identify, assess and provide differential diagnosis between inflammatory and degenerative arthritic disorders
3. Participants will learn an approach to interpretation of plain musculoskeletal radiographs.
4. In relation to the above, the participants will learn skills of triage for arthritic disorders

## **Certificate Status**

Upon successful completion of the ACPAC program, a certificate issued by the Division of Continuing Education and Professional Development, Faculty of Medicine at The University of Toronto will be awarded to each candidate.

## **Evaluation/Learning Methodologies**

Evaluation of both the ACPAC trainee and the program is rigorous. Both program and candidate evaluation will occur using the following array of assessment tools:

1. CANMEDS/360° evaluation end program
2. Theory/Knowledge: Pre and Post Program MCQ Exam
3. Practical Skills Evaluation: Pre and Post Program OSCE
4. Clinical Performance/Competency Appraisals /Clinic logs with record of engagement in defined specialty/subspecialty clinics
5. Self Directed Learning:
  - a. Clinical Case Reports: MD Consultation letters: The students will be responsible for the identification of five content-defined clinical cases and submission of a write up/MD consultation letter for written appraisal by the course director (Dr. Rachel Shupak)
  - b. Problem Based Learning: Clinical Scenario/Vignettes (n=7+)
  - c. Personal Log: Portfolios and Structured Personal Learning Projects-includes presentation of evolution of models of care as they relate to the trainee's practice setting at the end of the ACPAC program
  - d. TAP: Interprofessional Collaborative Care Projects and Learning Assignments.

## **Evaluation Categories**

Outstanding: (>80%)

Above Average: (70-79%): \*Each ACPAC trainee must achieve at least 70% and/or “meets expectations” for each evaluation component to pass the program

Average: (60-70%)

Below Average: (50-60%)

Re-submit/ Failure: (<50%)

\*Remedial Work is required at the discretion of the Course Director in the event of achievement of less than 70% and/or meets expectations in any component of the course.

## **Current Funding Platform**

The ACPAC program has been most generously supported by St. Michael's Hospital and its Foundation, the Ontario Ministry of Health, Industry (Amgen-Wyeth, Pfizer, Abbott, Roche, Merck), and is endorsed by the Arthritis Society-Ontario Branch.

## **Timing and Desired Outcome of Program**

The ACPAC program is being offered at a CRITICAL and OPTIMAL time in the context of rapidly changing health care delivery in the Province of Ontario. The ACPAC program has been developed and is congruent with the report findings and recommendations provided by ACREU (Arthritis Community Research and Evaluation Unit) that were prepared for the Ministry of Health, Training and Long Term Care of Ontario in March 2005 where a clearly defined need to develop a new Model of Primary Health Care for delivery of arthritis care<sup>1</sup> was identified.

The ACPAC program is a leading-edge<sup>2,3,4,5</sup> unique educational (clinical and academic) training model that serves to create an expanded scope of practice practitioner in the arthritis field. In this way, the current ACPAC program represents an extension of earlier efforts<sup>6,7,8</sup> to offer an innovative, interprofessional educational program<sup>9</sup> created with the intent to train physical therapists and occupational therapists within an expanded scope of practice role with the aim to provide optimal, timely and appropriate delivery of health care to patients with arthritis.

A summary of the desired outcome of the ACPAC program is to:

1. develop *triage* skills for physical therapists and occupational therapists in the areas of *osteoarthritis and inflammatory arthritis* management. This will have an *impact on wait lists* and ensure optimal, timely and appropriate delivery of health care to patients with arthritis in a variety of settings (rural or urban).
2. *optimize* and assure that the patient receives the *most appropriate health care resources/professional care* in the management of musculoskeletal conditions.
3. support and *retain physical therapists and occupational therapists* who are highly skilled in the area of arthritis management to ensure they are an *integral part of the Model of Primary Health Care in arthritis management*.

## **Awards Received**

**Colin Woolf Award 2007:** Excellence in Course Design and Coordination, Department of Continuing Medical Education, Faculty of Medicine, University of Toronto.

**Ted Freedman Award 2008:** Certificate of Excellence at HealthAchieve2008 for innovation, effective use of technology and ability to positively impact change using education.

**Ontario Ministry of Health: Innovations in Human Health Resources Award 2009:** This award was received at HealthCare Expo/HealthAchieve 2009.

## **Health Policy /Improvement Practices Initiatives**

- HealthCare Improvement Practice Registry
- Celebrating Innovations in Health Care Expo 2006- present

## **References**

1. An Exploration of Comprehensive Interdisciplinary Models for Arthritis. April, 2005. Arthritis Community Research & Evaluation Unit (ACREU). University Health Network. Prepared by: C. MacKay, R. Devitt, L. Soever, and E. Badley.
2. Lundon, K., Shupak, R., Sunstrum-Mann, L., Galet, D., and Schneider, R. 2008. Leading Change in the Transformation of Arthritis Care through Development of an Interprofessional Academic Clinical Education Training Model in an Academic Healthcare Facility. *Healthcare Quarterly* 11(3):59-65.
3. Shupak, R., Lundon, K. 2007. St. Michael's Hospital: The Advanced Clinician Practitioner in Arthritis Care Program *CRAJ* 17(4): 16-17.
4. Lundon, K., Shupak, R., Schneider, R., and McIlroy, J. 2011. Development and Early Evaluation of an Interprofessional Post-Licensure Education Program for Extended Practice Roles in Arthritis Care. *Physiotherapy Canada* 63(1):94-103.
5. Lundon, K., Shupak, R., Schneider, R., and McIlroy, J. 2010. Evolution of the ACPAC-trained Advanced Practice Practitioner Role Over a Two-Year Period: Evidence for Change in Models of Arthritis Care in Ontario. A Report prepared for the MOHLTC: May, 2010.
6. Campos, A., Graveline, C., Ferguson, J. M., Lundon, K., Schneider, R., Laxer, R. (Winter, 2002). Development of an Expanded Role for Physical Therapy in Pediatric Rheumatology: A 1-Year Pilot Project. Part II. *Physiotherapy Canada* 54(1):32-36.
7. Campos, A., Graveline, C., Ferguson, J. M., Lundon, K., Schneider, R., Laxer, R. (Fall, 2001). The Physical Therapy Practitioner: An Expanded Role for Physical Therapy in Pediatric Rheumatology. *Physiotherapy Canada* 53(4):282-287.
8. Lundon, K., Shupak, R., Crooks, R., Harper, J., Balazic, N., Head, K., Lesage, S., Manson, J. (2002). The Development of an Adult Rheumatology-Orthopedic Physiotherapist Practitioner Program: Is it Feasible in an Ontario Teaching Hospital? *Physiotherapy Canada* (54:1):S25.
9. Lundon, K., Shupak, R., S. Reeves, R. Schneider, J. McIlroy. 2009. The Advanced Clinician Practitioner in Arthritis Care (ACPAC) Program as A Model for Transfer of Knowledge and Skills and Attitudes: Moving From an Interprofessional Arthritis Education Program to Interprofessional Arthritis Care. *Journal of Interprofessional Care* 1-3.

# ACPAC MODULE CONTENT

## **MODULE 1: Basic Science, Skills and Theory Underlying Clinical Practice in Arthritis Care**

*Total Hours: 58.5 hours*

**Goal:** To effectively identify and incorporate into the ACPAC curriculum the most *current* basic science, skills and theoretical concepts and knowledge that are the underpinnings of *advanced* musculoskeletal practice.

TOPIC	TIME	FACULTY
1. Essential Laboratory Medicine/Pathology for Rheumatology <ol style="list-style-type: none"> <li>i. Basic Laboratory Evaluation (2 hrs)</li> <li>ii. Serology: Clinical Utility (2 hrs)</li> <li>iii. Bone Pathology Underlying MSK Disease (osteosarcoma, osteomyelitis) (1 hr)</li> <li>iv. Pathology: Clinical Utility (biopsy of muscle, nerve and vascular tissues) (2 hrs)</li> </ol>	7 hours	<ol style="list-style-type: none"> <li>i. Dr. Louise Perlin MD (SMH)</li> <li>ii. Dr. Rachel Shupak MD (SMH)</li> <li>iii. Dr. V. Iakovlev (SMH)</li> <li>iv. Dr. David Munoz MD (SMH)</li> </ol>
2. Applied Radiology/Diagnostic Imaging <ol style="list-style-type: none"> <li>i. Approach to Plain Film Radiography (2 hrs)</li> <li>ii. Ultrasound: Clinical Utility (1 hr)</li> <li>iii. MRI: Clinical Utility (2 hrs)</li> <li>iv. CT: Clinical Utility (1 hr)</li> <li>v. Nuclear Medicine (2 hrs)</li> <li>vi. Xray Rounds/ Vignettes: Red Flags in Orthopaedics (JH), Metabolic Bone /Tumours (TD), Other (RSh) (15 hrs)</li> </ol>	23 hours	<ol style="list-style-type: none"> <li>i. Dr. Joel Rubenstein MD (SHSC)</li> <li>ii. Dr. Monique Christakis MD (SMH)</li> <li>iii. Dr. Tim Dowdell MD (SMH)</li> <li>iv. Dr. Dawn Pearce MD (SMH)</li> <li>v. Dr. Gilbert Hurwitz MD (SMH)</li> <li>vi. Faculty (Dr. Hall; Dr. Dowdell; Dr. Shupak: SMH)</li> </ol>
3. Basic Clinical Science <ol style="list-style-type: none"> <li>i. Immunology (2 hours)</li> <li>ii. Mediators of Inflammation, Tissue Destruction and Repair (2 hours)</li> <li>iii. Genetics (1-2 hours)</li> <li>iv. Advanced Connective Tissue Dynamics (Structure and Function (3 hrs)/Gross Anatomy (Lab) (2hrs)</li> <li>v. Normal Growth and Development (Growth Curve, Growing pains, Transition Related Issues) (4 hrs)</li> </ol>	12.5 hours	<ol style="list-style-type: none"> <li>i. Dr. Carolina Landolt MD (TWH)</li> <li>ii. Dr. Carolina Landolt MD (TWH)</li> <li>iii. TBA (HSC)</li> <li>iv. Dr. Katie Lundon BSc<sub>(P.T.)</sub> PhD (SMH)/ Dr. Anne Agur BSc<sub>(O.T.)</sub> PhD (Department of Surgery, U of T)</li> <li>v. Dr. Rayfel Schneider MD (HSC)/ Dr. Lynn Spiegel MD (HSC)</li> </ol>
4. Metrology in Spine Disease (AS) (2 hours)	1x2 hours	<ol style="list-style-type: none"> <li>i. Angelo Papachristos BSc (PT), PTP, ACPAC (SMH)/</li> <li>ii. Caroline Jones BSc(PT), PTP, ACPAC (SMH)</li> </ol>
5. Outcome Measurement in MSK Practice/Arthritis Management <ol style="list-style-type: none"> <li>i. Paediatric-2 x 2 hrs</li> <li>ii. Adult- 1 x 2 hrs</li> </ol>	6 hours	<ol style="list-style-type: none"> <li>i. Dr. Brian Feldman MD (HSC)</li> <li>ii. Dr. Dorcas Beaton BSc (OT) PhD (SMH)</li> </ol>
6. Technology and Health Sciences Information <ol style="list-style-type: none"> <li>i. Health Sciences Library (4+ hrs)</li> <li>ii. Application of Technology for Health Record Sharing: Gemini Program (4 hrs)</li> </ol>	8 hours	<ol style="list-style-type: none"> <li>i. Dr. David Lightfoot PhD: SMH Health Sciences Library</li> <li>ii. SMH Faculty</li> </ol>

## MODULE 2: Foundations of Clinical Practice *Total Hours: 69 hours*

**Goal:** To effectively identify and incorporate into the ACPAC curriculum the most *current* clinical science concepts and knowledge that are the underpinnings of *advanced* musculoskeletal practice.

TOPIC	TIME	FACULTY
<p>History and Physical Examination</p> <ul style="list-style-type: none"> <li>i. Approach to the Whole Patient: Identifying Illness and the Unwell Patient: Overriding Principles, Triage (1.5 hour)</li> <li>ii. Approach to the Patient with Hip and Knee Disease, Triage (1 hour)</li> <li>iii. Approach to the Patient with Spine Disease (1 hour)</li> <li>iv. Approach to the Patient with Neck and Back Pain; Red Flags, DDx/Vignettes (1 hour)</li> <li>v. Physical Examination –Overview (knee, shoulder, RA hand and wrist, hip) (4 hrs)</li> <li>vi. Approach to Monoarthritis (2 hrs)</li> <li>vii. Approach to Polyarthritis (2 hrs)</li> </ul>	12.5 hours	<ul style="list-style-type: none"> <li>i, v, and vii. Dr. Rachel Shupak MD (SMH)</li> <li>ii. Dr. Khalid Syed MD (UHN)</li> <li>iii, iv Dr. Henry Ahn MD (SMH)</li> <li>vi. Dr. Louise Perlin MD (SMH)</li> </ul>
<p>Inflammatory and Other Arthritis:</p> <ul style="list-style-type: none"> <li>a. Epidemiology, Pathology, and Pathogenesis</li> <li>b. Clinical and Laboratory Features, Prognosis, Triage and Treatment of: <ul style="list-style-type: none"> <li>i. Rheumatoid Arthritis (2 x 2 hrs)</li> <li>ii. Juvenile Idiopathic Arthritis/Transition (2 x 2 hrs)</li> <li>iii. Seronegative Spondyloarthropathies (2 hrs)</li> <li>iv. Infectious Arthritis, Crystal Arthropathies, Gout (2 hrs)</li> </ul> </li> </ul>	12 hours	<ul style="list-style-type: none"> <li>i. Dr. Carter Thorne MD (TAP)</li> <li>ii. Dr. Rayfel Schneider MD (HSC)</li> <li>iii. Dr. Louise Perlin MD (SMH)</li> <li>iv. Dr. Rachel Shupak MD (SMH)</li> </ul>
<p>Systemic Diseases</p> <ul style="list-style-type: none"> <li>a. Epidemiology, Pathology, and Pathogenesis</li> <li>b. Clinical and Laboratory Features and Treatment of: <ul style="list-style-type: none"> <li>i. Systemic Lupus Erythematosus (2.0 hrs)</li> <li>ii. Dermatomyositis, Polymyositis, Progressive Systemic Sclerosis (2 hrs)</li> <li>iii. Vasculitis/Polymyalgia Rheumatica (2 hrs)</li> </ul> </li> </ul>	6.0 hours	<ul style="list-style-type: none"> <li>i. Dr. Rachel Shupak MD (SMH)</li> <li>ii. Dr. Rachel Shupak MD (SMH)</li> <li>iii. Dr. Rachel Shupak MD (SMH)</li> </ul>
<p>Osteoarthritis</p> <ul style="list-style-type: none"> <li>i. Epidemiology, Pathology, and Pathogenesis</li> <li>ii. Clinical and Laboratory Features/ Management and Triage</li> </ul>	2 hours	<ul style="list-style-type: none"> <li>i,ii. Dr. Gillian Hawker MD (WCH)</li> </ul>
<p>Non-Articular Rheumatism</p> <ul style="list-style-type: none"> <li>i. Adult: Soft Tissue Disorders (2 hrs)</li> <li>ii. Paediatric: (Non-Inflammatory MSK Pain: Fibromyalgia, chronic fatigue syndrome, AVN) (2 hrs)</li> </ul>	4 hours	<ul style="list-style-type: none"> <li>i. Dr. Doreen Campbell MD (SMH)</li> <li>ii. Dr. Shirley Tse MD (HSC)</li> </ul>
<p>Regional Pain Syndromes (myofascial, fibromyalgia, complex regional pain syndromes, tendonitis, bursitis, epicondylitis, tenosynovitis ) (2 hrs)</p>	2 hours	<ul style="list-style-type: none"> <li>i. Dr. Doreen Campbell MD (SMH)</li> </ul>
<p>Osteoporosis – Primary and Secondary (4 hrs)</p> <ul style="list-style-type: none"> <li>i. Epidemiology, pathology, and pathogenesis (1.0 hrs)</li> <li>ii. Clinical and Laboratory Features, BMD Interpretation, Treatment and Triage (1.0 hr), BMD testing (1.0 hr)</li> <li>iii. Osteoporosis in Children (2 hrs)</li> </ul>	5 hours	<ul style="list-style-type: none"> <li>i, ii. Dr. Erin Norris MD (SMH)/ Bone Mineral Density Testing Staff SMH</li> <li>iii. Dr. Etienne Sochett MD (HSC)</li> </ul>
<p>Orthopedic/Surgical Topics: A. Indications and Contraindications for Surgical Intervention, Management</p> <ul style="list-style-type: none"> <li>i. The Hip: <ul style="list-style-type: none"> <li>a) Differential Diagnosis (Pathology) (1 hr)</li> <li>b) Clinical Case Vignettes (2 hrs)</li> <li>c) Surgical Approach ( 1 hr)</li> </ul> </li> <li>ii. The Knee: <ul style="list-style-type: none"> <li>a) Differential Diagnosis (Pathology) (1 hr)</li> <li>b) Clinical Case Vignettes (2 hrs)</li> <li>c) Surgical Approach (1 hr)</li> </ul> </li> <li>iii. Shoulder (1 hr) and Elbow (1 hr)/Vignettes (1 hr):(3 hours)</li> <li>iv. Rheumatoid hand/wrist (2 hrs)</li> <li>v. Foot / Ankle Topical Anatomy and Physical Exam (2 hrs)</li> <li>vi. Tenosynovitis- Hand/ Nerve Entrapment Syndromes (2 hrs)</li> <li>vii. Orthopedic Considerations in JIA (2 hrs)</li> <li>viii. Paediatric Orthopaedics (2 hrs)</li> </ul> <p>B. Conservative Management of the Rheumatoid/OA Hand and Wrist/ Foot and Ankle</p> <ul style="list-style-type: none"> <li>iii. Hand and Wrist (2.5 hrs)</li> <li>ii. Foot and Ankle (2 hrs)</li> </ul>	25.5 hours	<ul style="list-style-type: none"> <li>i, ii Dr. Khalid Syed MD (UHN)</li> <li>iii. Dr. Jeremy Hall MD (SMH)</li> <li>iv. Dr. Earl Bogoch MD (SMH)</li> <li>v. Dr. Tim Daniels MD (SMH)</li> <li>vi. Dr. Melinda Musgrave MD (SMH)</li> <li>vii. Dr. Earl Bogoch MD (SMH)</li> <li>viii. Dr. Unni Narayanan MD (HSC)</li> <li>i. Pat McKee BScOT, MSc (U of T)</li> <li>ii. Melissa Rabbito (Bioped Consultant)</li> </ul>

### **MODULE 3: Therapeutic Management**

**Total Hours: 73.5 hours**

**Goal:** To effectively identify and incorporate into the ACPAC curriculum the most *current* therapeutic management concepts and knowledge as they relate to *advanced* musculoskeletal practice.

TOPIC	TIME	FACULTY
Principles of Medical Management across the Lifespan: Pharmacology i. Pain and Analgesia (2 hours) ii. NSAIDS (2 hours) iii. DMARDS /Biologics + New Frontiers (2 hours) iv. Immunosuppressives + New Frontiers (2 hours) v. Drug Modification in Pregnancy (2 hour) vi. Drug Modification in Renal Failure (2 hour) vii. Steroids: Oral, IV, intraarticular joint injection (2 hours) viii. Complementary Medicine a. intraarticular (HA) b. “over-the-counter” e.g. glucosamine (2 hours)	16 hours	i. Dr. Bokman Chan MD (SMH) ii. Dr. R. Shupak MD (SMH) iii. Marie Craig (TAP) iv. Marie Craig (TAP) v. Dr. Joel Ray MD (SMH) vi. Lisa Liberatore (SMH) vii. Dr. Lori Shapiro, MD (SHSC) viii. Dr. J. Tenenbaum MD (MSH)
Pre and Post Operative Management i. Anesthesiology Considerations (steroids, DMARDS, Cervical Spine) (1 hour) ii. Determination of Fitness for Surgery: Pre-operative Assessment (1 hour)	2 hours	i. Dr. Ryan Mai MD (SMH) ii. Dr. Robert Sargeant MD (SMH)
Role of the Dietician in the Management of Arthritis i. Adults (2 hrs) ii. Pediatrics (2 hrs)	4 hours	i. Sasha Miles (SMH) ii. Inez Martincevic(HSC)
Psychosocial Considerations in the Management of Arthritis i. Role of the Social Worker in the Management of Chronic Illness-Adults (2 hrs) ii. Role of the Social Worker in the Management of Chronic Illness-Pediatrics (2 hrs) iii. Psychosocial Issues Related to Chronic Illness in Adults with Arthritis-(2 hr)	6 hours	i. TBA ii. Neely Lerman MSW (HSC) iii. Dr. Shree Bhalerao MD (SMH)
Charting (1 hour) and Medical Letter Writing (2 hours +2 hour review)	4 hours	i. Dr. R. Shupak MD (SMH)
Community Resources/ Models of Care and Interprofessional Collaboration i. The Arthritis Society: Community Resources and Linkages with Primary Care (2 hrs) ii. Model of Care I: HSC Practitioners (2 hrs)  Model of Care II: TAP Program-Interprofessional Collaboration Series (28.5 hrs)	32.5 hours	i. Connie Roberts (PT, ACPAC) (TAS) ii. Chris O'Brien OT, OTP, ACPAC (HSC); Kristi Whitney PT, PTP, ACPAC (HSC) iii. Lorna Bain OT, OTP, ACPAC (TAP) (27 hrs); Patti McGillicuddy (UHN)(1 hr)
Clinical Trials: Good Clinical Trial Practice (2 hrs)	2 hrs	TBA (Abbott)
Clinical Vignettes- i. Rheumatology (n=7+) [(monoarthritis (septic vs. gout); OA; polyarthritis (seropositive: RA vs. seronegative : psoriatic);seronegative spondyloarthropathies (AS); SLE; JIA)] (7 X 1 hrs)	7 hrs	i. Dr. Rachel Shupak MD (SMH); Dr. Rayfel Schneider MD (HSC)

## **MODULES 4 AND 5: The Art and Science of Clinical Practice**

**Total Hours in Modules 4-5 = 160 +hours.** (This is based on 4 hours/clinic x 4 clinics/week x 10 months = 160 hours minimum)

### **MODULE 4: *General Rheumatology/Orthopedic Clinics (compulsory)***

This module will involve attendance at 20 general rheumatology clinics, which includes a minimum of 3 JRA (Juvenile Idiopathic Arthritis) / Pediatric Orthopedic clinics for each trainee.

**Total Hours:** 80 + hours

### **MODULE 5: *Surgical and Specialty Clinics (choice of 2-4)***

This module will involve attendance at 20 surgical/specialty clinics (2-4 of the following choices, 20-40 hours each):

- Paediatric Rheumatology (2 positions)
- Osteoporosis Clinics
- Foot and Ankle Clinics
- Hand Clinics
- Upper Extremity (Shoulder and Elbow) Clinics
- Ankylosing Spondylitis Clinics
- Haemophilia Clinics
- Dermatomyositis and Juvenile Dermatomyositis Clinics
- Spine Clinics
- Orthopaedic Arthritis Care Clinics
- Lower Extremity (Hip and Knee) Clinics

**Total Hours:** 80 + hours

## **ACPAC PROGRAM 2010-2011 Weeks**

The weeks that the ACPAC program will be offered and during which all practitioners are to be in attendance are as follows:

September 13-17, 2010  
October 18-22, 2010  
November 15-19, 2010  
December 13-17, 2010

January 10-14, 2011  
February 21-25, 2011  
March 21-25, 2011  
April 11-15, 2011  
May 16-20, 2011  
June 13-17, 2011

For further information visit <http://www.stmichaelshospital.com/programs/mobility/acpac.php>.