

UNIVERSITY OF MICHIGAN HEALTH SYSTEM · DEPARTMENT OF EMERGENCY MEDICINE
PEDIATRIC EMERGENCY MEDICINE FELLOWSHIP PROGRAM

Rotation:	Sports Medicine (Elective)
Institution:	University of Michigan Health System
Duration:	Two (2) to Four (4) Weeks
Fellow Training Year:	Fellow Year \geq 2
Supervising Faculty:	Michelle Caird, MD and Kelly Vanderhave, MD

EDUCATIONAL GOALS:

1. Understand pertinent topics in sports medicine, including medical and musculoskeletal issues affecting pediatric and adolescent athletes and physically active individuals. *Competencies: MK, PC*
2. Understand musculoskeletal evaluation and treatment for common injuries affecting children and adolescents *Competencies: MK, PC*
3. Teach event coverage and return to play issues for the young athlete, college athlete, professional athlete, and recreational athlete. *Competencies: PC, IC, P, SBP*
4. Foster an environment of shared learning between orthopaedic and pediatric emergency medicine and EM faculty and residents. *Competencies: IC, P, PBLI*

EDUCATIONAL OBJECTIVES:

1. Demonstrate understanding of the anatomy, mechanism of injury, presentations, complications, management and prognoses of common pediatric musculoskeletal injuries. *Competencies: MK, PC*
2. Develop ability to integrate history and physical examination findings to correctly diagnose and manage common pediatric musculoskeletal disorders including the ordering of appropriate (and cost efficient) diagnostic tests. *Competencies: MK, PC, SBP*
3. Develop knowledge of and indications for initiation of referrals (immediate and short term) and appropriate after-ED care (including rehabilitation) of common pediatric orthopedic injuries. *Competencies: MK, PC, SBP*
4. Develop skill in interpretation of pediatric radiography as it pertains to acute injury patterns common to pediatric orthopedic emergencies. *Competencies: MK, PC, SBP*
5. Demonstrate knowledge in pre participation sports physical assessment as well as return-to-play/life activities assessment for pediatric patients by sport/injury. *Competencies: MK, PC*
6. Demonstrate skill and performance in the following procedures: application of orthopedic devices (including splints, casts and other immobilizers), assessment for crutches/walkers, fracture/dislocation reduction, joint aspiration. *Competencies: MK, PC*
7. Learn and or perform procedures including aspiration/injection of joints, fracture reduction, joint reduction compartment testing and nerve blocks. *Competencies: MK, PC*
8. Participate in care provided in the clinic setting, sporting event setting or pre participation assessment events for athletes. *Competencies: PC, MK, SBP*
9. Demonstrate knowledge in roles and responsibilities of PEM physicians as team physicians and community advocates for safe pediatric sports practices. *Competencies: PC, SBP, PBLI, P*
10. Become familiar with medicolegal issues (including physicians role) regarding children/adolescents as they participate in organized sports. *Competencies: PC, SBP, PBLI, P*
11. Demonstrate an awareness of and participate in patient safety efforts and identification/reporting of system errors. *Competencies: SBP, PC, PBLI, P*
12. Fellows are expected to achieve competence in Patient Care, Medical knowledge, Practice Based Learning, Professionalism, Interpersonal Skills and system Based Practice as they apply to the

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practice of Pediatric Sports Medicine.

DESCRIPTION OF CLINICAL EXPERIENCE:

Fellows will spend 2-4 weeks rotating between clinics including UMHS sports med (adolescents and adults), pediatric orthopedic outpatient clinics, pediatric/adult radiology review rooms, cast room) staffed by UMHS faculty with joint appointment in EM/Orthopedics and Pediatric Orthopedics. One half day opportunity for pre participation sports evaluation of young athletes will be available. Fellows will work under close supervision by UMHS EM/Peds orthopedic faculty providing outpatient clinical evaluation of common pediatric orthopedic problems related to sports. Additionally, time will be spent 1-2 half days/week reviewing pediatric radiography studies related to pediatric injuries with UMHS sports medicine/radiology staff. Fellows are supervised in compliance with UMHS/GME/Fellowship Program Supervision policies while on this rotation. Fellows are required to be in compliance with UMHS/GME/Fellowship Program Duty Hour Reporting policies while on this rotation

DESCRIPTION OF DIDACTIC EXPERIENCE:

Fellows will be released to attend Wed PEM conferences as well as scheduled sports medicine conferences two half days/week. Fellows are also released ½ day once/month on Tuesday/Thursday to attend track programs as determined by schedule timing/track assignment. Fellows rotating in sports medicine will be assigned to prepare a didactic or EBM lecture for presentation in the PEM lecture series during their rotation pertaining to a pediatric sports medicine topic as agreed upon by rotation supervisor/program director.

EVALUATION PROCESS:

Fellows are evaluated using tools based on the six core competencies completed in writing by pediatric orthopedic/sports medicine faculty after rotation via the UMHS MedHub online evaluation system. Fellows likewise evaluate their experiences after each rotation as well. Evaluations are forwarded to the Program Director and made available in aggregate to individual fellows via the MedHub system at all times. Formal review of fellow's evaluations occurs at quarterly PD/Fellow meetings.

FEEDBACK MECHANISMS:

Specific problems or notations of excellence identified through verbal or written communication to the Program Director regarding the fellow are immediately brought to the attention of the involved fellow. Fellows receiving an overall poor performance grade (less than satisfactory evaluation for rotation) are notified immediately and meet with the PD. Fellows who receive notation for improvement in some areas (but pass the overall rotation) are given a work plan for educational intervention with specific timeline for completion and reevaluation. Fellows who do not pass an overall rotation will meet with the PD for remediation work plan, including timetable for reevaluation, UMHS notifications as required by GME and may repeat this elective rotation. Monthly evaluations are placed in the fellow's file and are available for review at any time by the fellow, but are also reviewed during quarterly meetings with the PD.

Accreditation Council for Graduate Medical Education (ACGME) Core Competency Key:

PC = Patient Care; MK = Medical Knowledge; PBLI = Practice-Based Learning and Improvement; IC = Interpersonal and Communication Skills; P = Professionalism; SBP = Systems-Based Practice

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Fellows are encouraged to review their MedHub evaluations regularly and at least monthly.

Reviewed		11/2006	06/2008		06/30/2009		
Revised	08/2005			11/2008		07/05/2011	
Initial(s)	MN	MN	MN	MN	MN		