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## ACGME Milestones


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## Disclosure

- Clinical Orthopaedics and Related Research
- American Board of Orthopaedic Surgery



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## Objectives


- Review the ACGME Milestones framework
- Discuss experience
- What's next?

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## In the Beginning.....

- ACGME required assessment tools
- End of Rotation Evaluation
- Documentation Poor



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## Six Competencies 1999


<ul style="list-style-type: none"> <li><b>Deconstruct the traits for all physicians</b></li> <li><b>Used for:</b></li> <li>Medical School</li> <li>Residency</li> <li>Credentialing</li> <li>Board Certification</li> </ul>	<ul style="list-style-type: none"> <li>Patient Care</li> <li>Orthopaedic Knowledge</li> <li>Practice Based Learning Improvement</li> <li>Systems Based Practice</li> <li>Communication and Interpersonal</li> <li>Professionalism</li> </ul>
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## Six Competencies

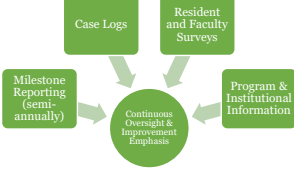
- No real guidance
- Content
- Standards
- Assessment
- All left to program, specialty or institution to develop



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### Next Accreditation System-2013


- Yearly Data reviewed by the Residency Review Committee
- Comprehensive Site visit every ten years
- Milestones a part



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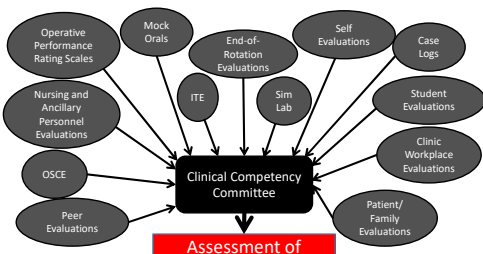
### Milestones

- Framework for assessment
- Reported to ACGME for **every** resident **every** six months (rotated only)
- Milestones assessments for each area decided by **Committee**
- Clinical Competency Committee (CCC)**



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### Based on Holistic Evaluation



Assessment of Milestones

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### General Framework

Milestone Description: Template				
Level 1	Level 2	Level 3	Level 4	Level 5
What are the expectations for a beginning resident?	What are the milestones for a resident who has advanced over entry, but is performing at a lower level than expected at mid-residency?	What are the key developmental milestones mid-residency?  What should they be able to do well in the realm of the specialty at this point?	What does a graduating resident look like?  What additional knowledge, skills & attitudes have they obtained?  Are they ready for certification?	Stretch Goals – Exceeds expectations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments:				

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### Milestones 1.0

- 17 topics
- 32 procedures
- Assessment tools lacking



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### Milestones 1.0 topics

- ACL
- Ankle Arthritis
- Ankle Fracture
- Carpal Tunnel
- Degenerative Spinal Conditions
- Diabetic Foot
- Diaphyseal Femur and Tibia Fracture
- DRF
- Elbow Fracture
- Hip and Knee OA
- Hip Fracture
- Metastatic Bone Lesion
- Meniscal Tear
- Pediatric Septic Hip
- Rotator Cuff Injury
- Pediatric SCH

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### Milestones 1.0 Ankle Fracture

**Milestone Description: Ankle Fracture – Medical Knowledge**

Level 1	Level 2	Level 3	Level 4	Level 5
<ul style="list-style-type: none"> <li>• Demonstrates knowledge of pathophysiology related to ankle fractures</li> <li>• Correlates anatomic knowledge to imaging findings on basic imaging studies</li> <li>• Demonstrates knowledge of non-operative treatment options and surgical indications</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrates ability to classify fractures</li> <li>• Correlates anatomic knowledge to imaging findings on advanced imaging studies</li> <li>• Demonstrates basic knowledge of natural history of ankle fractures</li> <li>• Demonstrates knowledge of ankle fractures anatomy and basic surgical approaches</li> <li>• Understands basic pre-surgical planning and templating</li> <li>• Understands implication of open fractures and soft tissue injury</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrates knowledge of current literature and alternative treatments</li> <li>• Understands the effects of the variation of natural history of ankle fractures</li> <li>• Understands alternative surgical approaches</li> </ul>	<ul style="list-style-type: none"> <li>• Understands controversies within the field/controversies: Reason, indications and options</li> <li>• Applies understanding of natural history to clinical decision-making</li> <li>• Understanding of biomechanics and implant choices</li> </ul>	<ul style="list-style-type: none"> <li>• Primary author/presenter of original work within the field</li> </ul>

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### Milestones 2.0

- Review of Milestones 2019
- **New Reporting July 2021**
- Patient Care divided into
  - Operative
  - Patient Evaluation
- General Form
- Recommended core topics/procedures

**Operative Management**

- Fractures and Dislocations
- Soft Tissue Pathology
- Arthroscopic
- Degenerative, Infectious, Neoplastic
- Pediatric

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### Milestones-What have we learned?


- Increased documentation of resident performance
- Review of all residents every 6 months by CCC



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### Milestones-Problems

- Faculty need to develop a “shared mental model” of what a resident looks like
- Core topics/procedures are chosen by program
- Assessment tools lacking
- Privacy



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### Milestones-Where to Go?


- Suspend uploading data
- Subjective
- Privacy
- Develop agreed upon knowledge and skills
- Develop better assessment tools



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### Milestones-Where to Go?

- Framework is backwards!!!
- Decide what knowledge and skills are necessary
- Criterion specific assessment tools
- Requires Research



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