**New Application: Orthopaedic Trauma**

**Review Committee for Orthopaedic Surgery**

**ACGME**

The questions that follow provide programs with an opportunity to systematically describe the manner in which they comply with accreditation requirements. Responses should be **concise and focused**. During the site visit, fellows, faculty members, and others will be asked to comment on the information provided. **As such, those who will be interviewed should read the application prior to their meeting with the Accreditation Field Representative.**

**Oversight**

**Participating Sites**

1. Will orthopaedic residents and orthopaedic trauma fellows be educated at the same participating site(s)? [PR 1.2.a.- 1.2.b.]   YES  NO

Explain if “NO”.

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**Resources**

1. Describe how fellow access to records, including photographic records, and x-rays of orthopaedic trauma cases via computerized or other efficient coding system for at least five years following patient discharge will be ensured. [PR 1.8.a.]

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* 1. Will photography support be readily available? [PR 1.8.a.]  YES  NO

Explain if “NO”.

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1. Describe the planned contribution of other clinical specialties, including anesthesiology; emergency medicine; general surgery; intensive care; neurological surgery; radiology, including CT and angiography; and rehabilitation services, to fellow education. Include reference to personnel, facilities, administrative services, and financial support. [PR 1.8.b.]

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1. Describe the facilities available at the primary clinical site to support fellow education. Include a concise description of the trauma center and facilities for acute and emergency surgery [PR 1.8.d.]

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1. Does the primary hospital have the following clinical resources to support fellow education? [PR 1.8.e.]

Modern operating room facility  YES  NO

Image intensification-compatible fracture table  YES  NO

Orthopaedic implants in stock  YES  NO

Special room dedicated to acute and emergency surgery  YES  NO

Explain any “NO” responses.

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**Other Learners and Other Care Providers**

1. Enter the number of any type of residents and/or fellows assigned to each participating site *for any type of orthopaedic surgery education and training* each year. Use site numbers as listed in the ACGME’s Accreditation Data System (ADS). Add rows as necessary. [PR 1.11.a.]

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| **Type of Orthopaedic Education/Training** | **Site #1** | | **Site #2** | | **Site #3** | | **Site #4** | |
| **Total/ Year** | **Present at Any One Time** | **Total/ Year** | **Present at Any One Time** | **Total/ Year** | **Present at Any One Time** | **Total/ Year** | **Present at Any One Time** |
| Clinical |  |  |  |  |  |  |  |  |
| Research |  |  |  |  |  |  |  |  |
| Other  (specify) |  |  |  |  |  |  |  |  |

1. Provide the following information regarding *orthopaedic surgery* residents who are assigned to each participating site *for education and training in orthopaedic trauma* each year. Use the same site numbers as listed in ADS and in the previous table. Add rows as necessary. [PR 1.11.a.]

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| **Name of Program** | **Site #1** | | **Site #2** | | **Site #3** | | **Site #4** | |
| **Total/ Year** | **Present at Any One Time** | **Total/ Year** | **Present at Any One Time** | **Total/ Year** | **Present at Any One Time** | **Total/ Year** | **Present at Any One Time** |
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**Personnel**

**Program Director**

1. How will the program director select, supervise, and evaluate the teaching staff members and other program personnel at each site participating in the program? How will the program director monitor fellow supervision and education at each site? [CPR 2.5.]

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1. Does the program require fellows to sign a non-competition guarantee or restrictive covenant? [CPR 3.1.]  YES  NO

Explain if “YES”.

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**Program Coordinator and Other Program Personnel**

1. How will administrative support for program coordination and the availability of necessary personnel for the effective administration of the program be ensured? [CPR 2.11.; 2.12.]

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**Educational Program**

**ACGME Competencies**

**Patient Care and Procedural Skills**

1. Describe how the program will ensure that fellows develop competence in each of the following areas.
   1. Medical, surgical, and psycho-sociological skills for the management of the severely injured patient [PR 4.4.a.]

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* 1. Resuscitation of patients with polytrauma [PR 4.4.b.]

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* 1. Diagnosis and management of complications of musculoskeletal trauma [PR 4.4.c.]

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* 1. Responsible and appropriate administration of narcotic medication [PR 4.4.d.]

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* 1. Competence in operative and non-operative procedures required for the appropriate management of patients with dislocations or fractures [PR 4.5.a.- 4.5.a.11.]

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* 1. Competence in performing orthopaedic trauma procedures [PR 4.5.b.-4.5.b.5.]

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**Medical Knowledge**

1. Describe how the program will ensure that fellows develop competence in their knowledge in each of the following areas.
2. The indications, risks, and limitations of the commonly performed procedures in orthopaedic trauma [PR 4.6.a.]

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1. The basic sciences related to orthopaedic trauma [PR 4.6.b.]

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1. Integration of the orthopaedic trauma surgeon in a trauma team, and the timing of orthopaedic procedures in the overall care of the severely injured patient [PR 4.6.c.]

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1. Pathophysiology of severe musculoskeletal trauma and secondary organ failure [PR 4.6.d.]

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1. Psychiatric and psychological implications of severe musculoskeletal trauma for patients and their family members [PR 4.6.e.]

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1. Recuperative and rehabilitation techniques and use of physical and occupational therapy designed to return the patient to normal activities and work [PR 4.6.f.]

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1. Indications for various types of internal and external fixation devices and their applications in multiple trauma situations both in the axial and appendicular skeletons [PR 4.6.g.]

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1. Treatment protocols for severe soft tissue injuries, including compartment syndrome and secondary organ failures in polytrauma [PR 4.6.h.]

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1. Indications for early or immediate amputation rather than salvage attempts of severely injured limbs [PR 4.6.i.]

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1. The application of research methods, including the ability to critically analyze research reports and design and implement clinical or basic research in the field of musculoskeletal trauma [PR 4.6.j.]

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**Curriculum Organization and Fellow Experiences**

1. Describe how the program is structured to ensure fellows continue to provide care for their own post-operative patients until discharge or until the patients/post-operative conditions are stable and the episode of care is concluded. [PR 4.10.a.]

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1. Describe the curriculum for instruction and experience in multimodal pain treatment, including non-narcotic pain medications and alternative pain reducing modalities. [PR 4.12.a.]

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1. Describe the didactic curriculum in the areas of anatomy, physiology, biomechanics, pathology, microbiology, pharmacology, epidemiology, and immunology as they relate to orthopaedic trauma. [PR 4.11.b.]

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1. Describe the program conference schedule, including the planned levels of teaching staff member participation and fellow attendance. Describe related educational activities, including the frequency of teaching and morbidity and mortality conferences, and journal club related to orthopaedic trauma surgery. [PR 4.11.b.1.-4.11.b.1.c.]

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1. How will the program ensure that fellows will be provided with adequate opportunities to observe and manage patients with a variety of problems in orthopaedic trauma and that the breadth of clinical experience includes the evaluation and care of individuals through a wide range of ages and genders. [PR 4.11.c.1.-4.11.c.2.]

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1. Describe how the program will ensure that fellows’ clinical care experiences will include a major role in the continuing care of patients, and that they include progressive responsibility for patient assessment, decisions regarding treatment, pre-operative evaluation and planning, operative experience, non-operative management, post-operative intensive care, other post-operative management, rehabilitation, and other outpatient care. [PR 4.11.c.3.]

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1. Describe opportunities for fellows to provide consultation with faculty member supervision, as well as fellows teaching responsibilities for other fellows, allied health personnel, and residents and medical students, if present. [PR 4.11.c.4.-4.11.c.5.]

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1. Describe how the program director will ensure the timely, accurate and complete collection, in the ACGME Case Log System, of operative procedures performed by each fellow. [PR 4.11.d.]

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1. Describe how fellows will be evaluated within six weeks of entry into the program for expected entry-level skills, as well as the provision for additional education and training in a timely manner is needed. [PR 4.11.e.]

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**Scholarship**

**Program Responsibilities**

1. Describe the facilities and resources (including space, equipment, support personnel, funding) that will be utilized to support fellow research. [PR 4.13.a.]

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1. Describe how protected time free of clinical responsibilities for fellow research activities will be provided to the fellows. [PR 4.13.a.-4.13.a.1.]

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**Fellow Scholarly Activity**

1. Describe how the program will ensure that fellows participate in basic and/or clinical hypothesis-based research. [PR 4.15.]

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**the learning and working environment**

**Supervision and Accountability**

1. Describe fellows’ planned responsibilities for inpatients, emergency rooms, outpatient clinics, operating rooms, and private offices and how supervision will be provided in each area. [CPR 6.7.]

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1. Describe how the assignment of progressive authority and responsibility, conditional independence, and a supervisory role in patient care will be determined. Include the specific criteria used by the program director to evaluate fellow abilities, the timing of such evaluation(s), and how the program director ensures that each faculty member and fellow functioning as a supervising physician uses this information to delegate portions of care to fellows and residents based on the needs of the patient and the skills of each fellow. [CPR 6.9.- 6.9.c.]

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1. Describe the guidelines for circumstances and events in which fellows must communicate with the supervising faculty member(s). [CPR 6.10.]

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**Clinical Experience and Education**

How many months of night float will fellows be assigned in each year of the program?   
[PR 6.26.a.] [ # ]

**Institutional Operative Data**

Report the number of operative procedures performed at each participating site during the most recently completed 12-month academic year. Site numbers must correspond to information provided in ADS and throughout this application document. *Add columns as necessary.* [PR 1.8.d.]

|  | **Site #1** | | **Site #2** | | **Site #3** | | **Site #4** | | **Site #5** | | **Total** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Adult** | **Peds** | **Adult** | **Peds** | **Adult** | **Peds** | **Adult** | **Peds** | **Adult** | **Peds** | **Adult** | **Peds** |
| Spine |  |  |  |  |  |  |  |  |  |  |  |  |
| Hip/pelvis |  |  |  |  |  |  |  |  |  |  |  |  |
| Knee |  |  |  |  |  |  |  |  |  |  |  |  |
| Ankle/foot |  |  |  |  |  |  |  |  |  |  |  |  |
| Shoulder |  |  |  |  |  |  |  |  |  |  |  |  |
| Elbow |  |  |  |  |  |  |  |  |  |  |  |  |
| Wrist/hand |  |  |  |  |  |  |  |  |  |  |  |  |
| Long bones 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| Soft tissues 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |
| Amputation 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| Oncologic |  |  |  |  |  |  |  |  |  |  |  |  |
| Microsurgery |  |  |  |  |  |  |  |  |  |  |  |  |
| Arthroscopic |  |  |  |  |  |  |  |  |  |  |  |  |
| Closed manipulation 4 |  |  |  |  |  |  |  |  |  |  |  |  |

1. Long bones: Includes humerus, ulna/radius, femur, tibia/fibula. Excludes periarticular.
2. Soft Tissues: Includes surgery of muscles, tendons, fascia, skin, nerves and vessels. Excludes periarticular, hand, and those listed as microsurgery.
3. Amputation: Excludes oncologic amputations.
4. Closed manipulation: Includes manipulative reduction of dislocations/fractures and treatment of non-traumatic contractures and deformities.

**Defined Case Category Procedures**

Report the number of defined case category procedures performed at each participating site during the most rcently completed 12-month academic year. Site numbers must correspond to information provided in ADS and throughout this application document. *Add columns as necessary.* [PR 4.5.a.]

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Procedure | CPT Code | Site #1 | Site #2 | Site #3 | Site #4 | Site #5 | Total |
| **Shoulder - Fracture and/or Dislocation** | | | | | | | |
| Closed treatment of clavicular fracture; without manipulation | 23500 |  |  |  |  |  |  |
| Open treatment of clavicular fracture, includes internal fixation when performed | 23515 |  |  |  |  |  |  |
| Closed treatment of sternoclavicular dislocation; without manipulation | 23520 |  |  |  |  |  |  |
| Open treatment of sternoclavicular dislocation, acute or chronic | 23530 |  |  |  |  |  |  |
| Open treatment of sternoclavicular dislocation, acute or chronic; with fascial graft (includes obtaining graft) | 23532 |  |  |  |  |  |  |
| Closed treatment of acromioclavicular dislocation; without manipulation | 23540 |  |  |  |  |  |  |
| Open treatment of acromioclavicular dislocation, acute or chronic | 23550 |  |  |  |  |  |  |
| Open treatment of acromioclavicular dislocation, acute or chronic; with fascial graft (includes obtaining graft) | 23552 |  |  |  |  |  |  |
| Closed treatment of scapular fracture; without manipulation | 23570 |  |  |  |  |  |  |
| Open treatment of scapular fracture (body, glenoid or acromion), includes internal fixation when performed | 23585 |  |  |  |  |  |  |
| Closed treatment of proximal humeral (surgical or anatomical neck) fracture; without manipulation | 23600 |  |  |  |  |  |  |
| Open treatment of proximal humeral (surgical or anatomical neck) fracture, includes internal fixation, when performed, includes repair of tuberosity(s) when performed | 23615 |  |  |  |  |  |  |
| Open treatment of proximal humeral (surgical or anatomical neck) fracture, includes internal fixation, when performed, includes repair of tuberosity(s) when performed; with proximal humeral prosthetic replacement | 23616 |  |  |  |  |  |  |
| Closed treatment of greater humeral tuberosity fracture; without manipulation | 23620 |  |  |  |  |  |  |
| Open treatment of greater humeral tuberosity fracture, includes internal fixation when performed | 23630 |  |  |  |  |  |  |
| Open treatment of acute shoulder dislocation | 23660 |  |  |  |  |  |  |
| Open treatment of shoulder dislocation, with fracture of greater humeral tuberosity, includes internal fixation when performed | 23670 |  |  |  |  |  |  |
| Open treatment of shoulder dislocation, with surgical or anatomical neck fracture, includes internal fixation when performed | 23680 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Humerus/Elbow - Fracture and/or Dislocation** | | | | | | | |
| Closed treatment of humeral shaft fracture; without manipulation | 24500 |  |  |  |  |  |  |
| Open treatment of humeral shaft fracture with plate/screws, with or without cerclage | 24515 |  |  |  |  |  |  |
| Treatment of humeral shaft fracture, with insertion of intramedullary implant, with or without cerclage and/or locking screws | 24516 |  |  |  |  |  |  |
| Closed treatment of supracondylar or transcondylar humeral fracture, with or without intercondylar extension; without manipulation | 24530 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of supracondylar or transcondylar humeral fracture, with or without intercondylar extension | 24538 |  |  |  |  |  |  |
| Open treatment of humeral supracondylar or transcondylar fracture, includes internal fixation, when performed; without intercondylar extension | 24545 |  |  |  |  |  |  |
| Open treatment of humeral supracondylar or transcondylar fracture, includes internal fixation, when performed; with intercondylar extension | 24546 |  |  |  |  |  |  |
| Closed treatment of humeral epicondylar fracture, medial or lateral; without manipulation | 24560 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of humeral epicondylar fracture, medial or lateral, with manipulation | 24566 |  |  |  |  |  |  |
| Open treatment of humeral epicondylar fracture, medial or lateral, includes internal fixation when performed | 24575 |  |  |  |  |  |  |
| Closed treatment of humeral condylar fracture, medial or lateral; without manipulation | 24576 |  |  |  |  |  |  |
| Open treatment of humeral condylar fracture, medial or lateral, includes internal fixation when performed | 24579 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of humeral condylar fracture, medial or lateral, with manipulation | 24582 |  |  |  |  |  |  |
| Open treatment of periarticular fracture and/or dislocation of the elbow (fracture distal humerus and proximal ulna and/or proximal radius) | 24586 |  |  |  |  |  |  |
| Open treatment of periarticular fracture and/or dislocation of the elbow (fracture distal humerus and proximal ulna and/or proximal radius); with implant arthroplasty | 24587 |  |  |  |  |  |  |
| Open treatment of acute or chronic elbow dislocation | 24615 |  |  |  |  |  |  |
| Open treatment of Monteggia type of fracture dislocation at elbow (fracture proximal end of ulna with dislocation of radial head), includes internal fixation when performed | 24635 |  |  |  |  |  |  |
| Closed treatment of radial head or neck fracture; without manipulation | 24650 |  |  |  |  |  |  |
| Open treatment of radial head or neck fracture, includes internal fixation or radial head excision when performed; | 24665 |  |  |  |  |  |  |
| Open treatment of radial head or neck fracture, includes internal fixation or radial head excision when performed; with radial head prosthetic replacement | 24666 |  |  |  |  |  |  |
| Closed treatment of ulnar fracture, proximal end (e.g., olecranon or coronoid process [es]); without manipulation | 24670 |  |  |  |  |  |  |
| Open treatment of ulnar fracture, proximal end (e.g., olecranon or coronoid process [es]), includes internal fixation when performed | 24685 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Forearm/Wrist - Fracture and/or Dislocation** | | | | | | | |
| Closed treatment of radial shaft fracture; without manipulation | 25500 |  |  |  |  |  |  |
| Open treatment of radial shaft fracture, includes internal fixation when performed | 25515 |  |  |  |  |  |  |
| Open treatment of radial shaft fracture, includes internal fixation when performed, and closed treatment of distal radioulnar joint dislocation (Galeazzi fracture/ dislocation), includes percutaneous skeletal fixation when performed | 25525 |  |  |  |  |  |  |
| Open treatment of radial shaft fracture, includes internal fixation, when performed, and open treatment of distal radioulnar joint dislocation (Galeazzi fracture/ dislocation), includes internal fixation when performed, includes repair of triangular fibrocartilage complex | 25526 |  |  |  |  |  |  |
| Closed treatment of ulnar shaft fracture; without manipulation | 25530 |  |  |  |  |  |  |
| Open treatment of ulnar shaft fracture, includes internal fixation when performed | 25545 |  |  |  |  |  |  |
| Closed treatment of radial and ulnar shaft fractures; without manipulation | 25560 |  |  |  |  |  |  |
| Open treatment of radial AND ulnar shaft fractures, with internal fixation when performed; of radius OR ulna | 25574 |  |  |  |  |  |  |
| Open treatment of radial AND ulnar shaft fractures, with internal fixation when performed; of radius AND ulna | 25575 |  |  |  |  |  |  |
| Closed treatment of distal radial fracture (e.g., Colles or Smith type) or epiphyseal separation, includes closed treatment of fracture of ulnar styloid when performed; without manipulation | 25600 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of distal radial fracture or epiphyseal separation | 25606 |  |  |  |  |  |  |
| Open treatment of distal radial extra-articular fracture or epiphyseal separation, with internal fixation | 25607 |  |  |  |  |  |  |
| Open treatment of distal radial intra-articular fracture or epiphyseal separation; with internal fixation of two fragments | 25608 |  |  |  |  |  |  |
| Open treatment of distal radial intra-articular fracture or epiphyseal separation; with internal fixation of three or more fragments | 25609 |  |  |  |  |  |  |
| Closed treatment of carpal scaphoid (navicular) fracture; without manipulation | 25622 |  |  |  |  |  |  |
| Open treatment of carpal scaphoid (navicular) fracture, includes internal fixation when performed | 25628 |  |  |  |  |  |  |
| Closed treatment of carpal bone fracture (excluding carpal scaphoid [navicular]); without manipulation, each bone | 25630 |  |  |  |  |  |  |
| Open treatment of carpal bone fracture (other than carpal scaphoid [navicular]), each bone | 25645 |  |  |  |  |  |  |
| Closed treatment of ulnar styloid fracture | 25650 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of ulnar styloid fracture | 25651 |  |  |  |  |  |  |
| Open treatment of ulnar styloid fracture | 25652 |  |  |  |  |  |  |
| Open treatment of radiocarpal or intercarpal dislocation, one or more bones | 25670 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of distal radioulnar dislocation | 25671 |  |  |  |  |  |  |
| Open treatment of distal radioulnar dislocation, acute or chronic | 25676 |  |  |  |  |  |  |
| Open treatment of trans-scaphoperilunar type of fracture dislocation | 25685 |  |  |  |  |  |  |
| Open treatment of lunate dislocation | 25695 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Pelvis/Hip - Fracture and/or Dislocation** | | | | | | | |
| Closed treatment of pelvic ring fracture, dislocation, diastasis or subluxation; without manipulation | 27193 |  |  |  |  |  |  |
| Closed treatment of coccygeal fracture | 27200 |  |  |  |  |  |  |
| Open treatment of coccygeal fracture | 27202 |  |  |  |  |  |  |
| Open treatment of iliac spine(s), tuberosity avulsion, or iliac wing fracture(s), unilateral, for pelvic bone fracture patterns that do not disrupt the pelvic ring, includes internal fixation when performed | 27215 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of posterior pelvic bone fracture and/or dislocation, fracture patterns that disrupt the pelvic ring, unilateral (includes ipsilateral ilium, sacroiliac joint and/or sacrum) | 27216 |  |  |  |  |  |  |
| Open treatment of anterior pelvic bone fracture and/or dislocation for fracture patter that disrupt the pelvic ring, unilateral, includes internal fixation when performed (includes pubic symphysis and/or ipsilateral superior/inferior rami) | 27217 |  |  |  |  |  |  |
| Open treatment of posterior pelvic bone fracture and/or dislocation, for fracture patterns that disrupt the pelvic ring, unilateral, includes internal fixation when performed (includes ipsilateral ilium, sacroiliac joint and/or sacrum) | 27218 |  |  |  |  |  |  |
| Closed treatment of acetabulum (hip socket) fracture(s); without manipulation | 27220 |  |  |  |  |  |  |
| Open treatment of posterior or anterior acetabular wall fracture, with internal fixation | 27226 |  |  |  |  |  |  |
| Open treatment of acetabular fracture(s) involving anterior or posterior (one) column or a fracture running transversely across the acetabulum, with internal fixation | 27227 |  |  |  |  |  |  |
| Open treatment of acetabular fracture(s) involving anterior and posterior (two) columns, includes T-fracture and both column fracture with complete articular detachment, or single column or transverse fracture with associated acetabular wall fracture, with internal fixation | 27228 |  |  |  |  |  |  |
| Closed treatment of femoral fracture, proximal end, neck; without manipulation | 27230 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of femoral fracture, proximal end, neck | 27235 |  |  |  |  |  |  |
| Open treatment of femoral fracture, proximal end, neck, internal fixation or prosthetic replacement | 27236 |  |  |  |  |  |  |
| Closed treatment of intertrochanteric, peritrochanteric, or subtrochanteric femoral fracture, without manipulation | 27238 |  |  |  |  |  |  |
| Treatment of intertrochanteric, peritrochanteric, or subtrochanteric femoral fracture; with plate/screw type implant, with or without cerclage | 27244 |  |  |  |  |  |  |
| Treatment of intertrochanteric, peritrochanteric, or subtrochanteric femoral fracture; with intramedullary implant, with or without interlocking screws and/or cerclage | 27245 |  |  |  |  |  |  |
| Closed treatment of greater trochanteric fracture, without manipulation | 27246 |  |  |  |  |  |  |
| Open treatment of greater trochanteric fracture, includes internal fixation when performed | 27248 |  |  |  |  |  |  |
| Open treatment of hip dislocation, traumatic, without internal fixation | 27253 |  |  |  |  |  |  |
| Open treatment of hip dislocation, traumatic, with acetabular wall and femoral head fracture, with or without internal or external fixation | 27254 |  |  |  |  |  |  |
| Treatment of spontaneous hip dislocation (developmental, including congenital or pathological), by abduction, splint or traction; without anesthesia, without manipulation | 27256 |  |  |  |  |  |  |
| Open treatment of spontaneous hip dislocation (developmental, including congenital or pathological), replacement of femoral head in acetabulum (including tenotomy), etc. | 27258 |  |  |  |  |  |  |
| Open treatment of spontaneous hip dislocation (developmental, including congenital or pathological), replacement of femoral head in acetabulum (including tenotomy, etc.); with femoral shaft shortening | 27259 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Femur/Knee - Fracture and/or Dislocation** | | | | | | | |
| Closed treatment of femoral shaft fracture, without manipulation | 27500 |  |  |  |  |  |  |
| Closed treatment of supracondylar or transcondylar femoral fracture with or without intercondylar extension, without manipulation | 27501 |  |  |  |  |  |  |
| Open treatment of femoral shaft fracture, with or without external fixation, with insertion of intramedullary implant, with or without cerclage and/or locking screws | 27506 |  |  |  |  |  |  |
| Open treatment of femoral shaft fracture with plate/screws, with or without cerclage | 27507 |  |  |  |  |  |  |
| Closed treatment of femoral fracture, distal end, medial or lateral condyle, without manipulation | 27508 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of femoral fracture, distal end, medial or lateral condyle, or supracondylar or transcondylar, with or without intercondylar extension, or distal femoral epiphyseal separation | 27509 |  |  |  |  |  |  |
| Open treatment of femoral supracondylar or transcondylar fracture without intercondylar extension, includes internal fixation when performed | 27511 |  |  |  |  |  |  |
| Open treatment of femoral supracondylar or transcondylar fracture with intercondylar extension, includes internal fixation when performed | 27513 |  |  |  |  |  |  |
| Open treatment of femoral fracture, distal end, medial or lateral condyle, includes internal fixation when performed | 27514 |  |  |  |  |  |  |
| Closed treatment of distal femoral epiphyseal separation; without manipulation | 27516 |  |  |  |  |  |  |
| Open treatment of distal femoral epiphyseal separation, includes internal fixation when performed | 27519 |  |  |  |  |  |  |
| Closed treatment of patellar fracture, without manipulation | 27520 |  |  |  |  |  |  |
| Open treatment of patellar fracture, with internal fixation and/or partial or complete patellectomy and soft tissue repair | 27524 |  |  |  |  |  |  |
| Closed treatment of tibial fracture, proximal (plateau); without manipulation | 27530 |  |  |  |  |  |  |
| Open treatment of tibial fracture, proximal (plateau); unicondylar, includes internal fixation when performed | 27535 |  |  |  |  |  |  |
| Open treatment of tibial fracture, proximal (plateau); bicondylar, with or without internal fixation | 27536 |  |  |  |  |  |  |
| Open treatment of intercondylar spine(s) and/or tuberosity fracture(s) of the knee, includes internal fixation when performed | 27540 |  |  |  |  |  |  |
| Open treatment of knee dislocation, includes internal fixation when performed; without primary ligamentous repair or augmentation/reconstruction | 27556 |  |  |  |  |  |  |
| Open treatment of knee dislocation, includes internal fixation when performed; with primary ligamentous repair | 27557 |  |  |  |  |  |  |
| Open treatment of knee dislocation, includes internal fixation when performed; with primary ligamentous repair, with augmentation/reconstruction | 27558 |  |  |  |  |  |  |
| Open treatment of patellar dislocation, with or without partial or total patellectomy | 27566 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Leg/Ankle - Fracture and/or Dislocation** | | | | | | | |
| Closed treatment of tibial shaft fracture (with or without fibular fracture); without manipulation | 27750 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of tibial shaft fracture (with or without fibular fracture) (e.g., pins or screws) | 27756 |  |  |  |  |  |  |
| Open treatment of tibial shaft fracture (with or without fibular fracture), with plate/screws, with or without cerclage | 27758 |  |  |  |  |  |  |
| Treatment of tibial shaft fracture (with or without fibular fracture) by intramedullary implant, with or without interlocking screws and/or cerclage | 27759 |  |  |  |  |  |  |
| Closed treatment of medial malleolus fracture; without manipulation | 27760 |  |  |  |  |  |  |
| Open treatment of medial malleolus fracture, includes internal fixation when performed | 27766 |  |  |  |  |  |  |
| Open treatment of posterior malleolus fracture, includes internal fixation when performed | 27769 |  |  |  |  |  |  |
| Closed treatment of proximal fibula or shaft fracture; without manipulation | 27780 |  |  |  |  |  |  |
| Open treatment of proximal fibula or shaft fracture, includes internal fixation when performed | 27784 |  |  |  |  |  |  |
| Closed treatment of distal fibular fracture (lateral malleolus); without manipulation | 27786 |  |  |  |  |  |  |
| Open treatment of distal fibular fracture (lateral malleolus), includes internal fixation when performed | 27792 |  |  |  |  |  |  |
| Closed treatment of bimalleolar ankle fracture (e.g., lateral and medial malleoli, or lateral and posterior malleoli or medial and posterior malleoli); without manipulation | 27808 |  |  |  |  |  |  |
| Open treatment of bimalleolar ankle fracture (e.g., lateral and medial malleoli, or lateral and posterior malleoli, or medial and posterior malleoli), includes internal fixation when performed | 27814 |  |  |  |  |  |  |
| Closed treatment of trimalleolar ankle fracture; without manipulation | 27816 |  |  |  |  |  |  |
| Open treatment of trimalleolar ankle fracture, includes internal fixation when performed, medial and/or lateral malleolus; without fixation of posterior lip | 27822 |  |  |  |  |  |  |
| Open treatment of trimalleolar ankle fracture, includes internal fixation when performed, medial and/or lateral malleolus; with fixation of posterior lip | 27823 |  |  |  |  |  |  |
| Closed treatment of fracture of weight bearing articular portion of distal tibia (e.g., pilon or tibial plafond), with or without anesthesia; without manipulation | 27824 |  |  |  |  |  |  |
| Open treatment of fracture of weight bearing articular surface/portion of distal tibia (e.g., pilon or tibial plafond), with internal fixation when performed; of fibula only | 27826 |  |  |  |  |  |  |
| Open treatment of fracture of weight bearing articular surface/portion of distal tibia (e.g., pilon or tibial plafond), with internal fixation when performed; of tibia only | 27827 |  |  |  |  |  |  |
| Open treatment of fracture of weight bearing articular surface/portion of distal tibia (e.g., pilon or tibial plafond), with internal fixation when performed; of both tibia and fibula | 27828 |  |  |  |  |  |  |
| Open treatment of distal tibiofibular joint (syndesmosis) disruption, includes internal fixation when performed | 27829 |  |  |  |  |  |  |
| Open treatment of proximal tibiofibular joint dislocation, includes internal fixation when performed, or with excision of proximal fibula | 27832 |  |  |  |  |  |  |
| Open treatment of ankle dislocation, with or without percutaneous skeletal fixation; without repair or internal fixation | 27846 |  |  |  |  |  |  |
| Open treatment of ankle dislocation, with or without percutaneous skeletal fixation; with repair or internal or external fixation | 27848 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Foot/Toes - Fracture and/or Dislocation** | | | | | | | |
| Closed treatment of calcaneal fracture; without manipulation | 28400 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of calcaneal fracture, with manipulation | 28406 |  |  |  |  |  |  |
| Open treatment of calcaneal fracture, includes internal fixation when performed; | 28415 |  |  |  |  |  |  |
| Open treatment of calcaneal fracture, includes internal fixation when performed; with primary iliac or other autogenous bone graft (includes obtaining graft) | 28420 |  |  |  |  |  |  |
| Closed treatment of talus fracture; without manipulation | 28430 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of talus fracture, with manipulation | 28436 |  |  |  |  |  |  |
| Open treatment of talus fracture, includes internal fixation when performed | 28445 |  |  |  |  |  |  |
| Treatment of tarsal bone fracture (except talus and calcaneus); without manipulation, each | 28450 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of tarsal bone fracture (except talus and calcaneus), with manipulation, each | 28456 |  |  |  |  |  |  |
| Open treatment of tarsal bone fracture (except talus and calcaneus), includes internal fixation when performed, each | 28465 |  |  |  |  |  |  |
| Closed treatment of metatarsal fracture; without manipulation, each | 28470 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of metatarsal fracture, with manipulation, each | 28476 |  |  |  |  |  |  |
| Open treatment of metatarsal fracture, includes internal fixation when performed, each | 28485 |  |  |  |  |  |  |
| Closed treatment of fracture great toe, phalanx, or phalanges; without manipulation | 28490 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of fracture great toe, phalanx, or phalanges, with manipulation | 28496 |  |  |  |  |  |  |
| Open treatment of fracture, great toe, phalanx, or phalanges, includes internal fixation when performed | 28505 |  |  |  |  |  |  |
| Closed treatment of fracture, phalanx, or phalanges, other than great toe; without manipulation, each | 28510 |  |  |  |  |  |  |
| Open treatment of fracture, phalanx, or phalanges, other than great toe, includes internal fixation when performed, each | 28525 |  |  |  |  |  |  |
| Closed treatment of sesamoid fracture | 28530 |  |  |  |  |  |  |
| Open treatment of sesamoid fracture, with or without internal fixation | 28531 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of tarsal bone dislocation, other than talotarsal, with manipulation | 28546 |  |  |  |  |  |  |
| Open treatment of tarsal bone dislocation, includes internal fixation when performed | 28555 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of talotarsal joint dislocation, with manipulation | 28576 |  |  |  |  |  |  |
| Open treatment of talotarsal joint dislocation, includes internal fixation when performed | 28585 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of tarsometatarsal joint dislocation, with manipulation | 28606 |  |  |  |  |  |  |
| Open treatment of tarsometatarsal joint dislocation, includes internal fixation when performed | 28615 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of metatarsophalangeal joint dislocation, with manipulation | 28636 |  |  |  |  |  |  |
| Open treatment of metatarsophalangeal joint dislocation, includes internal fixation when performed | 28645 |  |  |  |  |  |  |
| Percutaneous skeletal fixation of interphalangeal joint dislocation, with manipulation | 28666 |  |  |  |  |  |  |
| Open treatment of interphalangeal joint dislocation, includes internal fixation when performed | 28675 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Treatment of Nonunion Malunion** | | | | | | | |
| Osteotomy, clavicle, with or without internal fixation | 23480 |  |  |  |  |  |  |
| Osteotomy, clavicle, with or without internal fixation; with bone graft for nonunion or malunion (includes obtaining graft and/or necessary fixation) | 23485 |  |  |  |  |  |  |
| Osteotomy, humerus, with or without internal fixation | 24400 |  |  |  |  |  |  |
| Repair of nonunion or malunion, humerus; without graft (e.g., compression technique) | 24430 |  |  |  |  |  |  |
| Repair of nonunion or malunion, humerus; with iliac or other autograft (includes obtaining graft) | 24435 |  |  |  |  |  |  |
| Repair of nonunion or malunion, radius OR ulna; without graft (e.g., compression technique) | 25400 |  |  |  |  |  |  |
| Repair of nonunion or malunion, radius OR ulna; with autograft (includes obtaining graft) | 25405 |  |  |  |  |  |  |
| Repair of nonunion or malunion, radius AND ulna; without graft (e.g., compression technique) | 25415 |  |  |  |  |  |  |
| Repair of nonunion or malunion, radius AND ulna; with autograft (includes obtaining graft) | 25420 |  |  |  |  |  |  |
| Repair of defect with autograft; radius OR ulna | 25425 |  |  |  |  |  |  |
| Repair of defect with autograft; radius AND ulna | 25426 |  |  |  |  |  |  |
| Osteotomy, femoral neck (separate procedure) | 27161 |  |  |  |  |  |  |
| Osteotomy, intertrochanteric or subtrochanteric, including internal or external fixation and/or cast | 27165 |  |  |  |  |  |  |
| Bone graft, femoral head, neck, intertrochanteric or subtrochanteric area (includes obtaining bone graft) | 27170 |  |  |  |  |  |  |
| Osteotomy, femur, shaft, or supracondylar; with fixation | 27450 |  |  |  |  |  |  |
| Repair, nonunion or malunion, femur, distal to head and neck; without graft (e.g., compression technique) | 27470 |  |  |  |  |  |  |
| Repair, nonunion or malunion, femur, distal to head and neck; with iliac or otherautogenous bone graft (includes obtaining graft) | 27472 |  |  |  |  |  |  |
| Osteotomy; tibia | 27705 |  |  |  |  |  |  |
| Osteotomy; fibula | 27707 |  |  |  |  |  |  |
| Osteotomy; tibia and fibula | 27709 |  |  |  |  |  |  |
| Repair of nonunion or malunion, tibia; without graft, (e.g., compression technique) | 27720 |  |  |  |  |  |  |
| Repair of nonunion or malunion, tibia; with sliding graft | 27722 |  |  |  |  |  |  |
| Repair of nonunion or malunion, tibia; with iliac or other autograft (includes obtaining graft) | 27724 |  |  |  |  |  |  |
| Repair of nonunion or malunion, tibia; by synostosis, with fibula, any method | 27725 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **External Fixation** | | | | | | | |
| Application of a uniplane (pins or wires in one plane), unilateral, external fixation system | 20690 |  |  |  |  |  |  |
| Application of a multiplane (pins or wires in more than one plane), unilateral, external fixation system (e.g., Ilizarov, Monticelli type) | 20692 |  |  |  |  |  |  |
| Adjustment or revision of external fixation system requiring anesthesia (e.g., new pin[s] or wire[s] and/or new ring[s] or bar[s]) | 20693 |  |  |  |  |  |  |
| Application of multiplane (pins or wires in more than one plane), unilateral, external fixation with stereotactic computer-assisted adjustment (e.g., spatial frame), including imaging; initial and subsequent alignment(s), assessment(s), and computation(s) of adjustment schedule(s) | 20696 |  |  |  |  |  |  |
| Application of multiplane (pins or wires in more than one plane), unilateral, external fixation with stereotactic computer-assisted adjustment (e.g., spatial frame), including imaging; exchange (i.e., removal and replacement) of strut, each | 20697 |  |  |  |  |  |  |
| Application of multiplane (pins or wires in more than one plane), unilateral, external fixation with stereotactic computer-assisted adjustment (e.g., spatial frame), including imaging; initial and subsequent alignment(s), assessment(s), and computation(s) of adjustment schedule(s) | 20696 |  |  |  |  |  |  |
| Application of multiplane (pins or wires in more than one plane), unilateral, external fixation with stereotactic computer-assisted adjustment (e.g., spatial frame), including imaging; exchange (i.e., removal and replacement) of strut, each | 20697 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Debridement** | | | | | | | |
| Debridement, including removal of foreign material at the site of an open fracture and/or an open dislocation (e.g., excisional debridement); skin and subcutaneous tissues | 11010 |  |  |  |  |  |  |
| Debridement, including removal of foreign material at the site of an open fracture and/or an open dislocation (e.g., excisional debridement); skin, subcutaneous tissue, muscle fascia, and muscle | 11011 |  |  |  |  |  |  |
| Debridement, including removal of foreign material at the site of an open fracture and/or an open dislocation (e.g., excisional debridement); skin, subcutaneous tissue, muscle fascia, muscle, and bone | 11012 |  |  |  |  |  |  |
| Debridement; skin, partial thickness | 11040 |  |  |  |  |  |  |
| Debridement; skin, full thickness | 11041 |  |  |  |  |  |  |
| Debridement, subcutaneous tissue (includes epidermis and dermis if performed); first 20 sq cm or less | 11042 |  |  |  |  |  |  |
| Debridement, muscle and/or fascia (includes epidermis, dermis, and subcutaneous tissue if performed); first 20 sq cm or less | 11043 |  |  |  |  |  |  |
| Debridement, bone (includes epidermis, dermis, subcutaneous tissue, muscle and/or fascia if performed); first 20 sq cm or less | 11044 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Fasciotomy** | | | | | | | |
| Decompression fasciotomy, forearm and/or wrist, flexor, OR extensor compartment; without debridement of non-viable muscle and/or nerve | 25020 |  |  |  |  |  |  |
| Decompression fasciotomy, forearm and/or wrist, flexor, OR extensor compartment; with debridement of non-viable muscle and/or nerve | 25023 |  |  |  |  |  |  |
| Decompression fasciotomy, forearm and/or wrist, flexor, AND extensor compartment; without debridement of non-viable muscle and/or nerve | 25024 |  |  |  |  |  |  |
| Decompression fasciotomy, forearm and/or wrist, flexor, AND extensor compartment; with debridement of non-viable muscle and/or nerve | 25025 |  |  |  |  |  |  |
| Decompression fasciotomy, leg; anterior and/or lateral compartments only | 27600 |  |  |  |  |  |  |
| Decompression fasciotomy, leg; posterior compartment(s) only | 27601 |  |  |  |  |  |  |
| Decompression fasciotomy, leg; anterior and/or lateral, and posterior compartment(s) | 27602 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Intra articular Distal Humerus Fracture** | | | | | | | |
| Open treatment of humeral supracondylar or transcondylar fracture, includes internal fixation when performed; with intercondylar extension | 24546 |  |  |  |  |  |  |
| **Pelvic Ring** | | | | | | | |
| Percutaneous skeletal fixation of posterior pelvic bone fracture and/or dislocation, for fracture patterns that disrupt the pelvic ring, unilateral (includes ipsilateral ilium, sacroiliac joint, and/or sacrum) | 27216 |  |  |  |  |  |  |
| Open treatment of anterior pelvic bone fracture and/or dislocation for fracture patter that disrupt the pelvic ring, unilateral, includes internal fixation when performed (includes pubic symphysis and/or ipsilateral superior/inferior rami) | 27217 |  |  |  |  |  |  |
| Open treatment of posterior pelvic bone fracture and/or dislocation, for fracture patterns that disrupt the pelvic ring, unilateral, includes internal fixation, when performed (includes ipsilateral ilium, sacroiliac joint and/or sacrum) | 27218 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Acetabulum** | | | | | | | |
| Open treatment of posterior or anterior acetabular wall fracture, with internal fixation | 27226 |  |  |  |  |  |  |
| Open treatment of acetabular fracture(s) involving anterior or posterior (one) column or a fracture running transversely across the acetabulum, with internal fixation | 27227 |  |  |  |  |  |  |
| Open treatment of acetabular fracture(s) involving anterior and posterior (two) columns, includes T-fracture and both column fracture with complete articular detachment, or single column or transverse fracture with associated acetabular wall fracture, with internal fixation | 27228 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| **Bicondylar Tibial Plateau** | | | | | | | |
| Open treatment of tibial fracture, proximal (plateau); bicondylar, with or without internal fixation | 27536 |  |  |  |  |  |  |
| **Pilon/Plafond** | | | | | | | |
| Open treatment of fracture of weight bearing articular surface/portion of distal tibia (e.g., pilon or tibial plafond), with internal fixation when performed; of fibula only | 27826 |  |  |  |  |  |  |
| Open treatment of fracture of weight bearing articular surface/portion of distal tibia (e.g., pilon or tibial plafond), with internal fixation when performed; of tibia only | 27827 |  |  |  |  |  |  |
| Open treatment of fracture of weight bearing articular surface/portion of distal tibia (e.g., pilon or tibial plafond), with internal fixation when performed; of both tibia and fibula | 27828 |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |

**Affiliation with an Orthopaedic Residency**

For those programs that are sponsored by an institution that also sponsors an orthopaedic surgery residency program, attach a copy of the agreement **signed by the program directors of both the fellowship and the residency** describing: [PRs 1.2.a.]

1. how the fellowship and residency programs will interact;
2. the roles of the fellowship and residency program directors in determining the educational program of the fellows and residents;
3. the roles of fellows and residents in patient care;
4. how clinical and educational resources will be shared equitably; and,
5. how the fellowship is expected to enhance the education of residents.