

## Football Injury Part 3

### PART III

Suddenly, Gavin feels severe pain and numbness and has a decreased range of motion in his left arm. His mother immediately calls the Dr. Robertson. It is recommended that Gavin increase ice and elevation. The next day, Gavin says pain is unbearable and is getting little relief. Gavin's mother takes him to the emergency room, due to extreme swelling of his hand and forearm (Appendix B).

When Gavin arrives at the emergency room, his arm is swollen and his fingers are cool and purple. It is determined that there was a complication in the resetting of the fracture and he has developed acute compartment syndrome. Surgery is required immediately.

#### Part III Questions

1. If you were the professional responsible for explaining what happened to Gavin's mother, how would you describe compartment syndrome?
2. What are the connective tissue wrappings? Why are they important?
3. Describe the pressure build up that Gavin was experiencing, what likely caused the pressure?
4. Fill in the following table about the muscles affected in the anterior compartment of the forearm.

Muscle	Origin	Insertion	Primary action (s)
Flexor carpi radialis			
Flexor carpi ulnaris			
Flexor digitorum sublimis			
Extensor radialis longus/brevis			
Extensor digitorum			
Brachioradialis			