Indian Journal of Basic and Applied Medical Research; December 2015: Vol.-5, Issue- 1, P. 789-791

**Original article:**

**Study of various patterns of knee ligament injuries**

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**Abstract:**

**Introduction:** The multiple ligament-injured knee is a complex problem in orthopedic surgery.1 The knee is one of the most frequently injured joints because of its anatomical structure, its exposure to external forces and the functional demands placed on it.

**Materials and methods:** It was Prospective study conducted at Dr. D. Y. Patil Medical College, Hospital & Research Centre Pimpri during April2012 to September 2014

**Results:** The youngest patient in our study was 17 years old and the oldest being 58 years old. In our study, majority of the patients are found to be between the age group of 16-30 years. The least number of cases are found in the age group of >40 years. The average age was 34.6 years.

**Conclusion:** Each ligament of the knee has separate diagnostic clinical tests which have high sensitivity and specificity. But when one encounters a knee with combination of multiple ligament injury the sensitivity and specificity decreases for each test. This shows that in cases of multiple ligament injury of knee there is a need to investigate further and confirms the diagnosis.

**Keywords:** Knee ligaments, orthopedic surgery