











FUNCTION

Makhani - J Int Coll Surg - 1962
 ATFL and CFL ligament play significant roles in different ankle positions
 ATFL prime stabilizer in PF
 CFL prime stabilizer in DF

























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RICE APPROACH

Rest--You may need to rest your ankle, either completely or partly, depending on how serious your sprain is. Use crutches for as long as it hurts you to stand on your foot.
 Ide--Using ice packs, ice slubh hads or ice massages can decrease the swelling, pain, bruising and muscle spasms. Keep using ice for up to 3 days after the injury.
 Compression--Wrapping your ankle may be the best way to avoid swelling and bruising.You'll probably need to keep your ankle wrapped for I or 2 days after the linjury and perhaps for up to a week or more.
 Elevation-Raising your ankle to or above the level of your heart will help prevent the swelling from getting worse and will help reduce bruising.Try to keep your ankle elevated for about 2 to 3 hours a day if possible.

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CHRONIC ANKLE INSTABILITY

• Functional – Freeman JBJS 1965

- Subjective feeling of giving way, usually during physical exercise
- Motion beyond voluntary control, however, not beyond physiologic limits

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- Same principles as acute injury
 Stress proprioception, muscle training
- Stress proprioception, muscle tra
 Peroneal strengthening
- Bracing, etc.

CHRONIC ANKLE INSTABILITY

Mechanical Instability

- Motion beyond physiologic range
 Demonstrated by anterior drawer and talar tilt
- Incompetence of lateral ligaments
- No true correlation exists between mechanical and functional instability
 Tropp -1985





CHRONIC ANKLE INSTABILITY SURGICAL OPTIONS

Goal: Restore functional and mechanical stability
 General categories

 Anatomic
 Augmented

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- Ulku et all reported outcomes of 61 patients
 – 31 treated with arthroscopic Broström repair had been augmented with suture tape
 – Torer was no significant difference in postoperative Foot and Ankle Outcome Score
 Arecent comparative work on 83 patients
 – 22 managed with internal brace
 – 63 without internal brace
 – followed up for 6 months after a modified arthroscopic Broström procedure
 – showed that patients in the internalbrace group were able to quickly return sports ad
- showed this periods in the internalizate group were able to quickly return sports activity, with a statistically differences as 6 weeks from surgery but ho differences as 6 weeks from surgery but ho
 Yoo [S Yang F C Linical results of an arthroscopic modified Broström operation with and without an internal brace. J Orthop Troumatol. 2016;17(4):353-360.

CONCLUSIONS

- Use the anatomy to guide your exam and diagnosis
 Look for associated injuries and pathology

 Cavus Foot type and Generalized Ligamentous Laxity

- MRI for lack of improvement after 6-8 weeks
 RICE + rehab for acute injuries
 Consider Brostrom for failed conservative management

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