

Objective:

Posttraumatic ankylosis of the TMJ can be caused by many different pathogenic mechanisms. Prosthetic alloplastic grafts and autogenous grafts are the options for surgical treatment.

Methods:

Seven patients were examined clinically and radiologically. Autogenous interpositioners were used for treatment of TMJ ankylosis.

Results:

No major complications were seen after surgery. Interincisal distances have significantly widened following mouth opening exercises for one year.

Conclusions:

Human skulls have many structure and shape differences, so it is difficult to replace a jaw joint successfully with an artificial one. Using autogenous tissues seems an appropriate choice for treatment.

Keywords: Ankylosis, TMJ, trauma