

Event Summary

AF0112

Title: Temporomandibular joint physiology

Dates: Unknown-1958

Lead Sponsor: USAF School of Aviation Medicine

Investigators: Leslie R. Allen.

Location of Records: National Personnel Records Center

Type of Records: Approval
Intermediate Report of Findings
Final Report of Findings

Subject Characteristics: Active Duty Military
Aviators
Dental Patients

Facilities Where Event Took Place: USAF School of Aviation Medicine, Randolph AFB, TX

Abstract: From a presently undetermined date until April 1958, researchers from the School of Aviation Medicine, Randolph AFB, Texas studied temporomandibular joint physiology. This project was a Subtask of a larger study investigating new methods of dental diagnosis, which began in March 1952. This larger investigation focussed on the need to improve the dental health of Air Force personnel and in particular the methods of dental diagnosis (i.e., more sophisticated and effective roentgenography, tomography, and panography), which were considered outmoded. The purpose of the Subtask was to develop satisfactory methods of temporomandibular joint x-ray and develop a radiographic procedure that would permit serial radiographs to be made while the patient was in a postural upright position. To date no information is available on the number of participants. The technique developed during this Subtask incorporated a cephalometer that enabled accurate serial radiographs as treatment progressed. The cephalometric instrument was forecasted for use in other studies of the temporomandibular joint.