

<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8745910>

Here only prediction is done. In this paper, we also proposed different machine learning techniques and diagnosis for the prevention of thyroid. Machine Learning Algorithms, support vector machine (SVM), K-NN, Decision Trees were used to predict the estimated risk on a patient's chance of obtaining thyroid disease.

<https://turcomat.org/index.php/turkbilmat/article/download/10292/7764/18330>

The dataset used in this study is called "Thyroid Disease Dataset". The dataset is in a CSV file format and contains 23 columns.

The SVM is used to predict the approximate probability of a thyroid patient. If the patient has risk of getting thyroid our system has to give suggestions like recommending home remedies, precautions, medication etc.

<https://www.sciencedirect.com/science/article/pii/S1877050921015945>

The main findings of the study on Thyroid Disease Treatment prediction with machine learning approaches include the proposal of an approach based on machine learning techniques to predict if a patient's treatment needs to be increased, decreased, or remain unchanged.

#### Thyroid Disease Treatment prediction with machine learning approaches

Lerina Aversano<sup>a,\*</sup>, Mario Luca Bernardi<sup>a</sup>, Marta Cimitile<sup>b</sup>, Martina Iammarino<sup>a</sup>, Paolo Emidio Macchia<sup>c</sup>, Immacolata Cristina Nettore<sup>c</sup>, Chiara Verdone<sup>a</sup>

To conduct this study we built a dataset from patients with thyroid disease being treated at the "AOU Federico II" Naples hospital. This dataset is obtained as the integration of two data sources containing information related to 800 patients.

The first data source collects personal information, family history, physical characteristics, and some clinical information for each patient. The second data source contains information about the patient's current state.

