



An Ectopic Pacemaker Caused By Deficiency Of Sugar.

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ABSTRACT

A 58 year old person reported to our institution as he was feeling uneasiness. We checked him and we recorded his ECG. We asked him to take rest and after About half an hour he started feeling well without giving drugs or medicine. After about eight days he was having same trouble. Intermittantly he use to suffer From such disease. He was kept under observation and his blood constituents are measured. It is found that the person is having relatively low blood sugar. We create deficiency of sugar and his ECG was recorded. We gave 25gms of sugar and record the ECG continuously. To our surprise very soon he got recovered. It is found that ECG of the person becomes normal within one minute after giving sugar.

Keywords :

Introduction

Various types of ectopic pacemakers and arrhythmia have been investigated in detail by the researcher in the field (1- 3). It is mentioned in the literature that ectopic pacemaker is caused because of 1) deficiency of nutrients 2) excess accumulation of carbon dioxide and 3) lack of oxygen. We investigate the present case in details. A 58 year old person was feeling uneasiness and he reported to our institution. His ECG is recorded and found that he is suffering from Ectopic pacemaker. We asked him to take rest and after about half an hour he started feeling well. It is also true that no medicine was given to him. After eight days he had same trouble. He told that he has such trouble since long. The person was kept under observation and found that the deficiency of sugar gave rise to the Ectopic pacemaker. When sugar was given to the person he becomes normal and ECG also becomes normal within one minute after giving sugar.

Case Report

A 58 year old person presented with some uneasiness, dizziness, giddiness and weakness. We record the ECG and found that he was suffering from an ectopic pacemaker. We asked him to take rest and after some time he started feeling well and it was not necessary to give medicines. After about 8 days he was having same trouble and

Figure 1

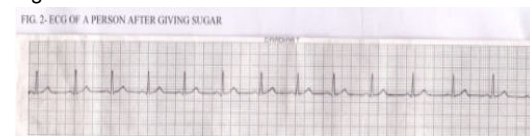


the trouble was automatically recovered in about half an hour. After few days the frequency of trouble increased and person suffered from same trouble after every two days. We kept the person under intensive care and observation and we recorded his blood profile. It was found that the sugar level is low in his blood. Then we started an experiment in which we created artificial deficiency of sugar in the body of person and recorded ECG which is shown in figure (1). Then we gave 25gms of sugar to the person and record the ECG continuously. It is found that ECG becomes normal within one minute and the person got relief. The ECG is shown in figure (2).

Result & Discussion:

We kept the person under observation and continuously record the ECG. In the beginning the things were random. Sometimes the person use to feel uneasy at about 4pm, Sometimes he used to feel uneasy at 11am, Sometimes he used to feel uneasy at 8 am. The phenomenon recorded was random. Then it was decided to measure the blood profile. When sugar level of the person was measured, it is found that sugar level is relatively low in the blood. After doing few more experiments, it was concluded that, whenever there is deficiency of sugar the person suffers from ectopic pacemaker. We create artificial deficiency of sugar in the person and recorded ECG. It is found that the ECG becomes normal within one minute after giving sugar.

Figure 2



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