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**A 30 YEAR- OLD YOUNG MAN PRESENTING OCCIPITAL
CONTRECOUPLESION DUE TO FRONTAL TRAUMA**

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ABSTRACT

Contrecoupcoupsion injury of the brain is often in the opposite place of coup hit and often occurs with deceleration mechanism and possibly hitting the forehead never causes contrecoupcoupsion injury in the head due to the skull structure, but the opposite action could be happened.

A 30-year-old young man from Turkmen race suffered a scratch on the upper right side of the forehead and a concussion less than five minutes after a frontal trauma. After a forehead trauma, there were not any falls and hits in the back or the other areas of the head. In the brain CT scanning only occipital lobe contusion was seen.

It seems that a forehead trauma can lead to the occipital lobe contrecoupcoupsion and it is not necessarily needed recurring scenario of falling for contrecoupcoupsion injury.

Keywords: Contrecoupcoupsion-Frontal-Occipital- Trauma

INTRODUCTION

Coupsion injury has been defined as a brain contusion beneath the location where the head is hit and often it happened due to an object hits the fixed or moving head. The brain contusion contrecoupcoupsion injury is often at the front place of a coup hit and often occurs with a deceleration mechanism and a moving head by hitting to a surface with a more level of forces in a coup will be stopped suddenly [1, 2, 3, 4 and 5]. Of course, its cause and the exact mechanism are unknown. Typically, this scenario can be seen for the moving head from the occipital district to the ground and its contrecoupcoupsion lesion will be formed in the frontal lobe, but the opposite state will never occur due to the structure of skull (contrecoupcoupsion in the occipital and

coup in the frontal)[2 and 5].Turkmens are basically a mongoloid race and have brachycephalic skull structure [6].

CASE PRESENTATION

A 30-year-old young Turkmen man suffered from concussion and reduce of temporary alertness level (less than five minutes) following with a hit of a wooden bar to the right side of his forehead frontal upper surface. Effects like scrapes and bruises were not found on the other districts of the head. By CT scanning of the head only the occipital lobe contusion was observed [Figure 1 , 2]. Finally,he was being discharged with a good general condition.

CONCLUSION

It seems that the frontal trauma can lead to damage to the contrecoup in occipital lobe and for damaging contrecoup do not necessarily need to create recurring scenario of falling and in this case there are factors involved in the creation of occipital concussion such as the specific structure of the skull in the Turkmen race (mongoloid type),which have mostly the brachycephalic skull type, also being young and the supportive muscle mass in the neck and the whole body that resistance against a sudden hit- inducing fall.However, having more researches in this field seems essential.

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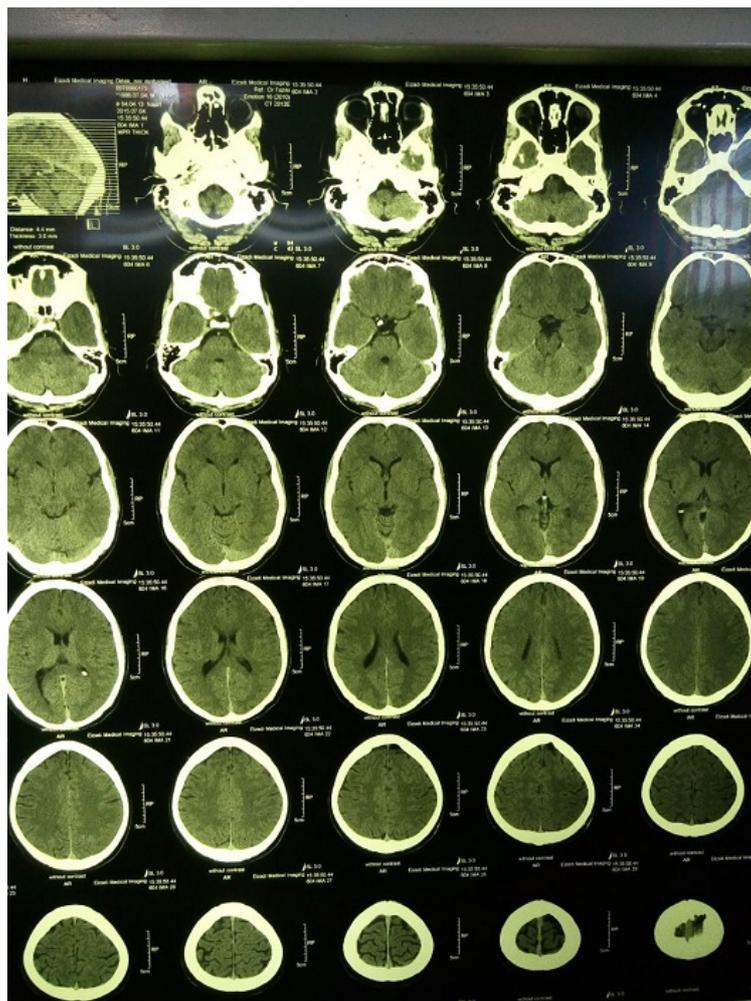
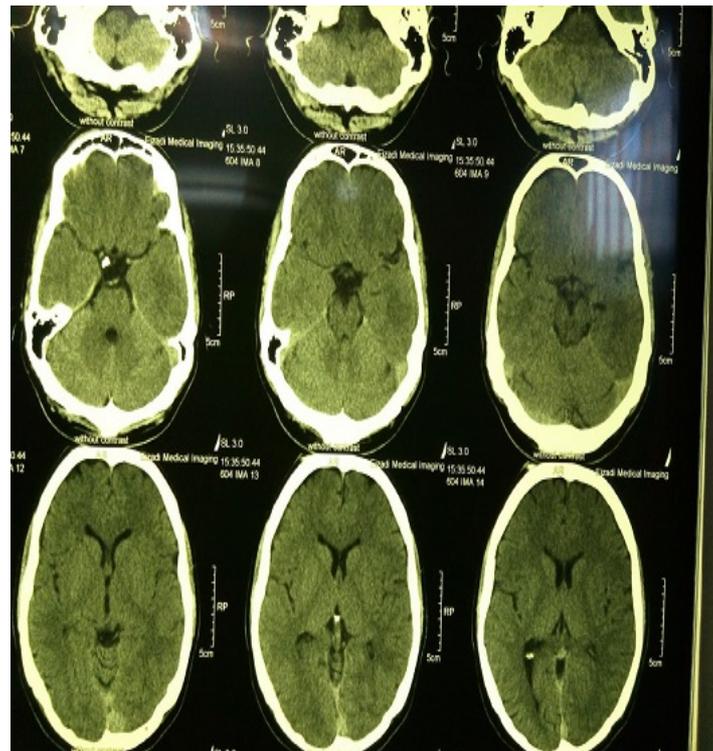


Figure 1-2: CT scanning of the head