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## HAIR TOURNIQUET SYNDROME

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## ABSTRACT

Hair Tourniquet syndrome is disorder. Although а rare most cases are consider to be accidental. In this syndrome hair or thread tightly wrapped around toe (most commonly) and occasionaly finger, genital or other parts of body. [1]This will compromise the blood flow of the involved appendage leading to its ischemic injury. Mechanism involved in this syndrome is belived to involve wet hair become wrapped around a body part and then tightening as it dries.[1] Circumferential digital strangulation leads to impairment in lymphatic and venous drainage causing distal edema. Left untreated, leads to arterial occlusion and ischemic injury. [5] Prolonged ischemia leads to tissue Of Hair necrosis and ultimately auto-amputation. So immediate diagnosis condition Tourniquet Syndrome and treatment of the is verv important. Immediate hair or thread removal can save the finger of child.

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### **INTRODUCTION**

Hair Tourniquet syndrome is a rare disorder. Although most cases are consider to be accidental. In this syndrome hair or thread tightly wrapped around toe (most commonly) and occasionalyfinger, genital or other parts of body.<sup>[1]</sup>This will compromise the blood flow of the involved appendage leading to its ischemic injury. This will leads to pain and swelling of the affected part.<sup>[1]</sup> Hence early recognition and urgent intervention are needed for salvaging the involved digit. Timely removal of hair strand can prevent further establishment of gangrene that could have lead to auto-amputation. In this article, we report a rare case of hair tourniquet syndrome in a 1.5 month old baby boy.

#### **Case Report**

### A 1.5 month old male child presented to M.M.I.M.S.R.

Hospital, Mullana, Haryana with complain of swelling and redness in left thumb since last 1 day.There are no other symptoms on presentation. There was no history of similar problems. No history of injury or insect bite over thumb. On local examination, redness, swelling and tenderness present over left thumb. There is a constriction band present atinterphalangeal joint of left thumb [Figure.1]. On further examination we found some hair matterial tightly wrapped around left thumb in constriction ring. Other fingers are normal. Perepheral pulses were normal. Systemic examination shows normal findings.

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Figure 1

Immediately hair was removed [Figure 2] with fine forcep.After removal of hair, gradually within 48 hrs. swelling and redness reduce.[Figure 3]



[Figure 2] [Figure 3]

#### DISCUSSION

Hair tourniquet syndrome is a rare disorder. Hair tourniquet syndrome described as involving the fingers , toes and even genitals.<sup>[2,3]</sup>Majority cases of HT syndrome have been reported

in infants less than 2 months of age.<sup>[4]</sup>Most cases occurresaccidentaly<sup>[1]</sup>Mechanism involved inthis syndrome is belived to involve wet hair become wrapped around a body part and then tightening as it dries.<sup>[1]</sup>Circumferential digital strangulation leads to impairment in lymphatic and venous drainage causing distal edema. Left untreated, leads to arterial occlusion and ischemic injury.<sup>[5]</sup>Prolonged ischemia leads to tissue necrosis and ultimately autoamputation. So immediate diagnosis and treatment of condition is very important. Immediate hair or thread removal can save the finger of child. It can usually be removed by direct inspection. Surgical exploration is mandatory if doubt persists as to the completeness of removal, especially as the hair cuts through the skin and becomes invisible.<sup>[2,5]</sup>

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