

## ***Algodystrophy Syndrome Complicated by Constricting Ring at the Proximal Border of the Edema***

A 43-old female complained of severe pain, edema and stiffness in the left hand and wrist. [Figure \(1\)](#). One year before, she suffered of pain, numbness in the three lateral fingers of her left hand. 15 days later and in the absence of any treatment, the pain became intolerable and an edema began in the hand and the distal half of the forearm associated with stiffness of wrist and fingers.

The most recent x-ray revealed a positive ulno-radial index, ulno-lunar conflict, and local osteoporosis. [Figure \(2\)](#). The diagnosis of algodystrophy syndrome was put and an appropriate treatment had been initiated.

Five months later, both the patient and I were satisfied of the outcome; edema and pain disappeared, useful active motion in the wrist and little joints of the hand noticeably appeared. But suddenly, after some forced seances of physiotherapy, sever pain and edema reoccurred. This new event had been marked by the presence of a constricting cutaneous ring at the proximal border of the edema. [Figure \(3\)](#).

The anterior three quarters of the constricting cutaneous ring has been resected, and two Z plasties at each end of the incision have been made. Of the per-operative remarks, the complete absence of the subcutaneous tissue and the fibrosis of the superficial veins under the resected skin; [Figure \(4\)](#). The outcome was quite good. The patient regained the comfort and motion in her hand and wrist; [Figure \(5\)](#).

But the questions that still need answers are: What was the origin of this constricting cutaneous ring? what was its role in the pathology?



[Figure \(1\)](#)  
[Pre- Operative View](#)  
[Algodystrophy of Left Hand](#)

Severe edema of the hand and distal half of the forearm.  
[Notice](#) the upper border of the edema.



Figure (2)  
Pre- Operative X- Ray  
Left Wrist

*Notice the positive ulno-radial index, the radiological signs of ulno-lunar conflict, and the local osteoporosis.*



Figure (3- a)



Figure (3- b)

Figure (3)  
Pre- Operative Views  
Left Forearm

*The proximal border of the edema looks like a constricting ring.*

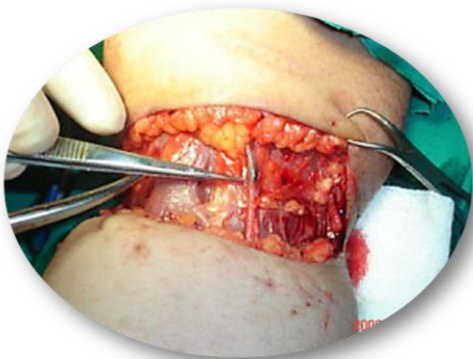


Figure (4- a)



Figure (4- b)

Figure (4)  
Per- Operative Views  
Left Forearm

Figure (4- a): At the level of the Constricting ring, the superficial veins were thrombosed and the subcutaneous tissue was completely vanished.  
Figure (4- b): Tow Z plasties at each end of the incision.



Figure (5- a)
















Figure (5- b)

















Figure (5)  
Post- Operative Views  
Left Upper Limb

**The kinetic & aesthetic gains in the 105<sup>th</sup> postoperative day**

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*In another context, one can also read:*

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-  [Neural Conduction, Action Pressure Waves \(Innovated\)](#)
-  [Neural Conduction, Action Potentials \(Innovated\)](#)
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-  [Nodes of Ranvier, the Equalizers \(Innovated\)](#)
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-  [\*Nodes of Ranvier, Third Function \(Innovated\)\*](#)
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-  [\*Hyperreflexia, Bilateral Responses\*](#)
-  [\*Hyperreflexia, Multiple Responses\*](#)
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-  [\*Barr Body, the Whole Story \(Innovated\)\*](#)
-  [\*Boy or Girl, Mother Decides!\*](#)
-  [\*Adam's Rib and Adam's Apple, Two Faces of one Sin\*](#)
-  [\*The Black Hole is a \(the\) Falling Star?\*](#)
-  [\*Adam's Rib, could be the Original Sin?\*](#)
-  [\*Pronator Teres Syndrome, Struthers Like Ligament \(Innovated\)\*](#)
-  [\*Function of Standard Action Potentials & Currents\*](#)
-  [\*Posterior Interosseous Nerve Syndrome\*](#)
-  [\*Spinal Reflex, New Hypothesis of Physiology\*](#)
-  [\*Hyperreflexia, Innovated Pathophysiology\*](#)
-  [\*Clonus, 1<sup>st</sup> Hypothesis of Pathophysiology\*](#)
-  [\*Clonus, 2<sup>nd</sup> Hypothesis of Pathophysiology\*](#)
-  [\*Clonus, Two Hypotheses of Pathophysiology\*](#)
-  [\*Hyperreflexia \(1\), Pathophysiology of Hyperactivity\*](#)
-  [\*Hyperreflexia \(2\), Pathophysiology of bilateral Responses\*](#)
-  [\*Hyperreflexia \(3\), Pathophysiology of Extended Hyperreflex\*](#)
-  [\*Hyperreflexia \(4\), Pathophysiology of Multi-Response Hyperreflex\*](#)
-  [\*Barr Body, the Second Look\*](#)
-  [\*Mitosis in Animal Cell\*](#)



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