MINIMALLY INVASIVE SURGERY FOR CARPEL TUNNEL SYNDROME

A new cost-effective method, using Urology instruments

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• Entrapment idiopathic median neuropathy

• Median nerve compression in the carpal tunnel at the wrist
CAUSES

• Typing
• Genetic
• Sewing
• Vibratory tools
Symptoms

- Numbness
- Weakness
- Pain
- Depression

Median nerve is compressed at the wrist, resulting in numbness or pain.
Signs

- Weak hand grip
- Tinel’s sign: Tapping over the median nerve in the wrist causes shooting pain
- Phalen’s test: Bending forward for 1 minute causes numbness
Investigations

- Nerve conduction studies
- Electromyography
- Wrist X rays
Treatment – Conservative

- Steroid injections
- Ultrasound therapy
- Special devices
- Medication {NSAID}
Surgical treatment

- Open surgical release

- Newer endoscopic surgical procedures with special equipment
The innovation
The innovation

- Using Internal urethrotomy instruments

- Haegars dilator was used to initial dilation and air was used from the insufflator
The conclusion

• Minimally invasive procedure

• Uses less expensive Urology equipment [which is primarily used for other surgeries]