



CIAP Newsletter

Upcoming: Mental Health Point of Care Resources Workshop
When: 21st January 2025 08:30AM - 12:30PM
Where: ONLINE

Register

Program

New Micromedex Mobile App: Download Via the CIAP Mobile Apps Page



The new Micromedex mobile app delivers more efficient access to Micromedex content, including Drug Reference, Drug Interactions, IV Compatibility, calculators, and the Micromedex Assistant.

The new app includes:

- **Unified Access:** Access to all essential drug information from a single, comprehensive app
- **Improved Navigation:** Intuitive user-friendly interface for easy access to information
- **Ease of maintenance:** Automated updates so clinicians can stay focused on workflow

Download the new Micromedex mobile app via the [CIAP Mobile Apps page](#).

See the [Micromedex App Guide](#) for further download and setup information.

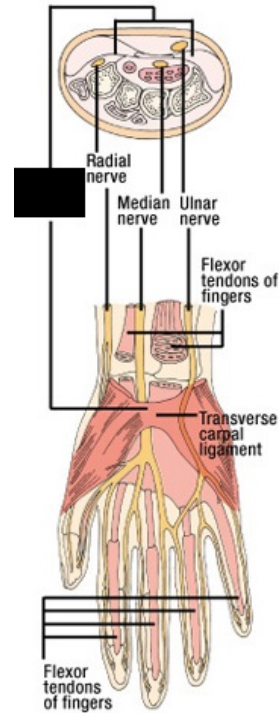
What Is the Diagnosis?

This condition involves sustained compression of the median nerve in the wrist that causes characteristic signs and symptoms. It is the most common nerve entrapment syndrome; initially affecting sensory fibres, followed by motor fibres and possibly autonomic nerve fibres.

This condition may affect one wrist or occur bilaterally. Symptoms usually start gradually and increase in severity and may pose a serious occupational health problem.

History includes:

- Symptoms that start gradually and increase in severity
- Occupation or hobby requiring strenuous or repetitive use of the hands
- Weakness, clumsiness, pain, burning, numbness, or tingling that occurs in one or both hands, palms, thumbs and index fingers but not in the little fingers
- Paraesthesia that worsens at night and in the morning
- Pain that spreads to the forearm and, in severe cases, as far as the shoulder
- Pain that can be relieved by: shaking hands vigorously; dangling the arms at the sides



What's the diagnosis?

[Find out the answer here](#) in Lippincott Advisor.

Access provided by CIAP.

Take a Closer Look with Access Medicine's Collection of Infographics



Access Medicine offers various study tools including:

- [Infographics](#)
- [Flashcards](#)
- [Interactive modules](#)
- [Review questions](#)
- [Cases](#)
- and more

See the Infographic Guide to Medicine's collection of infographics covering a range of clinical areas. Download or print as a PDF to promote your topic of interest.

[See more](#) in Access Medicine.

Access provided by CIAP.

Carpal Tunnel Syndrome

Background

Entrapment of median nerve in carpal tunnel at wrist

Predisposing Factors:

- Wrist overuse
- Obesity
- Pregnancy
- Arthritis
- Endocrinopathy (hypothyroidism, acromegaly, diabetes)

Clinical Features

- Hand pain and paresthesias worse at night
- Prick sensation in median nerve distribution
- Weakness of thumb abduction and thumb opposition
- Thenar atrophy if long-standing disease
- Positive Tinel sign and Phalen sign (modest sensitivity and specificity)

Tinel

Pain/paresthesias in median nerve distribution upon:

- Percussion over median nerve (Tinel sign)
- 1-minute sustained wrist flexion (Phalen sign)

Median Nerve

Sensory Distribution

Sensation over palmar surface of thenar eminence is spared in CTS as palmar cutaneous branch does not pass through carpal tunnel!

Motor Deficit: Abductor pollicis brevis and opponens pollicis → impaired thumb abduction and opposition

Diagnosis

Clinical Diagnosis

Can confirm with EMG/NCS (slow median nerve conduction across wrist)

Treatment

- Splint wrist in neutral position
- NSAIDs for pain
- Corticosteroid injections into carpal tunnel (for severe pain)
- Surgical release of carpal tunnel (for severe or refractory cases)

With the rapid development of technology, artificial intelligence (AI) has become a major research focus in healthcare and nursing. Among the various AI innovations, generative AI using large language models (LLMs) is currently one of the most promising tools in these fields and offers significant opportunities to enhance healthcare and nursing practices through advances in deep learning and data science.

Generative AI, including ChatGPT, is a double-edged sword. While it has the potential to transform nursing research, education and practice, its limitations and risks such as biases in generated content and potential inaccuracies must be critically examined.

Read more of this review in [The Journal of Advanced Nursing](#).

Access provided by CIAP.

Identifying the Needs of Paediatric-Friendly Care in the Emergency Department



The emergency department often overwhelms children with its excessive noise, intense lighting and busy atmosphere, resulting in sensory overload. The environments consist of unpredictable conditions, unfamiliar medical procedures and long wait times, reducing medical compliance. This study suggests that paediatric emergency nurses should prioritise compassion and deliver specialised, child-friendly care to foster strong nurse–patient and family relationships quickly.

In the challenging emergency department environment, visual and auditory stimuli, such as kaleidoscopes, music and virtual reality, have been used to divert children's and adolescents' attention during medical procedures, minimising negative experiences. However, the noisy environment, varying stress tolerance levels in children and age can influence the effectiveness of attention diversion.

Read more of this study in [The Journal of Clinical Nursing](#).

Access provided by CIAP.

Intact Fish Skin Graft to Treat Deep Diabetic Foot Ulcers



Standard care for diabetic foot ulcers consists of vascular assessment, surgical debridement, use of appropriate dressings for maintenance of a moist wound environment, exudate management, active off-loading, infection treatment, and glycaemic control. Healing outcomes with standard care are generally poor: in a review of 26 randomised controlled trials evaluating diabetic foot ulcer healing rates, among patients in the control groups (receiving standard of care) only 30% were healed by 12 weeks and only 45% healed at any time.

Current treatment modalities are often ineffective, with 23 to 70% of diabetic foot ulcers remaining unhealed after 1 year of treatment and patients with deep ulcers involving tendon, joint capsule, and bone demonstrating healing rates consistently less than 40%. Effective treatment for diabetic foot ulcers remains an unmet medical need, especially for diabetic foot ulcers where deep structures are exposed.

Intact fish skin graft is a medical device sourced from Atlantic cod. The intact fish skin graft is decellularized, lyophilised, and supplied as a sterile, intact or meshed sheet.

Learn more in [The New England Journal of Medicine Evidence](#).

Access provided by CIAP.

Upcoming CIAP Events

**Mental Health Point of Care
Resources Workshop**

21st January 2025
08:30AM-12:30PM
Virtual (Microsoft Teams)

**See all upcoming CIAP Workshops
on the CIAP Training Events Page**

[Register](#)

[Upcoming Workshops](#)

Need help with CIAP?
Contact the CIAP helpdesk 24 hours, 7 days a week.
1300 28 55 33 or visit the CIAP Support page.

[LinkedIn](#)
[| Twitter](#)



eHealth NSW

Copyright © 2024 eHealth NSW
All rights reserved.

This email was sent by CIAP Team, eHealth NSW - CC 652950, Tower B, Level 13,
Zenith Centre, 821 Pacific Highway, Chatswood, NEW SOUTH WALES 2067,
Australia to

[Unsubscribe](#)