Damage to biological tissue causes nociceptive pain, which is a type of pain. Sharp, agonising, or throbbing pain is a common symptom of nociceptive pain. External injuries, such as stubbing your toe, sports injuries, or dental procedures, are common causes. e musculoskeletal system, which comprises the joints, muscles, skin, tendons, and bone, is a common source of nociceptive discomfort. Nociceptive discomfort, whether chronic (long-term) or acute (short-term), can disrupt your daily routine and make it di cult to move, resulting in mobility concerns [1].

One of the two basic types of pain is nociceptive pain. e other form is neuropathic pain, which is brought on by nerve injury.

When nociceptors detect something that could injure the body, nociceptive pain occurs. a chemical, a hot or cold temperature, or a physical force, for example. Nociceptors detect damage to the body's skin, muscles, bones, and connective tissue [2].

## What is the source of nociceptive pain?

e following are some examples of injuries that might generate nociceptive pain:

- x Bruises
- x Burns
- x Cuts
- x Broken or fractured bones
- Pain from overuse of muscles or repetitive motions
- x Joint injury, such as arthritis or sprains, causes pain [3].

An internal condition, such as cancer or a tumour, might also cause it.

ere are two types of pain: nociceptive and neuropathic

Nociceptive pain di ers from neuropathic pain in that it is triggered by a speci c stimulus to the body, whereas neuropathic pain is not [4]. Neuropathic pain is a type of pain caused by nerve or nervous system dysfunction. It causes numbness and tingling, as well as shooting and scorching pain. Even if the limb in question isn't present, people can experience neuropathic pain. is is exemplied by phantom limb syndrome.

Many di erent conditions can induce neuropathic pain, including:

- x Alcoholism
- x Diabetes
- x AIDS or HIV
- x Multiple sclerosis is number four.
- x Problems with the spine's joints

Chemotherapy might potentially cause it as a side e ect [5].

e higher the score, the higher the level of neuropathic pain anCon ict of Interest individual is likely to be experiencing.

## None

People with diabetes are advised to watch for symptoms of neuropathic pain, particularly in the feet. Neuropathy in the lower Acknowledgement limbs is very common in people with diabetes and is a leading cause None of amputation. References

Neuropathic pain in people with diabetes o en begins with, numbness, weakness, or burning in the toes. is pain can also get 365(6454): 641-642. worse at night and make it di cult to sleep [8].

## Location of pain

e most common areas for people to experience nociceptive pain are in the musculoskeletal system, which includes the joints, muscles, Woolf CJ, Ma Q (2007) Nociceptors-noxious stimulus detectors. Neuron 55(3): skin, tendons, and bone.

Internal organs, such as the intestines, lungs, and heart, can also be referred from deep somatic tissues. J Bone Joint Surg A 39: 981. subject to nociceptive pain, along with the smooth muscles [9].

In 2005, it was estimated that there were 1.6 million people Trusted of mammalian transient receptor potential channels in living cells. Proceedings Source who had lost a limb in the United States. Researchers believed the National Academy of Sciences 99(11): 7461-7466. that vascular problems, trauma, cancer, and armed con icts will lead to Noël J, Zimmermann K, Busserolles J, Deval E, Alloui A et al., (2009) The that number rising to 3.6 million by 2050Trusted Source.

It is estimated that 42.2-78.8 per cent trusted Source of individuals Scholz J, Woolf CJ (2002) Can we conquer pain? Nat Neurosci 5(11): 1062-1067. who have had a limb amputated will su er from phantom limb pain. is kind of neuropathic pain can develop anywhere a limb has been<sup>8</sup> removed.

Roughly half of all people with diabetes experience diabetic the spinal cord. J Neurosci 19(8): 3171-3182. peripheral neuropathy (DPN), which is nerve pain a ecting the feet 0. Bajo VM, Merchán MA, Malmierca MS, Nodal FR, Bjaalie JG (1999) and hands. e toes are usually the rst part of the body to be a ected [10].

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Braz JM, Nassar MA, Wood JN, Basbaum AI (2005) Parallel "pain" pathways DULVH IURP VXESRSXODWLRQV RI SULPDU\ D‡HUHQW

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