petlink.net
creating permanent bonds between owners & pets

# Microchip Migration in Pets

## Why does migration happen and is it a medical risk?

It is vital that microchips be implanted deeply enough in an animal's body to come into contact with tissue. Otherwise, the microchip capsule has nothing to secure itself to, remaining at the skin's surface. From there it could migrate (usually downwards due to gravity) – without harming the animal. However, numerous scientific studies have shown that when properly implanted deeply enough into the tissue, the body will naturally produce a histological reaction that encases the microchip in a capsule of harmless fibrous tissue, almost like scar tissue, that acts as a natural mechanism to hold the microchip in place.

Years of worldwide study prove that using a combination of strict implantation protocol by highly trained staff, and state-of-the-art tools including the use of the latest innovations in companion animal microchips such as thin polymer microchips delivered in smaller needles - can best control the rare instances of microchip migration. Implantation techniques, choice of implantation site, tensile strength of the microchip casing and syringe specifications all play a role towards minimizing microchip migration.

The recommended protocol for microchip implantation is explained in detail at the web site of the World Small Animal Veterinary Association at the following link: http://www.wsava.org/guidelines/microchip-identification-guidelines. This is the protocol that is recognized in the USA by the AVMA and AAHA, and in Canada by the CVMA.

Consistent with these recommendations, Datamars delivers numerous microchip product innovations to the benefit of companion animal welfare.

Datamars' revolutionary PetLink Slim microchips are encased in bio-compatible, polymer, providing excellent tensile strength and durability for performance that will exceed the life of a pet. PetLink Slim weighs *a fraction* of standard glass microchips to help mitigate any gravitational pull within the body. This new, *thin* microchip is delivered in a small needle gauge allowing it to be implanted less invasively than standard microchips to ensure better tissue acceptance – all without compromising read distance. The thin, 14 gauge needle allows for smooth, gentle implantation with minimal penetration force.

To help ensure that microchip implantations are performed correctly, Datamars pioneered the development of **Ergonomic, 'No-Return Click' syringe.** The ergonomic syringe can be easily used with one hand, allowing the person performing the procedure the additional safety of his or her remaining hand to calm or steady the animal. This ensures that the microchip is implanted at the optimal level beneath the skin. Once fully depressed, the syringe clicks and locks, giving an audible signal that the microchip has been fully and properly inserted into the tissue as required. The lock then ensures that the piston cannot pull the microchip back as the needle is retracted from the animal's body, making sure that the microchip remains in its intended location to mitigate migration.

**If you would like more information on providing PetLink, for your customers, please contact us at petlink@petlink.net for more information.**

Datamars is the global leader for high-performance RFID solutions for the animal, livestock and textile identification markets. Our expertise, track record of technological innovation and profound understanding of customers' needs have earned Datamars a reputation for unsurpassed quality and performance. Datamars employs more than 400 people with offices in Europe, Asia, and the Americas. Datamars is a private company, headquartered in Bedano, Switzerland.



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