Abstract. We establish versions of the Snake Lemma from homological algebra in the context of topological groups, Banach spaces, and operator algebras. We apply this tool to demonstrate that if \( f : B \to B' \) is a quasi-unital \( C^* \)-map of separable \( C^* \)-algebras, so that it induces a map of Corona algebras \( f : QB \to QB' \), and if \( f \) is mono, then the induced map \( f \) is also mono.