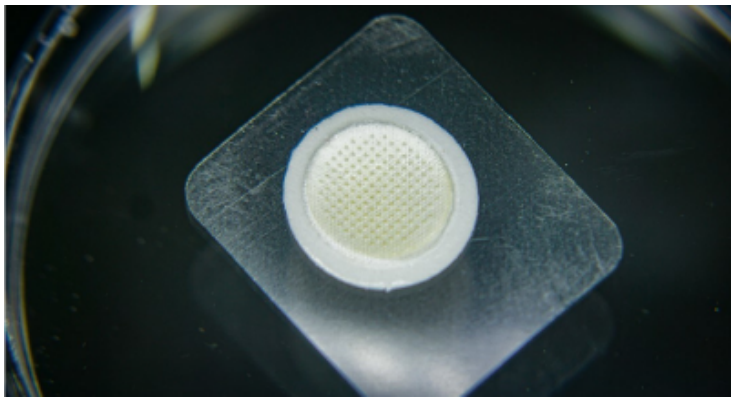
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# Thailand designs innovative 'Detachable and Dissolvable' microneedles

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**The microneedle is made from a polymer called hyaluronic acid**



Mineed Technology, a startup under the umbrella of CU Innovation Hub in collaboration with the Faculty of Science, Chulalongkorn University in Thailand, has developed an innovative "Detachable and Dissolvable Microneedle" that makes injections easy and painless for everyone, while also significantly reducing medical wastes.

The Detachable and Dissolvable Microneedle set consists of two components: a microneedle patch, and a moisture patch resembling a wet tissue.

The innovative microneedle contains active medication in a tiny needle of no more than 1 millimeter (1,000 microns). It can quickly dissolve into the skin giving a different sensation than an injection with a typical syringe.

Microneedles cater to those who need to have frequent subcutaneous injections so that they do not have to waste their time and money traveling to receive services from healthcare profession. It is also a suitable for those who are afraid of needles or do not dare to give themselves injections.

The innovation will help healthcare profession in providing telemedicine services without patients having to come to the hospitals for their injections in the future, which is really cost inefficient.