Funding brings Manchester diagnostic tech closer to market launch

New diagnostic technology developed by a University of Manchester spin-out that could help detect early-stage enamel caries faster could soon be ready to enter the market, as the developer has recently announced that it has received funding from a Northern England investor.

In a commitment to expand to the North of England, Mercia Fund Management has said it will invest over a quarter of a million pounds in the new software, which is claimed to be capable of spotting early caries and other potential problems before they develop into something more serious.

A brainchild of University of Manchester spin-out Manchester Imaging, the software uses technologies like active shape models and active appearance models, which are already used in medicine and face recognition, for example, to analyse dental radiographs in order to find early signs of caries.

According to Manchester Imaging CEO Tony Travers, it is the first time that this kind of modelling has been applied to dentistry.

Traditional methods of early caries detection include the use of laser-induced fluorescence or detection gels, which may however be unreliable.

“Manchester Imaging’s computer-aided dental diagnostic software has been developed to overcome the problems of early-stage identification through the use of pioneering technology that pinpoints the first traces of decay at the touch of a button,” Travers told Dental Tribune International. “It integrates seamlessly with existing digital X-ray and practice software.”

According to Travers, the technology could be market ready as early as 2017. Another funding round for investors is anticipated for this year.

In addition to caries detection, Manchester Imaging is working on other imaging technologies for use in dental implantology, for example...