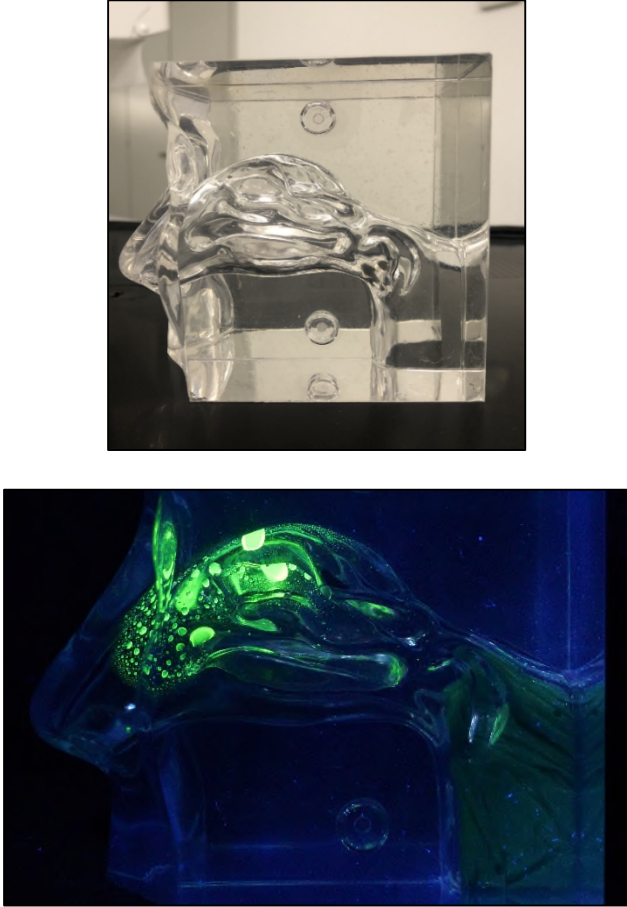


Evaluation of the deposition of intranasal formulations and comparison of different nasal spray devices

Method name	Testing of intranasal formulations and devices using a 3D nasal cast model
Organ system	Upper respiratory tract
Subject area	Drug development
Area of application	Formulation development
Relation of the method to the 3Rs	Replacement & Reduction, Prediction of the deposition of nasal formulations and comparison of devices
Figure	 <p><i>The upper figure shows the transparent 3D nasal cast model by Koken®. In the lower figure the deposition of a spray solution at pre-defined parameters is shown exemplarily.</i></p>
Brief description	The transparent nasal cast model by Koken® (Japan) is a replica of the nasal cavity from an Asian, female donor. It consists of three pieces that can be assembled into each other. A septum made of plastic separates the left from the right side of the nose. The purpose of the nasal cast model is to investigate the deposition of intranasal formulations and to characterize different nasal sprays.
Theme-based funding	n. a.
Publication	n. a.