Telemedicine in Pediatrics: Introduction of an Innovative New Tool to Diagnose and Treat Children in an Ambulatory Setting

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To the Editor

Online virtual consultation setting enables real-time exchange between two or more participants at different locations via audio and video communication [1-9]. In terms of the visualization of the discussion partners, telemedicine thus differs from a classic telephone conference and expands it to include the visual component [1-6]. The term telemedicine system refers to the technological setup or infrastructure behind such a telemedicine meeting, the telemedicine technology [1-7]. This refers to the hardware and software components that are required to carry out telemedicine technically [2]. The good news is that all these conference quirks no longer come into play in corona-conditioned video and telephone conferences [6-10]. There simply is not time for them anymore. Those who use telemedicine need the highest level of discipline. Telemedicine conferences have to be better prepared mentally, as they run in a more moderated, concentrated and focused manner. As a result, many employees who were previously rather critical of conferences are now getting to know a completely new form of treating children: faster, more productive, and more efficient. Added to this are the advantages that no one had to drive to the office for this (i.e., more environmentally friendly) and thus also saved the time that the commute would have taken [7-10].

In conclusion, telemedicine in pediatrics plays a more important role since corona pandemic [5-10]. In virtual telemedicine, you can urgently react to any pediatric problem and telemedicine is time saving, especially in pediatric accidents. Compared to adults, parents are very happy about urgent information what to do, where to go and how is the next step to handle their child. To date, we use telemedicine to see, diagnose and treat the child in an ambulatory setting. In Germany, ambulatory pediatric management is fixed on 3 months terms (quarter treatment). In 1,400 pediatric patients in the last 3 months, we performed 400 telemedicine consultations (29%). In general, it is necessary that the pediatrician is well educated and has much experience in children medical care. Due to this routine, the pediatrician can evaluate the condition, fever, a rash and other features of the child and can make recommendations to the parents in a calm manner, without any hurry. The only difficult examination is the heart auscultation. When you perform highest quality in video conference in a child, you need a nurse, who has much experience, too. Telemedicine is a new tool to diagnose and treat children in an ambulatory pediatric setting to allow the pediatrician to work more flexible, especially in staff shortage situations and high patient volume.

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Conflict of Interest

There is no conflict of interest.

Informed Consent

Not applicable.

Author Contributions

SB performed research, data collection and did the telemedicine consultations at all; EL and GV read the manuscript and
gave important ideas to ameliorate the virtual consultation setting; LB gave recommendations towards the telemedicine setting and checked the references.

Data Availability

Any inquiries regarding supporting data availability of this letter should be directed to corresponding author.

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