

PHYSIOLOGICAL INSIGHTS FOR PLAYERS OF WIND INSTRUMENTS

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Which wind player would not want to see what is going on inside their body while they are playing? Unlike for other instrumentalists, such as for string players, piano players and guitar players, it is very hard for wind players to follow the process of sound generation. This is because movements which are crucial to sound configuration are realised inside the body, for instance: the positioning of the tongue, the soft palate, the larynx and the diaphragm.

For this innovative DVD-ROM, the Freiburg Institute for Musicians' Medicine (Germany) made use of current medical imaging to give insights into what happens inside the human body when playing a wind instrument. The DVD starts with thoroughly explaining anatomical structures. These explanations enable medically untrained musicians to understand the functioning connections when playing a wind instrument. A voice-over then gives further explanations. The wind instruments used in the films are the trumpet, the cornet, the clarinet, the flute and the oboe.

On the DVD you can watch a player's tongue move, see a brass player's embouchure in slow motion, watch a wind player's vocal folds in the larynx begin to move in line with the musician's play and look at the movement of the diaphragm corresponding to the player's respiratory cycle.

The material is of interest to any wind player. It helps them to understand their play in more detail. In addition, teachers of wind players are given a visual aid to explain complex internal processes in a clear and concrete way.

Contents:

■ **Basics:**

Construction and functioning of the lips, vocal tract, larynx, respiratory system

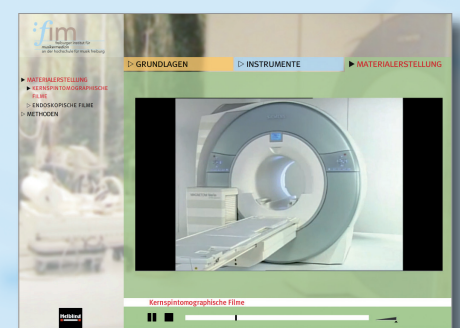
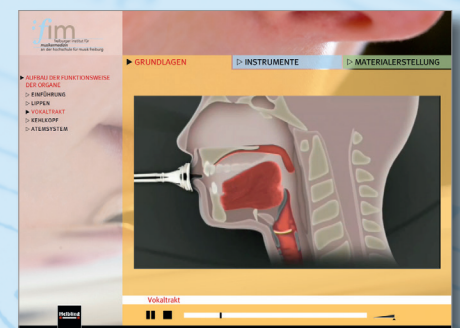
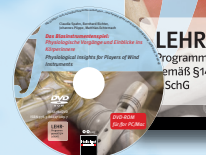
■ **The winding of different instruments:**

the trumpet, the horn, the oboe, the clarinet and flutes, also applicable to the winding of the tenorhorn, the euphonium, the tuba and the trombone

■ **Visualisation methods:**

dynamic magnetic resonance imaging, endoscopic examination

Once you've seen the extraordinary material on this DVD-ROM, you'll know what happens inside the body while you are playing a wind instrument!



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