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The shouting voice ability and the importance as a 'fitness' parameter for all voice users

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Abstract: The term "shouting voice" is understood to mean a voice production that is physiologically and healthily produced and thus by the rules of vocal hygiene. The shouting voice is created by producing a short, swelling, powerful sound using increased breath pressure and complete glottis closure. This tone represents the highest and loudest vocal range of the chest register. The measured frequency position of the shouting voice in the vocal field coordinate system, often an indentation of the vocal field, corresponds to the position of the register transition between the chest and head register. According to the voice evaluation protocol of the European Laryngological Society (ELS), the maximum performance in men is 95dB and in women 90dB. This can be used as a possible guide in the determination of voice registers and to define the "vocal field architecture", as same as to define the "fitness of the voice. We analyzed the acoustic structure and the dynamic of the shouting in four everyman shouters in the play "Everyman" at the Salzburg Festival and we will underline the hypothesis, that a professional shouter has an "Shouting Formant" and the ability of an extraordinary shouting dynamics (113 – 120 dB A)

Keywords: Shouting Formant, Shouting Dynamics, Leap Interval, Fitness of the Voice

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