

## A Study on the Breath of Trumpet Performance and Music Performance

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**Abstract:** with the Development of the Society, China's Economy is Continuously Improving, and the People's Demand for Spiritual Life in the Current Society is More and More Extensive. among Them, Trumpet is One of the Key Components in Musical Instrument Performance, and is Also One of the Musical Instruments Loved by the Broad Masses of the People in the Current Society. in Order to Improve the Performance Level of Trumpet, It is a Feasible Countermeasure to Control Breath Reasonably to Enhance Music Performance, and Breath Control is Also Crucial to Trumpet Performance. Breathing is the Premise and Guarantee to Maintain the Normal Operation of People's Life and Body. in the Performance of Trumpet, People Should Use Breath Reasonably and Accurately, So as to Make Trumpet Show the Music Incisively and Vividly, and Improve the Professional and Scientific Performance. Therefore, This Paper Will Focus on the Analysis of the Breath and Music Performance of Trumpet Performance as the Theme, through a Detailed Understanding of the Relationship between Human Breath Characteristics and Trumpet Performance Breath Characteristics, and Then in-Depth Exploration of Breath Techniques in the Actual Performance of Trumpet Music.

### 1. Introduction

Trumpet is One of the Overtone Musical Instruments. It Has Unusual Characteristics in All Aspects of Pronunciation. It Does Not Use Whistle to Vibrate and Make Sound Like Saxophone. in the Trumpet, the Whistle Does Not Need to Be Used. It Mainly Sounds by Causing the Vibration of the Lips. through the Vibration Caused by the Collision of the Lips with the Airflow, the Whistle Enters the Trumpet Tube through the Amplifying Tube of the Trumpet Mouthpiece, and Then Continuously Expands the Sound. from This, We Can See That Breath Plays a Crucial and Decisive Role in the Pronunciation of the Performer's Lip Vibration. Trumpet Performance Involves a Total of Three Exhalation Methods, Not Only the Chest-Type Luck Method That We Often Use in Our Life, But Also Others. If You Want to Play a Very Perfect Sound, We Have to Use the Right Breath Skills to Complete, There May Be Difficulties in the Process, But as Long as You Stick to It Will Have Hope, Breath Skills for the Trumpet Player is Very Important Effect. in Short, Breath is the Direct Driving Force of Trumpet Playing, Whether It is Familiar with the Skills of Accurate Pronunciation, or the Integrity of the Works Related to Various Processing Factors and Even Musical Performance, the Breath is the First, Which Can Become Small the Foundation of the Musical Performance Control is Also the Most Important [1].

As we all know, breathing plays a very important role in people's life activities. It is the human body and the outside environment. In this whole activity, many organs in the human body are needed to participate in assistance, such as lungs and trachea. A necessary in-vivo activity for gas switching and renewal, when people are doing inhalation and exhalation, the body should inhale enough oxygen to eliminate harmful substances in the body. Air that affects human health A human body needs a mechanism of motion when performing a series of normal breathing exercises. The motor mechanism is simply derived from gas, which is mainly found in the chest muscle tissue of the human body. The gas conducts rhythmic activities in the human body, and the thorax of the human body expands. This activity drives the skeletal muscles of the respiratory muscles to drive the alveoli, and the alveoli expands. In the whole process, the external atmospheric pressure will be much stronger than the atmospheric pressure in the human body, and the outside gas will enter the human body, thus completing the first breath in the human body, which forms the first cycle,

commonly known as inhalation. If the formation of the inspiratory muscle group is not as tight as the original, there will be a second group of respiratory muscle bone and pulmonary smooth muscle effect, and then the chest will appear to reduce the extent of air in the body to speed up the exhaust speed, which completes the second respiratory process in the human body, we call it exhalation. Generally speaking, the alveoli will shrink as well. During this period, the air pressure in the chest of the body will be much higher than that in the outside world. Breathing is an involuntary activity of people. In the human body, there are certain regular gas and external conversion. However, the respiratory activity is not the same as we think, usually because of our age, air pressure, emotional factors, air pressure and other aspects of the production of people's breathing movement have more or less certain changes, the human body can make a certain degree of modification of the inspiratory rhythm through its own subjective ideas.

To sum up, for a trumpet player, it is a necessary professional quality for the player to control and master breathing skills and use them by himself. In the process of trumpet performance, not only the most basic physiological function of human body is needed, but also the requirements for the respiratory function of performance are increasing. That is to say, the continuous air supply of musical instruments is carried out in different degrees, which shows the difference of trumpet performance breath. The breath of trumpet performance is different from our normal breath activities. Generally speaking, it is shorter in the inspiratory movement and longer in the expiratory movement, which is caused by different breath cycles, thus showing the uncertain aspects of the breath movement of trumpet performance, mainly adjusting it according to the length characteristics of various music works. People do not need extra large lung capacity when doing normal breath activities. It is enough to have zero liters of air in stable breathing activities. However, for the trumpet player, a certain degree of inspiratory increase is required in the process of the play, which is estimated to reach three to five liters, which means that we need to use the lung capacity to a greater extent. Upgrade. The normal breath activity in the human body, the amount of air load entering the human respiratory organs is usually small, because of the amount of gas inhaled, but it will be different in the sound. The load on the respiratory muscles has to be expanded many times, and all the respiratory muscles and back should be adjusted to improve the amount of breath necessary for our body [3].

## **2. In View of the Analysis of Music Performance of Breath Skills in Actual Trumpet Playing**

In trumpet playing, some players have great difficulty in performing the technique of “one drum is one long musical sentence”. This leads to the situation of taking a breath halfway. For the player, taking a breath halfway is his own subjective idea and shows his feeling of music sub-syntax. If he can clearly understand that breath is not only the pronunciation source of music, but also an important way of music presentation. For example, when we start a musical work, first we need to make a simple division of the structure of the work, and then we need to make a series of analysis. There will be paragraphs in the work. We need to grasp the meaning of each paragraph. When necessary, we need to make effective and accurate judgment after analyzing each paragraph. As far as sentence teasing is concerned, we also need to identify it accurately in each sentence teasing and even in the whole work. These aspects play an important role in ventilation [4]. The breath technique plays a big role in the trumpet playing sport, and the player can slowly realize the breath technique in the breathing exercise. In everyday life, trumpet players need to have high-pitched performance. As we all know, treble is difficult for some trumpet players. It is not easy to master the stability of treble, and the problem of clear voice is also an aspect to be considered. From this point of view, breathing techniques have played a significant role in these problems. These aspects play an important role in the fluency and integrity of music performance, and have a close relationship with the formation of music image. Next we can learn from the following two aspects:

First, the high-pitched performance stage of the work is an important part of the trumpet performance, and the high-pitched stage mainly shows that the trumpet is high and loud. In the stage of playing the treble, the beginner will simply focus on the mouth activity and contract the muscles of the mouth, because only the contraction of the mouth muscles will reduce the area of the

lip vibration through these amplitudes. The reduction and vibration rhythm increase to show high pitch [5]. However, the treble that is manifested by this situation not only has tension and smoothness, but also is very difficult in the stage of playing. The reason is that the player cannot master the reasonable use of breath techniques in the stage of music production. In the trumpet playing stage, when the player faces higher sound, the speed selection of breathing air flow should also be improved. The joint action of mouth movement and breath skills can make the breath flow in and out smoothly, which can make the lips have sufficient vibration. The high notes played in this way will be stable and smooth, loud and transparent. Moreover, the pressure on the player's mouth will be relieved and it will be much easier to complete the trumpet concert. Obviously, the treble part is very important for trumpet players. In my opinion, a trumpet player can perform the treble part thoroughly, and his performance level is admirable. In the mass media, we often watch this type of performance, and the high-pitched part is enough to judge whether we can continue to watch it. The performer must have the stability to master high notes and the flexible application of breath skills to master the true meaning of trumpet playing.

Secondly, as for the musical performance of spitting sound, we are familiar with that spitting sound is one of the most important forms of performance in music works with pleasant and lively sounds. During the trumpet playing stage, some players often ignore the effect of breath involuntarily, simply taking a fancy to the tongue and taking the tongue as the key point in the performance of spitting sound. This is not enough to grasp the skills of attracting performance, which will make the tongue exert too much force, thus making the tongue in a tight state, difficult to achieve a relaxed state, resulting in the breath is not smooth, showing a very relaxed tone color. The sound lacks elasticity, so it is obscure and lacks strength. It is also not satisfactory for achieving the effect of natural respiration. Trumpets can be played in a variety of ways, but no matter which way they are played, the interaction between the tongue and breathing skills is essential, not just the emphasis on the tongue. For example, the most representative single spitting sound includes not only single external spitting but also single internal spitting [6]. Single external vomiting is mainly to complete the natural bending of the tongue, the premise is to have an accurate style of blowing, close to the inner wall of the lips, and quickly expand and retract in the process of exhalation, so that the airflow enters the hole. The momentum, in turn, shows a short but powerful voice. Single internal spit is also under the condition of ensuring the correct blow port shape, the bottom of the tongue is retracted to achieve the sealing of the upper jaw. During the exhalation activity phase, the base of the tongue is quickly transported forward, so that the airflow is quickly inserted into the hole. Show a short, powerful voice. First of all, we must understand that exhalation must be very rapid, and the tongue should be in a relaxed state during the playing of the sound. Breathing techniques and breath-assisting interactions to achieve activities with slack lines. The sounds that are played in this way make people feel very natural. The tightness of the tongue is proportional to the patency of the breath, and the degree of the sound is too fast. Become more relaxed and comfortable. It can be seen that the performance of the voicing is also very important for a trumpet player. In daily life, the trumpet player should add more skills to train the tongue and the technique of the breath. I think that only the two are closely combined and complement each other. Will be more perfect [7].

### 3. Conclusion

Through the analysis of the above problems, we are fully aware of the importance and necessity of trumpet playing to improve music performance. The reasonable control of breath directly determines the level of trumpet playing, so in the actual trumpet playing process, the performer must reasonably control his own breath in order to make the trumpet music show incisively and vividly. This requires the relevant players to strengthen the training of breath in the future training, to achieve better control of breath in the actual performance, and to strengthen the accurate grasp of artistic mood. In order to give the audience a good audio-visual feast in the process of performance, trumpet performers need to have excellent psychological quality, scientific and reasonable control of their own artistic mood. Only in this way can we become an excellent trumpet player and lay a

solid foundation for improving the professionalism and scientificity of performance.

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