

بسم الله الرحمن الرحيم

Role of Islamic Slaughter in the prevention of the infectious diseases

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Introduction

قال سبحانه وتعالى (قُلْ إِنَّ صَلَاتِي وَنُسُكِي وَمَحْيَايَ وَمَمَاتِي لِلَّهِ رَبِّ الْعَالَمِينَ. لَا شَرِيكَ لَهُ وَبِذَلِكَ أُمِرْتُ وَأَنَا أَوَّلُ الْمُسْلِمِينَ)
[الأنعام: 162 و 163]

Introduction

قال سبحانه وتعالى: (فَكُلُوا مِمَّا ذُكِرَ اسْمُ اللَّهِ عَلَيْهِ إِنْ كُنْتُمْ بِآيَاتِهِ مُؤْمِنِينَ) [الأنعام:118].

(باسم الله والله أكبر)

The prophet (saw) said, "Eat from those animals whose blood was drained and upon whom the name of Allâh was recited.

Slaughter in Islam

Slaughter in Islam is cutting all of the four vessels of the throat (two jugular veins and two carotid arteries), trachea and esophagus.

It is known as "**Zabeh**" in cattle, sheep and goats, while it known as "**Naher**" in camel.

Slaughter in Islam

In **Zabeh**, the cutting usually near to the connection of the head with the neck.

In **Naher**, the cutting is near the connection of the neck with the chest.

Slaughter in Islam

Jugular veins are two main veins on the left and right side of the neck. They are the largest superficial veins in the animal body.

Carotid arteries are two main arteries in the neck region and located just anterior to the jugular veins. They supplying the brain with arterial blood.

Animal anatomy and The Sunnah method of slaughter



The main objective of the Sunnah method of slaughter

The main objective of the Sunnah method of slaughter is to **drain all of the impure blood** from the body of the animal through:

- (1) **cutting of the four blood vessels of the throat.**
- (2) **keeping the neck connected till the animal die**

(1) Cutting of the vessels of the throat

- ◆ In Islamic slaughter, cutting of the **blood vessels of the throat** → facilitate the drain all of the impure blood from the animal body in a short time.
- ◆ Draining of **blood** from the animal → prevents growth and multiplication of harmful micro-organisms

(1) Cutting of the vessels of the throat

The best method of slaughter is the Sunnah method which consists of a horizontal cut on the throat of the animal and **severing all four blood vessels of the throat** in order to remove all the impure blood from the animal.

This is the only method which ensures that **the meat slaughtered is lawful for Muslims of all schools** of thought to consume and the method which removes all doubts.

(1) Cutting of the vessels of the throat

In addition to **complete bleeding of flowing blood**, there are numerous benefits of severing all the blood vessels of the throat including:

- ◆ **increased shelf life;**
- ◆ **absence of bacteria; and**
- ◆ **Make a slaughter with minimum pain.**

There is no pain in Islamic slaughter

Cutting of the **carotid arteries** during Islamic slaughter:

- stop the blood supply to the brain;
- disrupts the centers of sense in the brain;
- make the animal unconscious at once
- no pain sensation (**no pain in Islamic slaughter**).

There is no pain in Islamic slaughter

قال صلى الله عليه وسلم: " إن الله كتب الإحسان على كل شيء فإذا قتلتم فأحسنوا القتلة، وإذا ذبحتم فأحسنوا الذبحة، **وليحد أحدكم شفرته** **وليرح ذبيحته**"

(2) keep the neck connected till the animal die

Prevention of neck separation is very important to complete the bleeding process to remove all the blood from carcass.

Blood is a typical media for proliferation of different kinds of microbes, therefore its complete removal from the slaughtered animal is vital to protect consumers from infectious diseases.

(2) keep the neck connected till the animal die

Prevention of neck separation (follow the Prophet Mohammed (peace be upon him) → keep the connection through the spinal cord → means no assault on the nervous system and preservation of life in it → the survival of life in the CNS is of paramount importance to complete the bleeding process → to remove all the blood from carcass (through two mechanisms): **Nervous mechanism and Hormonal assay**

(2) keep the neck connected till the animal die

2.1. Nervous mechanism

- ◆ The brain sends signals to the heart via the spinal cord, → asking him to provide him with blood, because blood did not reach him, like a calling (first calling).
- ◆ The brain sends also signals to all muscles via the spinal cord, → asking them to provide the heart with their blood, another calling (second calling).

(2) keep the neck connected till the animal die

2.1. Nervous mechanism

- ◆ The second calling → make all muscles contracted (convulsions and kicking just after slaughter) → to push the blood to the heart.
- ◆ So that the convulsions and kicking of the animals after slaughtering according to Sunnah are not due to pain, but the muscles contracted to send their blood to the heart (the correct bleeding process).

(2) keep the neck connected till the animal die

2.2. Hormonal assay

- ◆ The normal heart rate (rhythm) is not enough to remove whole of the blood. So that the heart should have a very exceptional order starting from the brain, in order to increase or raise the pulse (heart rhythm), and this occurs only if the head of the carcass is connected to the body.

(2) keep the neck connected till the animal die

2.2. Hormonal assay

- ◆ Due to shortage of the blood supply, → the brain asking → **the pituitary gland** (which is found in the brain and represent Queen of the hormonal system) → to find a solution for this problem → the pituitary gland send an order to **the adrenal gland** (Suprarenal gland) → which in turn send **adrenaline hormone** to the heart → rises or increase the pulse → to pump all the blood to the brain → **which go out the animal body through the opened vessels.**

(2) keep the neck connected till the animal die

2.2. Hormonal assay

The Islamic slaughter → brings the number of heartbeats to about **three times the normal rhythm** of the animal → to supply the brain with blood which go out the body of the slaughter animal → **to complete the bleeding process in very short time.**

(2) keep the neck connected till the animal die

According to the Prophet Mohammed (peace be upon him), please keep the head connected to the slaughtered animal until the animal is completely dead. Because of: →

(2) keep the neck connected till the animal die

Keeping the head connected to the slaughtered animal until the animal is dead → complete the bleeding process → remove all the impure blood from the animal (which is suitable media for growth and multiplication of several infectious agents) → avoid infection and diseases for the consumers.

So that Islamic Slaughter has a great role in the prevention of the infectious diseases

The best method of slaughter

- ◆ Studies have shown that **halal slaughter protects consumers from many infectious diseases** which are not possible in the conventional methods used in many countries.
- ◆ The Islamic slaughtering process is of **significant importance for both human health, and safety and quality of the meat.**

Role of Islamic Slaughter in the prevention of the infectious diseases

You find this in the Quran.

(لَا يَأْتِيهِ الْبَاطِلُ مِنْ بَيْنِ يَدَيْهِ وَلَا مِنْ خَلْفِهِ
تَنْزِيلٌ مِنْ حَكِيمٍ حَمِيدٍ) [فصلت: 42]

Prophet Mohammed (peace be upon him)
taught us the correct method of animal
slaughter:

(وَمَا يَنْطِقُ عَنِ الْهَوَىٰ إِنْ هُوَ إِلَّا وَحْيٌ يُوحَىٰ
([النجم: 3-4] وصدق الله العظيم.



الحمد لله رب العالمين