# A CADAVERIC STUDY ON MYOLOGY WITH SPECIAL REFERENCE TO PESHI SWAROOP 

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#### Abstract

Peshi are component of body mainly composed of mamsa dhatu. During fetal development vata dosha enters the mamsa dhatu and divides it into peshi. Peshi are thick or thin, big or minute, stout/thick or round/circular, short or long, fix/stable, hard or soft, smooth or rough; they cover the sandhi, asthi, sira and snayu, in their places naturally. The morphology of peshi differs according to their locations and functions. Skeletal muscle, also called striated muscle, is a dense, fibrous contractile tissue which exists throughout the body, and functions to allow body movements by applying force to bones and joints, via contraction. In human, there are approximately 640 muscles and almost all are symmetrically distributed between the left and right sides of the body. Size and shape of different muscles are highly variable depending on their functions throughout the body.


KEYWORDS: Peshi, Muscle, Morphology, Peshi Swaroop

## INTRODUCTION

Ayurveda is a human science, which is based on practical results obtained through different experimentation \& studies on almost everything which effects life. It even provides the knowledge \& understanding of the structural \& functional constitution of human body (Shareera).

Although Shadangatvam is an explanation of bodies main six regions, the pratyangas are explained as sub divisions of Shadangatvam. While explaining the pratyangas, some of the structures like- Srotas, Peshis \& Ashayas, anatomy \& physiological concepts are different in both sexes \& there are some differences in their numbers \& structures, such as Peshi numbers are different in males \& females.

Acharya Sushruta, says that the body should be dissected after keeping in water, within a time span of seven days. He described about various structures of the human body in detail, which can be seen after dissection. Thus, he is known as the Father of Ancient Surgery.

Peshi, the component part of the human body is derived from the mamsa dhatu. It wraps the body like a sleeve, covers the sira, snayu, asthi \& sandhi thus provides the smooth contour to the body. ${ }^{[1]}$

During fetal development vata dosha enters the mamsa dhatu and divides it into peshi. Peshi are thick or thin, big or minute, stout/thick or round/circular, short or long, fix/stable, hard or soft, smooth or rough; they cover the sandhi, asthi, sira and snayu, in their places naturally.

The number of peshis, their location, distribution \& function has been explained in Samhitas. In males there are 500 numbers of peshis \& in females 520. The 20 extra peshis are said to be located in the region of sthana (breast) \& yoni \& garbhashaya (vagina \& uterus). As per modern anatomy, there are approximately 640 muscles and almost all are symmetrically distributed between the left and right sides of the body. Size and shape of different muscles are highly variable depending on their functions throughout the body.

Acharya Sushrut has classified all the muscles of human body into 12 types of peshi swaroop. Some of which indicate the structural entities of peshi, while the others indicate the properties of the peshi, which creates confusion.

Also, Classifications like Unipennate, Bipennate, Multipennate etc are mentioned in modern Anatomy,
which cannot be correlated with any of the types mentioned by Acharya Sushrut.

Hence, to clear these doubts \& to form a correlation, the present work has been carried out so that the muscles of the human body can be classified as per the Peshi Swaroop classification mentioned by Acharya Sushrut in Sushruta Samhita.

## METHODOLOGY

Current study was carried out in three phases- 1. Literary study 2. Cadaveric study 3 . Observational study.

## $1^{\text {st }}$ Phase of Study

First phase of the study included Literary Study.
In this phase, the Laghutrayi, Bruhatrayi and various other ayurvedic treatises were analysed to search different terms related to peshi \& to understand the meaning of each peshi swaroop.

## $2^{\text {nd }}$ Phase of Study

Second phase included the Cadaveric Dissection.
In this phase, region wise cadaveric dissection of muscles of the human body, was carried out on 04 cadavers ( 02 Male cadavers, \& 02 Female Cadavers), in the Department of Rachana Sharir (Anatomy), Parul Institute of Ayurved, Parul University, Vadodara (Gujarat), as per the guidelines mentioned in the "Cunningham's Manual of Dissection".
The, dissection procedure was performed layer by layer, and the muscles were observed \& studied thoroughly..

## $3^{\text {rd }}$ Phase of Study

Third phase included the Observational Study.
In this phase, the photographs \& measurements (taken with Measuring Tape \& Vernier Caliper), of the dissected muscles which were taken during the cadaveric dissection; were documented \& analysed thoroughly.

OBSERVATION
(Table No. 01) Dimensions Of Muscles Observed During Dissection.

| SR NO. | MUSCLE NAME | CADAVER - 1 ( 155 cm ) |  |  | CADAVER - 2 (159cm) |  |  | CADAVER - 3 ( 166 cm ) |  |  | CADAVER - 4 ( 168 cm ) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Length | Breadth | Thickness | Length | Breadth | Thickness | Length | Breadth | Thickness | Length | Breadth | Thickness |
| 1 | Abductor Digiti Minimi (Foot) | 10 | 0.9 | 0.3 | 10.5 | 1 | 0.4 | 11.7 | 1.4 | 0.4 | 12 | 1.5 | 0.5 |
| 2 | Abductor Digiti Minimi (Hand) | 8 | 2 | 0.3 | 9 | 3 | 0.3 | 10.2 | 3.5 | 0.4 | 10.3 | 3.6 | 0.5 |
| 3 | Abductor Hallucis | 7.5 | 0.6 | 0.3 | 8 | 0.8 | 0.4 | 9 | 1 | 0.5 | 9.2 | 1.2 | 0.6 |
| 4 | Abductor Pollicis Brevis | 8 | 2 | 0.3 | 9 | 3 | 0.4 | 10 | 3.7 | 0.5 | 10.3 | 3.9 | 0.6 |
| 5 | Abductor Pollicis Longus | 19 | 1.5 | 0.3 | 20 | 2 | 0.3 | 21.2 | 3 | 0.4 | 21.4 | 3 | 0.5 |
| 6 | Adductor Brevis | 14 | 5 | 0.4 | 14.5 | 5.5 | 0.5 | 15 | 6 | 0.6 | 15.3 | 6.3 | 0.7 |
| 7 | Adductor Hallucis | 6.8 | 0.9 | 0.3 | 7 | 1 | 0.4 | 8 | 1.5 | 0.5 | 8.3 | 1.7 | 0.6 |
| 8 | Adductor Longus | 20 | 4 | 0.5 | 20.5 | 4.5 | 0.6 | 21.5 | 5 | 0.7 | 21.7 | 5.3 | 0.8 |
| 9 | Adductor Magnus | 27 | 11 | 0.5 | 27.5 | 11.3 | 0.6 | 28.4 | 12 | 0.7 | 28.5 | 12.2 | 0.8 |
| 10 | Adductor Pollicis | 5.5 | 2 | 0.3 | 6 | 2 | 0.3 | 7 | 3 | 0.4 | 7.2 | 3.2 | 0.5 |
| 11 | Anconeus | 8 | 3.5 | 0.2 | 8 | 3.5 | 0.3 | 9 | 4 | 0.4 | 9.2 | 4.2 | 0.5 |
| 13 | Articularis Genu | 4 | 1.5 | 0.2 | 4.5 | 1.7 | 0.3 | 5.5 | 2.5 | 0.4 | 5.7 | 2.6 | 0.5 |
| 16 | Auricularis | 7 | 10 | 0.2 | 7.5 | 10.2 | 0.2 | 8.5 | 11.2 | 0.4 | 8.6 | 11.4 | 0.5 |
| 17 | Biceps Brachii | 26 | 6.5 | 1 | 27 | 6.5 | 1.2 | 28 | 7 | 2 | 28.2 | 7.3 | 2.2 |
| 18 | Biceps Femoris | 37 | 5 | 0.4 | 37.4 | 5.3 | 0.5 | 38.5 | 6.4 | 0.6 | 38.7 | 6.5 | 0.7 |
| 19 | Brachialis | 19 | 5 | 1 | 20 | 5 | 1 | 21.5 | 6 | 1.9 | 21.7 | 6.2 | 2 |
| 20 | Brachioradialis | 29 | 2.5 | 0.3 | 29.5 | 3 | 0.3 | 30.5 | 4 | 0.4 | 30.7 | 4.2 | 0.5 |
| 21 | Buccinator | 3.2 | 2.8 | 0.3 | 3.3 | 2.9 | 0.3 | 4.4 | 3.5 | 0.4 | 4.5 | 3.6 | 0.5 |
| 22 | Bulbospongiosus | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 1.1 | 0.2 | 2 | 1.2 | 0.2 |
| 23 | Constrictor Of Pharynx -Inferior | 2.5 | 1 | 0.2 | 2.5 | 1.2 | 0.2 | 3.3 | 2 | 0.4 | 3.5 | 2.2 | 0.5 |
| 24 | Constrictor Of Pharynx -Middle | 2.2 | 0.6 | 0.2 | 2.3 | 0.6 | 0.3 | 3.2 | 1.2 | 0.4 | 3.4 | 1.3 | 0.5 |
| 25 | Constrictor Of Pharynx -Superior | 2 | 1 | 0.2 | 2.2 | 1.2 | 0.3 | 3.3 | 2.1 | 0.4 | 3.5 | 2.3 | 0.5 |
| 26 | Coracobrachialis | 16 | 2.5 | 0.3 | 17 | 3 | 0.3 | 18.2 | 4 | 0.5 | 18.4 | 4.3 | 0.6 |
| 27 | Corrugator Supercilii | 2.6 | 1.2 | 0.3 | 2.7 | 1.3 | 0.3 | 3.5 | 2.2 | 0.4 | 3.7 | 2.4 | 0.5 |
| 28 | Cremaster | 0 | 0 | 0 | 0 | 0 | 0 | 2.8 | 1.8 | 0.2 | 2.8 | 1.9 | 0.2 |
| 29 | Cricothyroid | 3.2 | 2.2 | 0.2 | 3.3 | 2.2 | 0.3 | 4.4 | 3 | 0.4 | 4.5 | 3.1 | 0.5 |
| 30 | Dartos | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 1.6 | 0.2 | 2.6 | 1.8 | 0.2 |
| 31 | Deep Transverse Perinei | 2.8 | 0.8 | 0.2 | 2.9 | 0.9 | 0.2 | 4 | 2 | 0.4 | 4.2 | 2.2 | 0.5 |
| 32 | Deltoid | 21 | 16 | 1 | 22 | 16.5 | 1 | 23 | 17.3 | 1.7 | 23.2 | 17.5 | 1.9 |
| 33 | Depressor Anguli Oris | 3 | 2 | 0.3 | 3.2 | 2.3 | 0.4 | 4.2 | 3.2 | 0.5 | 4.4 | 3.3 | 0.6 |
| 34 | Depressor Labii Inferioris | 2.7 | 1.4 | 0.2 | 2.8 | 1.5 | 0.2 | 4 | 2.5 | 0.4 | 4.2 | 2.7 | 0.5 |
| 35 | Diaphragm | 32 | 16 | 0.2 | 32.6 | 16.5 | 0.3 | 33.8 | 17.4 | 0.4 | 34 | 17.5 | 0.5 |
| 36 | Digastric | 4.5 | 2.3 | 0.2 | 5 | 2.6 | 0.3 | 6 | 3.4 | 0.4 | 6.2 | 3.5 | 0.5 |
| 37 | Dorsal Interossei | 6 | 1.5 | 0.2 | 6.5 | 2 | 0.2 | 7.5 | 3 | 0.4 | 7.7 | 3.2 | 0.5 |
| 38 | Erector Spinae - Spinalis | 39 | 1.7 | 0.2 | 40 | 1.8 | 0.3 | 41.5 | 2.5 | 0.4 | 41.7 | 2.6 | 0.5 |
| 39 | Erector Spinae - Iliocostalis | 41 | 1.8 | 0.2 | 41.5 | 2 | 0.3 | 43 | 2.9 | 0.4 | 43.2 | 3.1 | 0.5 |
| 40 | Erector Spinae - Longissimus | 43 | 1.7 | 0.2 | 43.4 | 1.9 | 0.3 | 44.8 | 2.7 | 0.5 | 45 | 2.8 | 0.6 |
| 41 | Extensor Carpi Radialis Brevis | 28 | 4 | 0.3 | 28 | 4 | 0.3 | 29.4 | 5 | 0.5 | 29.5 | 5.2 | 0.6 |
| 42 | Extensor Carpi Radialis Longus | 30 | 4 | 0.3 | 31 | 4 | 0.3 | 32.2 | 5 | 0.4 | 32.4 | 5.2 | 0.5 |
| 43 | Extensor Carpi Ulnaris | 36 | 2.5 | 0.3 | 36.5 | 3 | 0.4 | 38 | 4 | 0.5 | 38.2 | 4.2 | 0.6 |
| 44 | Extensor Digiti Minimi (Hand) | 37 | 1.5 | 0.3 | 38 | 2 | 0.4 | 39 | 2.9 | 0.5 | 39.2 | 3 | 0.6 |
| 45 | Extensor Digitorum (Hand) | 40 | 4 | 0.3 | 41 | 4 | 0.3 | 42 | 5 | 0.4 | 42.3 | 5.2 | 0.5 |
| 46 | Extensor Digitorum Brevis (Foot) | 14 | 2 | 0.3 | 15 | 2.4 | 0.4 | 16 | 3 | 0.5 | 16.2 | 3.2 | 0.6 |
| 47 | Extensor Digitorum Longus (Foot) | 42 | 1.8 | 0.2 | 43 | 2 | 0.3 | 44 | 3 | 0.4 | 44.2 | 3.2 | 0.5 |


| 48 | Extensor Hallucis Longus | 34 | 1.6 | 0.3 | 34.5 | 1.9 | 0.4 | 35.8 | 3 | 0.5 | 36 | 3.2 | 0.6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49 | Extensor Indicis | 28 | 1.5 | 0.2 | 29 | 2 | 0.3 | 30 | 3 | 0.4 | 30.2 | 3.2 | 0.5 |
| 50 | Extensor Pollicis Brevis | 17 | 2 | 0.3 | 18 | 2 | 0.4 | 19 | 3 | 0.5 | 19.2 | 3.2 | 0.6 |
| 51 | Extensor Pollicis Longus | 20 | 2 | 0.3 | 20.5 | 2.5 | 0.3 | 21.8 | 3.3 | 0.4 | 22 | 3.5 | 0.5 |
| 52 | External Oblique Abdominis | 32 | 13 | 0.2 | 33 | 13.7 | 0.3 | 34 | 14.7 | 0.4 | 34.2 | 15 | 0.5 |
| 53 | Flexor Carpi Radialis | 27 | 3.5 | 0.3 | 27.5 | 4 | 0.4 | 28.6 | 5 | 0.5 | 28.9 | 5.2 | 0.6 |
| 54 | Flexor Carpi Ulnaris | 26 | 3 | 0.3 | 27 | 3.5 | 0.3 | 28 | 4.4 | 0.4 | 4.5 | 0.5 | 0.5 |
| 55 | Flexor Digiti Minimi Brevis (Foot) | 3.6 | 1 | 0.2 | 3.8 | 1.2 | 0.3 | 5 | 2 | 0.4 | 5.2 | 2.2 | 0.5 |
| 56 | Flexor Digiti Minimi Brevis (Hand) | 7.5 | 2 | 0.4 | 8 | 2 | 0.4 | 9 | 3 | 0.5 | 9.2 | 3.3 | 0.6 |
| 57 | Flexor Digitorum Brevis | 7.8 | 5.5 | 0.3 | 7.9 | 5.7 | 0.3 | 9 | 6.7 | 0.4 | 9.2 | 6.9 | 0.5 |
| 58 | Flexor Digitorum Longus (Foot) | 32 | 5.6 | 0.3 | 32.3 | 5.8 | 0.4 | 33.2 | 6.7 | 0.5 | 33.4 | 6.9 | 0.6 |
| 59 | Flexor Digitorum Profundus | 42 | 6 | 0.3 | 43 | 6 | 0.4 | 44 | 7 | 0.5 | 44.2 | 7.2 | 0.6 |
| 60 | Flexor Digitorum Superficialis | 40 | 5.5 | 0.6 | 41 | 6 | 0.6 | 42 | 7 | 0.7 | 42.2 | 7.2 | 0.8 |
| 61 | Flexor Hallucis Brevis | 4.5 | 1.7 | 0.2 | 4.7 | 1.8 | 0.3 | 6 | 2.8 | 0.4 | 6.2 | 3 | 0.5 |
| 62 | Flexor Hallucis Longus | 26 | 4 | 0.2 | 26.4 | 4.4 | 0.3 | 27.3 | 5.4 | 0.4 | 27.5 | 5.6 | 0.5 |
| 63 | Flexor Pollicis Brevis | 7 | 1 | 0.3 | 7.5 | 1.5 | 0.4 | 8.6 | 2.4 | 0.5 | 8.8 | 2.6 | 0.6 |
| 64 | Flexor Pollicis Longus | 32 | 5 | 0.3 | 33 | 5.5 | 0.4 | 34 | 6.4 | 0.5 | 34.2 | 6.5 | 0.6 |
| 65 | Frontalis | 3.8 | 2.4 | 0.2 | 3.9 | 2.6 | 0.3 | 5 | 3.2 | 0.4 | 5.2 | 3.4 | 0.5 |
| 66 | Gastrocnemius | 44 | 5.5 | 0.7 | 44.5 | 6 | 0.8 | 45.4 | 7 | 0.9 | 45.5 | 7.2 | 1 |
| 67 | Gemellus Inferior | 4 | 0.9 | 0.2 | 4.3 | 1 | 0.3 | 5.2 | 1.9 | 0.4 | 5.4 | 2 | 0.5 |
| 68 | Gemellus Superior | 5 | 0.8 | 0.2 | 5.2 | 0.9 | 0.3 | 6.2 | 1.8 | 0.4 | 6.4 | 2 | 0.5 |
| 69 | Genioglossus | 6.5 | 4 | 0.3 | 6.7 | 4.2 | 0.4 | 7.6 | 5.2 | 0.5 | 7.8 | 5.4 | 0.6 |
| 70 | Geniohyoid | 3 | 1.4 | 0.3 | 3.1 | 1.5 | 0.3 | 4.2 | 2.3 | 0.4 | 4.4 | 2.4 | 0.5 |
| 71 | Gluteus Maximus | 18 | 26 | 4 | 18.5 | 26.7 | 4.3 | 19.6 | 27.5 | 4.8 | 19.8 | 27.7 | 5 |
| 72 | Gluteus Medius | 12 | 11 | 2 | 12.6 | 11.4 | 2.5 | 13.6 | 12.3 | 3 | 13.8 | 12.5 | 3.2 |
| 73 | Gluteus Minimus | 9 | 6 | 0.7 | 9.5 | 6.3 | 0.8 | 10.4 | 7.2 | 1 | 10.6 | 7.4 | 1.2 |
| 74 | Gracilis | 33 | 5 | 0.6 | 33.5 | 5.5 | 0.7 | 34.7 | 6.3 | 0.9 | 35 | 6.5 | 1 |
| 75 | Hyoglossus | 2.7 | 1.5 | 0.4 | 2.8 | 1.6 | 0.4 | 4 | 2.4 | 0.5 | 4.2 | 2.6 | 0.6 |
| 76 | Iliacus | 16 | 13 | 0.7 | 16.4 | 13.6 | 0.8 | 17.4 | 14.4 | 0.9 | 17.6 | 14.6 | 1 |
| 77 | Inferior Oblique | 1.7 | 0.8 | 0.2 | 1.8 | 0.8 | 0.2 | 3 | 2 | 0.4 | 3.2 | 2.2 | 0.5 |
| 78 | Inferior Rectus | 2.8 | 0.9 | 0.2 | 2.9 | 1 | 0.2 | 4 | 2 | 0.4 | 4.2 | 2.2 | 0.5 |
| 79 | Infraspinatus | 17 | 7.5 | 0.3 | 18 | 8 | 0.4 | 19.1 | 9 | 0.6 | 19.4 | 9.2 | 0.7 |
| 80 | Intercostals External | 16 | 1.2 | 0.3 | 16 | 1.3 | 0.3 | 17.2 | 2.3 | 0.5 | 17.4 | 2.5 | 0.6 |
| 81 | Intercostals Innermost | 16.2 | 1.2 | 0.3 | 16.3 | 1.3 | 0.3 | 17.4 | 2.1 | 0.5 | 17.6 | 2.3 | 0.6 |
| 82 | Intercostals Internal | 16.4 | 1.2 | 0.3 | 16.5 | 1.3 | 0.4 | 17.7 | 2.2 | 0.6 | 17.9 | 2.4 | 0.7 |
| 83 | Internal Oblique Abdominis | 22 | 10 | 0.2 | 22.6 | 10.3 | 0.3 | 23.8 | 11.2 | 0.5 | 24 | 11.4 | 0.6 |
| 87 | Interossei - Plantar Of Foot | 5 | 0.8 | 0.3 | 5.1 | 0.9 | 0.3 | 6.2 | 2 | 0.5 | 6.4 | 2.2 | 0.6 |
| 88 | Interspinales | 1.2 | 0.6 | 0.3 | 1.3 | 0.6 | 0.3 | 2.1 | 1.3 | 0.4 | 2.3 | 1.5 | 0.6 |
| 89 | Intertransversarii | 2 | 1 | 0.4 | 2.1 | 1.2 | 0.4 | 3.2 | 2.2 | 0.6 | 3.5 | 2.4 | 0.7 |
| 90 | Intrinsic Muscles Of Tongue | 4.9 | 3.2 | 0.4 | 5 | 3.3 | 0.5 | 6.1 | 4.2 | 0.8 | 6.3 | 4.4 | 1 |
| 91 | Ishiocavernosus | 2.6 | 0.4 | 0.2 | 2.7 | 0.4 | 0.2 | 3.9 | 1.2 | 0.4 | 4.2 | 1.4 | 0.5 |
| 92 | Lateral Cricoarytenoid | 1.8 | 1 | 0.2 | 1.9 | 1 | 0.2 | 3 | 2 | 0.4 | 3.2 | 2.2 | 0.5 |
| 93 | Lateral Pterygoid | 2.4 | 1.8 | 0.3 | 2.4 | 1.9 | 0.4 | 3.5 | 2.8 | 0.6 | 3.7 | 3 | 0.7 |
| 94 | Lateral Rectus | 2 | 0.9 | 0.3 | 2 | 1 | 0.9 | 3.1 | 2.7 | 1.3 | 3.3 | 2.9 | 1.5 |
| 95 | Latissimus Dorsi | 17 | 20 | 0.2 | 18 | 20.5 | 0.3 | 19.2 | 21.4 | 0.5 | 19.4 | 21.6 | 0.6 |
| 96 | Levator Anguli Oris | 2 | 0.9 | 0.3 | 2.1 | 1 | 0.3 | 3.3 | 2 | 0.5 | 3.5 | 2.2 | 0.7 |
| 97 | Levator Ani-Coccygeus | 2.5 | 1 | 0.3 | 2.6 | 1.1 | 0.3 | 3.7 | 2.1 | 0.5 | 3.9 | 2.3 | 0.6 |
| 98 | Levator Ani - Iliococcygeus | 6.3 | 4.9 | 0.3 | 6.4 | 5 | 0.3 | 7.6 | 6 | 0.5 | 7.8 | 6.2 | 6 |
| 99 | Levator Ani-Pubococcygeus | 11 | 2.5 | 0.3 | 11.3 | 2.6 | 0.4 | 12.4 | 3.5 | 0.6 | 12.6 | 3.7 | 0.7 |


| 100 | Levator Ani-Puborectalis | 1.8 | 0.6 | 0.3 | 1.9 | 0.6 | 0.3 | 3 | 1.5 | 0.5 | 3.2 | 1.7 | 0.7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101 | Levator Ani-Pubovaginalis | 1.7 | 0.5 | 0.3 | 1.8 | 0.6 | 0.3 | 3 | 1.3 | 0.5 | 3.2 | 1.5 | 0.6 |
| 103 | Levator Labii Superioris | 1.9 | 1.1 | 0.3 | 2 | 1.3 | 0.4 | 3 | 2.2 | 0.6 | 3.2 | 2.4 | 0.8 |
| 104 | Alaeque Nasi | 1.1 | 0.5 | 0.2 | 1.2 | 0.5 | 0.2 | 2.3 | 1.3 | 0.4 | 1.5 | 1.5 | 0.6 |
| 105 | Levator Palpebrae Superioris | 3 | 0.9 | 0.3 | 3.1 | 1 | 0.3 | 4.2 | 2 | 0.5 | 4.4 | 2.2 | 0.6 |
| 106 | Levator Scapulae | 10 | 2.5 | 0.4 | 11 | 3 | 0.4 | 12 | 4 | 0.6 | 12.2 | 4.2 | 0.7 |
| 107 | Levator Veli Palatini | 1 | 1 | 0.2 | 1.1 | 1.1 | 0.2 | 2.1 | 2 | 0.4 | 2.3 | 2.1 | 0.5 |
| 108 | Levatores Costarum | 18 | 2.2 | 0.3 | 18.1 | 2.2 | 0.3 | 19 | 3 | 0.5 | 19.2 | 3.2 | 0.6 |
| 109 | Longus Capitis | 5.8 | 1.2 | 0.3 | 5.9 | 1.3 | 0.4 | 7 | 2.1 | 0.6 | 7.2 | 2.3 | 0.7 |
| 110 | Longus Colli | 3.8 | 1.4 | 0.3 | 3.9 | 1.5 | 0.4 | 5 | 2.3 | 0.6 | 5.2 | 2.5 | 0.7 |
| 111 | Lumbricals Of Foot (4) | 5 | 3 | 0.3 | 5 | 3.2 | 0.4 | 6.1 | 4.1 | 0.6 | 6.3 | 4.3 | 0.8 |
| 112 | Lumbricals Of Hand | 4 | 0.6 | 0.3 | 4.5 | 0.6 | 0.3 | 5.7 | 1.4 | 0.5 | 5.9 | 1.6 | 0.6 |
| 113 | Masseter | 3.5 | 2.6 | 0.3 | 3.5 | 2.7 | 0.3 | 4.4 | 3.5 | 0.5 | 4.6 | 3.7 | 0.7 |
| 114 | Medial Pterygoid | 1.8 | 0.9 | 0.2 | 1.9 | 1 | 0.2 | 3 | 2 | 0.4 | 3.2 | 2.2 | 0.5 |
| 115 | Medial Rectus | 2.8 | 1 | 0.4 | 2.9 | 1.1 | 0.4 | 4 | 2.1 | 0.6 | 4.2 | 2.3 | 0.7 |
| 116 | Mentalis | 2 | 1.6 | 0.3 | 2.1 | 1.7 | 0.4 | 3.1 | 2.5 | 0.6 | 3.3 | 2.7 | 0.7 |
| 117 | M. Uvulae | 1.6 | 0.4 | 0.3 | 1.7 | 0.6 | 0.4 | 2.6 | 1.3 | 0.5 | 2.8 | 1.5 | 0.6 |
| 118 | Mylohyoid | 4.8 | 3 | 0.3 | 4.9 | 3 | 0.3 | 6 | 4 | 0.5 | 6.2 | 4.2 | 0.7 |
| 119 | Nasalis | 2.4 | 1.6 | 0.2 | 2.5 | 1.7 | 0.3 | 3.2 | 2.2 | 0.5 | 3.3 | 2.4 | 0.6 |
| 120 | Oblique Arytenoid | 2.3 | 1.1 | 0.2 | 2.4 | 1.2 | 0.2 | 3.4 | 2.1 | 0.4 | 3.6 | 2.3 | 0.5 |
| 121 | Obliquus Capitis Inferior | 2 | 1.1 | 0.2 | 2.1 | 1.2 | 0.3 | 3.2 | 2.1 | 0.5 | 3.3 | 2.2 | 0.6 |
| 122 | Obliquus Capitis Superior | 2.1 | 2 | 0.3 | 2.2 | 2.1 | 0.3 | 3.1 | 3 | 0.5 | 3.3 | 3.1 | 0.6 |
| 123 | Obturator Externus | 3.9 | 0.8 | 0.2 | 4.2 | 0.9 | 0.3 | 5.1 | 1.7 | 0.5 | 5.3 | 1.9 | 0.5 |
| 124 | Obturator Internus | 4 | 1 | 0.2 | 4.3 | 1.2 | 0.3 | 5.2 | 2.1 | 0.5 | 5.4 | 2.3 | 0.7 |
| 126 | Omohyoid | 15 | 2.1 | 0.3 | 15.2 | 2.2 | 0.4 | 16.1 | 3.1 | 0.6 | 16.3 | 3.3 | 0.7 |
| 127 | Opponens Digiti Minimi (Hand) | 5 | 2 | 0.2 | 5.5 | 2.5 | 0.3 | 6.4 | 3.3 | 0.5 | 6.6 | 3.5 | 0.7 |
| 128 | Opponens Pollicis | 5 | 3.5 | 0.2 | 5.5 | 4 | 0.3 | 6.2 | 5 | 0.5 | 6.4 | 5.2 | 0.6 |
| 129 | Orbicularis Oculi | 2.7 | 2.7 | 0.3 | 2.8 | 2.8 | 0.4 | 4 | 3.7 | 0.6 | 4.2 | 3.9 | 0.7 |
| 130 | Orbicularis Oris | 5 | 4.2 | 0.3 | 5.1 | 4.3 | 0.3 | 6 | 5.1 | 0.5 | 6.2 | 5.3 | 0.6 |
| 131 | Palatoglossus | 4.3 | 3 | 0.3 | 4.4 | 3 | 0.4 | 5.3 | 4 | 0.6 | 5.5 | 4 | 0.7 |
| 132 | Palatopharyngeus | 1.7 | 0.4 | 0.2 | 1.7 | 0.5 | 0.2 | 2.7 | 1.2 | 0.4 | 2.9 | 1.4 | 0.5 |
| 133 | Palmaris Brevis | 3.5 | 2 | 0.2 | 4 | 2.5 | 0.3 | 5 | 3.3 | 0.5 | 5.3 | 3.5 | 0.6 |
| 134 | Palmar Interossei | 4.5 | 1 | 0.2 | 5 | 1.5 | 0.3 | 6 | 2.2 | 0.5 | 6.2 | 2.4 | 0.6 |
| 134 | Palmaris Longus | 28 | 1.5 | 0.3 | 29 | 2 | 0.4 | 30.1 | 3 | 0.6 | 30.3 | 3.2 | 0.7 |
| 135 | Pectineus | 15 | 2.5 | 0.4 | 15.5 | 3 | 0.5 | 16.3 | 4 | 0.7 | 16.5 | 4.2 | 0.8 |
| 136 | Pectoralis Major | 17 | 14 | 0.5 | 17.5 | 14 | 0.5 | 18.3 | 15 | 0.7 | 18.5 | 15.2 | 0.8 |
| 137 | Pectoralis Minor | 14 | 10 | 0.4 | 14.5 | 10.5 | 0.4 | 15.4 | 11.2 | 0.6 | 15.5 | 11.4 | 0.7 |
| 138 | Peroneus Brevis | 36 | 5 | 0.7 | 36.5 | 5 | 0.8 | 37.4 | 6 | 1 | 30.6 | 6.2 | 1.2 |
| 139 | Peroneus Longus | 40 | 6 | 0.7 | 40.5 | 6 | 0.8 | 41.5 | 6.9 | 1 | 41.7 | 7 | 1.1 |
| 140 | Peroneus Tertius | 16 | 1.2 | 0.3 | 16.3 | 1.3 | 0.4 | 17.2 | 2.1 | 0.5 | 17.4 | 2.3 | 0.6 |
| 141 | Piriformis | 6 | 1.5 | 0.2 | 6.3 | 1.6 | 0.3 | 7.2 | 2.4 | 0.5 | 7.4 | 2.5 | 0.6 |
| 143 | Plantaris | 44 | 2 | 0.2 | 44.6 | 2.3 | 0.2 | 45.5 | 3.1 | 0.4 | 45.7 | 3.3 | 0.5 |
| 144 | Platysma | 14 | 6.5 | 0.3 | 14.3 | 6.6 | 0.4 | 15.2 | 7.3 | 0.6 | 15.4 | 7.4 | 0.7 |
| 145 | Popliteus | 4.7 | 4.5 | 0.4 | 4.7 | 4.6 | 0.5 | 5.8 | 5.3 | 0.6 | 5.9 | 5.4 | 0.7 |
| 146 | Posterior Cricoarytenoid | 1.7 | 0.5 | 0.2 | 1.8 | 0.6 | 0.3 | 2.8 | 1.6 | 0.5 | 2.9 | 1.8 | 0.6 |
| 147 | Procerus | 1.1 | 0.4 | 0.2 | 1.1 | 0.4 | 0.3 | 2.1 | 1.3 | 0.5 | 2.3 | 1.5 | 0.6 |
| 148 | Pronator Quadratus | 5 | 4 | 0.4 | 5.5 | 4 | 0.4 | 6.2 | 5 | 0.6 | 6.4 | 5.2 | 0.7 |
| 149 | Pronator Teres | 17 | 2.5 | 0.9 | 17 | 3 | 0.9 | 18 | 3.8 | 1.2 | 18.2 | 4 | 1.4 |
| 150 | Psoas Major | 28 | 9 | 0.7 | 28.3 | 9.2 | 0.8 | 29.2 | 10 | 1 | 29.4 | 10.2 | 1.2 |


| 151 | Psoas Minor | 24 | 3 | 0.4 | 24.2 | 3.2 | 0.5 | 25 | 4 | 0.7 | 25.2 | 4.2 | 0.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 152 | Pyramidalis | 1.8 | 1 | 0.3 | 1.9 | 1.1 | 0.3 | 3 | 2 | 0.5 | 3.2 | 2.2 | 0.6 |
| 153 | Quadratus Femoris | 5 | 4.5 | 0.4 | 5.3 | 4.7 | 0.5 | 6.4 | 5.4 | 0.7 | 6.6 | 5.6 | 0.8 |
| 154 | Quadratus Lumborum | 12 | 5.5 | 0.7 | 12.2 | 5.6 | 0.8 | 13.1 | 6.3 | 1 | 13.3 | 6.5 | 1.2 |
| 155 | Quadratus Plantae | 5 | 2.5 | 0.4 | 5.1 | 2.6 | 0.4 | 6 | 3.2 | 0.6 | 6.2 | 3.4 | 0.7 |
| 156 | Rectus Abdominis | 24 | 8 | 0.3 | 24.5 | 8.3 | 0.4 | 25.4 | 9.1 | 0.6 | 25.6 | 9.3 | 0.7 |
| 157 | Rectus Capitus Anterior | 1 | 0.4 | 0.3 | 1.1 | 0.4 | 0.3 | 2 | 1.3 | 0.5 | 2.2 | 1.5 | 0.6 |
| 158 | Rectus Capitus Lateralis | 1 | 0.3 | 0.3 | 1.1 | 0.3 | 0.3 | 2 | 1.2 | 0.5 | 2.1 | 1.4 | 0.6 |
| 159 | Rectus Capitus Posterior Major | 2.6 | 0.7 | 0.3 | 2.7 | 0.7 | 0.3 | 5.5 | 1.6 | 0.5 | 5.7 | 1.8 | 0.6 |
| 160 | Rectus Capitus Posterior Minor | 1.2 | 0.4 | 0.2 | 1.3 | 0.4 | 0.2 | 2.2 | 1.3 | 0.4 | 2.4 | 1.5 | 0.5 |
| 161 | Rectus Femoris | 41 | 4 | 0.3 | 42 | 5 | 0.4 | 43 | 6 | 0.6 | 43.2 | 6.2 | 0.7 |
| 162 | Rhomboid Major | 8 | 5 | 0.3 | 8.5 | 5 | 0.4 | 9.3 | 6 | 0.6 | 9.5 | 6.2 | 0.7 |
| 163 | Rhomboid Minor | 7 | 2 | 0.3 | 7.5 | 2.5 | 0.4 | 8.3 | 3.4 | 0.6 | 8.5 | 3.6 | 0.7 |
| 164 | Risorius | 2.5 | 0.8 | 0.2 | 2.6 | 0.9 | 0.3 | 3.4 | 2.8 | 0.5 | 3.6 | 2.9 | 0.6 |
| 165 | Salpingopharyngeus | 2.6 | 0.6 | 0.3 | 2.7 | 0.7 | 0.4 | 3.5 | 1.6 | 0.6 | 3 | 1.8 | 0.7 |
| 166 | Sartorius | 46 | 3 | 0.4 | 48 | 3.5 | 0.4 | 49 | 4.4 | 0.6 | 49.3 | 4.6 | 0.7 |
| 167 | Scalenus Anterior | 2.8 | 1 | 0.4 | 2.8 | 1.1 | 0.4 | 3.7 | 2 | 0.6 | 3.9 | 2.2 | 0.7 |
| 168 | Scalenus Medius | 3 | 1.2 | 0.4 | 3 | 1.3 | 0.4 | 4 | 2.1 | 0.6 | 4.2 | 2.3 | 0.7 |
| 169 | Scalenus Minimus | 2.3 | 0.8 | 0.3 | 2.4 | 0.9 | 0.3 | 3.3 | 1.8 | 0.5 | 3.4 | 2 | 0.6 |
| 170 | Scalenus Posterior | 3.2 | 1.3 | 0.4 | 3.2 | 1.4 | 0.4 | 4 | 2.3 | 0.5 | 4.2 | 2.5 | 0.6 |
| 171 | Semimembranosus | 32 | 5 | 0.4 | 32.4 | 5 | 0.4 | 33.3 | 6 | 0.6 | 33.5 | 6.1 | 0.7 |
| 172 | Semitendinosus | 36 | 6.5 | 0.4 | 36.7 | 6.7 | 0.4 | 37.6 | 7.5 | 0.6 | 37.8 | 7.7 | 0.7 |
| 173 | Serratus Anterior | 32 | 12 | 0.2 | 32.5 | 12 | 0.2 | 33.4 | 12.9 | 0.4 | 33.5 | 13 | 0.5 |
| 174 | Serratus Posterior Inferior | 5.8 | 4.7 | 0.6 | 5.9 | 4.8 | 0.7 | 7 | 5.5 | 0.9 | 7.1 | 5.7 | 1.1 |
| 175 | Serratus Posterior Superior | 5.6 | 4.5 | 0.5 | 5.7 | 4.6 | 0.6 | 6.5 | 5.4 | 0.8 | 6.7 | 5.6 | 1 |
| 176 | Soleus | 38 | 11 | 0.7 | 38.5 | 11 | 0.8 | 39.4 | 11.9 | 1 | 39.6 | 12 | 1.2 |
| 179 | Splenius Capitis | 5 | 3 | 0.3 | 5.2 | 3.1 | 0.4 | 6 | 4 | 0.6 | 6.2 | 4.1 | 0.7 |
| 180 | Splenius Cervicis | 5 | 2.4 | 0.3 | 5.2 | 2.5 | 0.4 | 6 | 3.2 | 0.6 | 6.2 | 3.4 | 0.7 |
| 181 | Stapedius (approx) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 182 | Sternocleidomastoid | 10 | 3 | 0.7 | 10.2 | 3.1 | 0.8 | 11 | 4 | 1 | 11.2 | 4.2 | 1.2 |
| 183 | Sternohyoid | 3.4 | 1 | 0.3 | 3.5 | 1.1 | 0.4 | 4.4 | 2 | 0.6 | 4.6 | 2.2 | 0.7 |
| 184 | Sternothyroid | 3.4 | 1.2 | 0.3 | 3.5 | 1.3 | 0.4 | 4.3 | 2.1 | 0.6 | 4.5 | 2.3 | 0.7 |
| 185 | Styloglossus | 2.4 | 0.4 | 0.2 | 2.5 | 0.5 | 0.3 | 3.4 | 1.3 | 0.5 | 3.6 | 1.5 | 0.6 |
| 186 | Stylohyoid | 1.7 | 0.5 | 0.2 | 1.7 | 0.6 | 0.2 | 2.6 | 1.5 | 0.4 | 2.7 | 1.6 | 0.5 |
| 187 | Stylohyoid (Anterior View) | 1.6 | 0.5 | 0.2 | 1.6 | 0.6 | 0.2 | 2.4 | 1.4 | 0.4 | 2.6 | 1.6 | 0.5 |
| 188 | Stylopharyngeus | 1.4 | 0.4 | 0.2 | 1.5 | 0.5 | 0.3 | 2.4 | 1.3 | 0.5 | 2.6 | 1.5 | 0.6 |
| 189 | Subclavius | 4 | 1 | 0.2 | 4.5 | 1.5 | 0.3 | 5.3 | 2.3 | 0.5 | 5.5 | 2.5 | 0.7 |
| 190 | Subcostalis | 3 | 1 | 0.2 | 3.2 | 1.2 | 0.3 | 4 | 2 | 0.5 | 4.2 | 2.2 | 0.6 |
| 191 | Subscapularis | 16 | 8 | 0.3 | 16 | 8.5 | 0.3 | 17 | 9.2 | 0.5 | 17.2 | 9.4 | 0.6 |
| 192 | Superficial Transverse | 3.3 | 0.8 | 0.3 | 3.3 | 0.9 | 0.3 | 4.2 | 2.6 | 0.5 | 4.4 | 2.8 | 0.6 |
| 194 | Superior Oblique | 2.9 | 1 | 0.3 | 3 | 1.1 | 0.4 | 4 | 2 | 0.6 | 4.2 | 2.2 | 0.7 |
| 195 | Superior Rectus | 3.2 | 1.2 | 0.4 | 3.3 | 1.3 | 0.4 | 4.1 | 2 | 0.6 | 4.3 | 2.2 | 0.7 |
| 196 | Supinator | 10 | 4 | 0.3 | 10.5 | 4.5 | 0.4 | 11.4 | 5.3 | 0.6 | 11.6 | 5.5 | 0.7 |
| 197 | Supraspinatus | 11 | 5 | 0.3 | 11.5 | 5.5 | 0.4 | 12.4 | 6.4 | 0.6 | 12.6 | 6.6 | 0.7 |
| 198 | Temporalis | 10 | 8 | 0.2 | 10.5 | 8.4 | 0.3 | 11.4 | 9.2 | 0.5 | 11.6 | 9.4 | 0.6 |
| 199 | Temporoparietalis | 10.2 | 8.4 | 0.2 | 10.4 | 8.7 | 0.3 | 11.2 | 9.2 | 0.5 | 11.4 | 9.4 | 0.6 |
| 200 | Tensor Fasciae Lata | 15 | 3 | 0.5 | 15.5 | 3.5 | 0.6 | 16.3 | 4.2 | 0.8 | 16.5 | 4.4 | 1 |
| 201 | Tensor Tympani | 2.4 | 0.4 | 0.2 | 2.6 | 0.5 | 0.3 | 3.4 | 1.3 | 0.5 | 3.6 | 1.5 | 0.6 |
| 202 | Tensor Veli Palatini | 4.2 | 1.8 | 0.2 | 4.5 | 2 | 0.3 | 5.3 | 3 | 0.5 | 5.5 | 3.2 | 0.6 |


| 203 | Teres Major | 14 | 5 | 0.3 | 14.5 | 5 | 0.4 | 15.4 | 5.8 | 0.6 | 15.6 | 6 | 0.7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 204 | Teres Minor | 7 | 5 | 0.3 | 7.5 | 5.5 | 0.4 | 8.4 | 6.2 | 0.6 | 8.6 | 6.4 | 0.7 |
| 205 | Thyro-Arytenoid \& Vocalis | 0.9 | 0.4 | 0.2 | 1 | 0.5 | 0.3 | 2 | 1.2 | 0.5 | 2.2 | 1.4 | 0.6 |
| 206 | Thyro-Epiglotticus | 1 | 0.6 | 0.2 | 1.4 | 0.7 | 0.3 | 2.3 | 1.4 | 0.5 | 2.5 | 1.6 | 0.6 |
| 207 | Thyrohyoid | 3 | 2 | 0.2 | 3.4 | 2.3 | 0.3 | 4.2 | 3 | 0.5 | 4.4 | 3.2 | 0.6 |
| 208 | Tibialis Anterior | 28 | 6 | 0.3 | 28.7 | 6.4 | 0.4 | 29.5 | 7.2 | 0.6 | 29.7 | 7.4 | 0.7 |
| 209 | Tibialis Posterior | 26 | 5 | 0.3 | 26.6 | 5.5 | 0.4 | 27.4 | 6.2 | 0.6 | 27.6 | 6.4 | 0.7 |
| 210 | Transverse Arytenoid | 3.5 | 1.5 | 0.2 | 3.7 | 1.7 | 0.3 | 4.4 | 2.4 | 0.5 | 4.6 | 2.6 | 0.6 |
| 211 | Transversospinalis -Multifidus | 32 | 2 | 0.2 | 32.4 | 2.4 | 0.3 | 33.3 | 3.1 | 0.5 | 33.5 | 3.3 | 0.6 |
| 212 | Transversospinalis -Rotatores | 33.2 | 1.9 | 0.2 | 33.4 | 2 | 0.3 | 34.2 | 2.7 | 0.5 | 34.4 | 2.9 | 0.6 |
| 213 | Transversospinalis -Semispinalis | 34 | 1.6 | 0.2 | 34.4 | 1.8 | 0.3 | 35.3 | 2.5 | 0.5 | 35.5 | 2.7 | 0.6 |
| 214 | Transversus Abdominis | 21 | 10 | 0.2 | 21.6 | 10.4 | 0.3 | 22.3 | 11.1 | 0.5 | 22.5 | 11.3 | 0.7 |
| 215 | Transversus Thoracis | 8 | 5 | 0.2 | 8.4 | 5.5 | 0.3 | 9.3 | 6.2 | 0.5 | 9.5 | 6.4 | 0.6 |
| 216 | Trapezius | 30 | 21 | 0.2 | 30 | 21.5 | 0.3 | 30.9 | 22.4 | 0.5 | 31 | 22.6 | 0.6 |
| 217 | Triceps | 22 | 6 | 1 | 22.5 | 6.5 | 1 | 23.5 | 7.2 | 1.3 | 23.7 | 7.4 | 1.5 |
| 218 | Vastus Intermedius | 36 | 8 | 2 | 37 | 8.5 | 2.2 | 38 | 9.3 | 2.4 | 38.2 | 9.5 | 2.5 |
| 219 | Vastus Lateralis | 37 | 6.5 | 1.5 | 38 | 7 | 1.7 | 38.9 | 8 | 1.9 | 39 | 8.2 | 2 |
| 220 | Vastus Medialis | 30 | 7 | 1.7 | 31 | 7.5 | 1.9 | 32 | 8.3 | 2.2 | 32.2 | 8.5 | 2.4 |
| 221 | Zygomaticus Major | 6 | 1 | 0.2 | 6.5 | 1.4 | 0.3 | 7.3 | 2.2 | 0.5 | 7.5 | 2.4 | 0.6 |
| 222 | Zygomaticus Minor | 5 | 0.7 | 0.2 | 5.4 | 0.8 | 0.3 | 6.3 | 1.6 | 0.5 | 6.5 | 1.8 | 0.6 |

(Table No. 02 ) REGION WISE CLASSIFICATION OF MUSCLES ACCORDING TO THE TYPE OF PESHI SWAROOP

|  |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SR. NO. | Region | Muscle name | Bahala | Pelav | Sthula | Anu | Pruthu | Vritta | Hrasva | Dirgha | Sthira | Mrudu | Shlakshna | Karkasha |
| BAHU (UPPER LIMB) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | BA | Abductor Digiti Minimi (Foot) | - | - | - | - | $\cdot$ | - | $\checkmark$ | - | - | - | - | - |
| 2 | BA | Abductor Digiti Minimi (Hand) | - | - | - | - | - | - | $\checkmark$ | - | - | - | $\cdot$ | - |
| 3 | BA | Abductor Pollicis Brevis | - | - | - | - | - | - | $\checkmark$ | - | - | - | $\cdot$ | $\cdot$ |
| 4 | BA | Adductor Pollicis | $\cdot$ | $\checkmark$ | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 5 | BA | Anconeus | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 6 | BA | Adductor Longus | - | - | . | - | $\cdot$ | - | - | $\checkmark$ | - | - | $\cdot$ | - |
| 7 | BA | Biceps Brachii | $\checkmark$ | - | - | - | - | . | - | $\checkmark$ | - | $\checkmark$ | . | $\cdot$ |
| 8 | BA | Brachialis | $\cdot$ | - | $\checkmark$ | - | - | - | $\cdot$ | $\checkmark$ | - | - | . | . |
| 9 | BA | Brachioradialis | - | - | - | - | - | - | $\cdot$ | $\checkmark$ | - | - | - | - |
| 10 | BA | Coracobrachialis | - | - | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | - | - | - | . |
| 11 | BA | Deltoid | $\checkmark$ | - | $\checkmark$ | - | - | - | $\cdot$ | $\cdot$ | - | - | - | - |
| 12 | BA | Dorsal Interossei | - | - | - | $\checkmark$ | - | . | $\checkmark$ | - | - | - | - | - |
| 13 | BA | Extensor Carpi Radialis Brevis | - | - | - | $\cdot$ | - | - | - | $\checkmark$ | - | - | - | - |
| 14 | BA | Extensor Carpi Radialis Longus | - | - | - | - | - | - | - | $\checkmark$ | - | - | - | $\cdot$ |
| 15 | BA | Extensor Carpi Ulnaris | - | - | - | - | - | - | - | $\checkmark$ | - | - | - | - |
| 16 | BA | Extensor Digiti Minimi (Hand) | - | - | - | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | - |
| 17 | BA | Extensor Digitorum (Hand) | $\checkmark$ | $\cdot$ | - | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | - |
| 18 | BA | Extensor Indicis | - | $\checkmark$ | - | - | $\cdot$ | - | - | $\checkmark$ | - | - | - | - |
| 19 | BA | Extensor Pollicis Brevis | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | - | - |
| 20 | BA | Extensor Pollicis Longus | $\cdot$ | $\checkmark$ | $\cdot$ | - | $\cdot$ | $\cdot$ | . | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | - |


| 21 | BA | Flexor Carpi Radialis | - | $\checkmark$ | - | - | - | - | - | $\checkmark$ | - | - | - | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22 | BA | Flexor Carpi Ulnaris | $\bullet$ | $\checkmark$ | - | - | - | - | - | $\checkmark$ | - | - | - | - |
| 23 | BA | Flexor Digiti Minimi Brevis (Hand) | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 24 | BA | Flexor Digitorum Profundus | $\checkmark$ | - | - | - | - | - | - | $\checkmark$ | - | - | - | - |
| 25 | BA | Flexor Digitorum Superficialis | - | - | - | - | - | - | - | $\checkmark$ | - | - | - | - |
| 26 | BA | Flexor Pollicis Brevis | - | - | - | $\cdot$ | - | - | $\checkmark$ | - | - | - | - | - |
| 27 | BA | Flexor Pollicis Longus | - | - | - | $\cdot$ | - | - | - | $\checkmark$ | - | - | - | - |
| 28 | BA | Lumbricals Of Hand | - | - | - | $\checkmark$ | - | - | $\checkmark$ | - | - | - | - | - |
| 29 | BA | Opponens Digiti Minimi (Hand) | - | - | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | - | - |
| 30 | BA | Opponens Pollicis | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 31 | BA | Palmaris Brevis | - | $\checkmark$ | - | - | - | - | - | - | - | - | - | - |
| 32 | BA | Palmar Interossei | - | - | - | $\checkmark$ | - | - | $\checkmark$ | - | - | - | - | - |
| 34 | BA | Palmaris Longus | - | - | - | $\cdot$ | $\cdot$ | - | - | - | $\checkmark$ | - | - | - |
| 35 | BA | Pronator Quadratus | - | - | - | - | $\checkmark$ | - | $\cdot$ | - | $\cdot$ | - | - | - |
| 36 | BA | Pronator Teres | - | - | - | - | - | . | $\checkmark$ | - | - | - | - | - |
| 37 | BA | Supinator | $\cdot$ | - | - | - | - | - | $\checkmark$ | $\cdot$ | - | $\cdot$ | - | - |
| 38 | BA | Triceps | $\checkmark$ | - | - | - | - | - | $\cdot$ | $\checkmark$ | - | $\checkmark$ | - | - |
| 39 | BA | Abductor Pollicis Longus | $\cdot$ | - | $\cdot$ | - | $\cdot$ | - | - | $\checkmark$ | - | $\cdot$ | - | - |
| SAKTHI (LOWER LIMB) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40 | SA | Abductor Hallucis | - | - |  |  | $\cdot$ | - | $\checkmark$ | - | $\cdot$ | - | - | - |
| 41 | SA | Adductor Brevis | - | - | $\cdot$ | - | - | - | $\checkmark$ | - | $\cdot$ | - | - | - |
| 42 | SA | Adductor Hallucis | - | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\checkmark$ | - | $\cdot$ | - | - | - |
| 43 | SA | Adductor Magnus | $\checkmark$ | - | - | - | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | - | - | - |
| 44 | SA | Biceps Femoris | $\checkmark$ | - | - | - | - | $\cdot$ | - | $\checkmark$ | - | - | - | - |
| 45 | SA | Bulbospongiosus | - | - | - | - | - | $\checkmark$ | - | $\cdot$ | - | - | - | - |
| 46 | SA | Extensor Digitorum Brevis (Foot) | - | - | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | - | - |
| 47 | SA | Extensor Digitorum Longus (Foot) | - | - | - | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | - |
| 48 | SA | Extensor Hallucis Longus | - | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | - | $\cdot$ |
| 49 | SA | Deep Transverse Perinei | - | $\checkmark$ | $\cdot$ | $\cdot$ | - | - | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 50 | SA | Flexor Digiti Minimi Brevis (Foot) | - | - | - | - | - | - | $\checkmark$ | - | - | $\cdot$ | - | - |
| 51 | SA | Flexor Digitorum Brevis | - | - | - | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | - | - |
| 52 | SA | Flexor Digitorum Longus (Foot) | $\checkmark$ | - | - | $\cdot$ | $\cdot$ | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | - | $\cdot$ |
| 53 | SA | Flexor Hallucis Brevis | - | - | $\cdot$ | $\cdot$ | - | - | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ |
| 54 | SA | Flexor Hallucis Longus | - | - | $\cdot$ | - | - | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 55 | SA | Gastrocnemius | $\checkmark$ | - | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\checkmark$ | - | $\cdot$ |
| 56 | SA | Gemellus Inferior | - | - | $\cdot$ | - | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 57 | SA | Gemellus Superior | - | - | $\cdot$ | - | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ |
| 58 | SA | Gluteus Maximus | $\checkmark$ | - | $\checkmark$ | $\cdot$ | - | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ |
| 59 | SA | Gluteus Medius | $\checkmark$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ |
| 60 | SA | Gluteus Minimus | $\checkmark$ | - | $\cdot$ | - | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | - | $\cdot$ |
| 61 | SA | Gracilis | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | - | $\cdot$ | - | $\checkmark$ | - | $\cdot$ | - | - |
| 62 | SA | Iliacus | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 63 | SA | Ishiocavernosus | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ |


| 64 | SA | Levator Ani-Coccygeus | - | - | - | - | $\checkmark$ | - | - | - | - | - | - | - |
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| 65 | SA | Levator Ani - Iliococcygeus | - | - | - | - | $\checkmark$ | - | - | - | - | - | - | - |
| 66 | SA | Levator Ani-Pubococcygeus | - | - | - | - | $\checkmark$ | - | - | - | - | - | - | - |
| 67 | SA | Levator Ani-Puborectalis | - | - | - | - | $\checkmark$ | - | - | - | - | - | - | - |
| 68 | SA | Levator Ani-Pubovaginalis | $\cdot$ | - | $\cdot$ | - | $\checkmark$ | - | - | - | - | - | - | $\cdot$ |
| 69 | SA | Interossei - Plantar Of Foot | - | - | . | - | $\checkmark$ | - | $\checkmark$ | - | . | . | - | - |
| 70 | SA | Lumbricals Of Foot (4) | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | - | - | $\checkmark$ | - | . | - | - | $\cdot$ |
| 71 | SA | Obturator Externus | $\cdot$ | $\checkmark$ | $\cdot$ | - | $\cdot$ | - | $\cdot$ | . | - | - | - | - |
| 72 | SA | Obturator Internus | $\cdot$ | $\cdot$ | $\cdot$ | - | $\checkmark$ | . | $\cdot$ | - | - | - | - | - |
| 73 | SA | Pectineus | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | - | - | $\cdot$ | - | - |
| 74 | SA | Peroneus Brevis | $\cdot$ | - | $\cdot$ | - | - | . | - | $\checkmark$ | - | - | - | - |
| 75 | SA | Peroneus Longus | - | - | - | - | - | . | $\cdot$ | $\checkmark$ | - | - | - | $\cdot$ |
| 76 | SA | Peroneus Tertius | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 77 | SA | Piriformis | $\cdot$ | - | - | - | - | - | $\checkmark$ | - | $\cdot$ | - | $\cdot$ | $\cdot$ |
| 78 | SA | Plantaris | - | - | - | - | - | - | . | - | $\checkmark$ | - | - | - |
| 79 | SA | Quadratus Femoris | $\cdot$ | - | $\checkmark$ | - | $\checkmark$ | $\cdot$ | - | $\checkmark$ | - | - | $\cdot$ | $\cdot$ |
| 80 | SA | Quadratus Plantae | $\cdot$ | - | $\cdot$ | - | $\checkmark$ | $\cdot$ | - | $\cdot$ | - | - | - | $\cdot$ |
| 81 | SA | Popliteus | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | - | - | - | $\cdot$ |
| 82 | SA | Sartorius | $\cdot$ | - | - | - | $\cdot$ | $\cdot$ | - | $\checkmark$ | - | - | $\cdot$ | $\cdot$ |
| 83 | SA | Semimembranosus | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 84 | SA | Semitendinosus | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 85 | SA | Superficial Transverse | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\checkmark$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\cdot$ |
| 86 | SA | Tensor Fasciae Lata | - | $\cdot$ | . | $\cdot$ | - | - | $\checkmark$ | $\cdot$ | - | - | - | $\cdot$ |
| 87 | SA | Tibialis Anterior | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 88 | SA | Tibialis Posterior | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | - | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 89 | SA | Vastus Intermedius | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ |
| 90 | SA | Vastus Lateralis | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 91 | SA | Vastus Medialis | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 92 | SA | Soleus | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ |
| 93 | SA | Articularis Genu | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| SHIRO GREEVA (HEAD \& NECK) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 94 | SG | Auricularis | - | - |  |  | $\cdot$ |  | $\checkmark$ | - | - | - | $\checkmark$ | - |
| 95 | SG | Buccinator | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 96 | SG | Constrictor Of Pharynx -Inferior | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ |
| 97 | SG | Constrictor Of Pharynx -Middle | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | - | - | $\cdot$ | $\checkmark$ |
| 98 | SG | Constrictor Of Pharynx -Superior | $\cdot$ | $\checkmark$ | $\cdot$ | - | - | $\cdot$ | $\cdot$ | $\cdot$ | - | - | $\cdot$ | $\checkmark$ |
| 99 | SG | Corrugator Supercilii | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | - | $\checkmark$ | $\cdot$ | - | - | $\checkmark$ | $\cdot$ |
| 100 | SG | Cricothyroid | - | $\cdot$ | - | - | - | - | $\checkmark$ | - | - | - | $\cdot$ | $\cdot$ |
| 101 | SG | Depressor Anguli Oris | $\cdot$ | $\checkmark$ | - | - | - | - | $\cdot$ | - | - | - | $\checkmark$ | $\cdot$ |
| 102 | SG | Depressor Labii Inferioris | - | $\checkmark$ | $\cdot$ | - | - | - | - | - | - | - | $\checkmark$ | $\cdot$ |
| 103 | SG | Frontalis | $\cdot$ | $\cdot$ | - | - | - | - | $\cdot$ | - | - | - | $\checkmark$ | - |
| 104 | SG | Genioglossus | - | - | $\cdot$ | - | - | - | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 105 | SG | Geniohyoid | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ |  | . |


| 106 | SG | Hyoglossus | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
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| 107 | SG | Inferior Oblique | - | - | - | $\checkmark$ | - | - | $\checkmark$ | - | - | - | - | - |
| 108 | SG | Intrinsic Muscles Of Tongue | - | - | - | - | - | - | - | $\cdot$ | - | $\cdot$ | - | $\cdot$ |
| 109 | SG | Lateral Cricoarytenoid | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 110 | SG | Lateral Pterygoid | $\cdot$ | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 111 | SG | Lateral Rectus | - | - | $\cdot$ | - | $\checkmark$ | - | $\checkmark$ | - | $\cdot$ | $\cdot$ | $\cdot$ | - |
| 112 | SG | Levator Anguli Oris | - | $\checkmark$ | - | - | $\cdot$ | - | - | - | - | $\cdot$ | $\checkmark$ | - |
| 113 | SG | Levator Labii Superioris | - | $\cdot$ | - | - | - | - | $\checkmark$ | - | - | - | $\checkmark$ | - |
| 114 | SG | Alaeque Nasi | $\cdot$ | - | . | $\cdot$ | - | - | $\checkmark$ | - | - | $\cdot$ | - | $\cdot$ |
| 115 | SG | Levator Palpebrae Superioris | - | - | - | $\checkmark$ | - | - | $\checkmark$ | $\cdot$ | - | - | - | - |
| 116 | SG | Masseter | $\cdot$ | $\cdot$ | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 117 | SG | Medial Pterygoid | $\cdot$ | $\cdot$ | - | $\cdot$ | - | - | $\checkmark$ | $\cdot$ | - | . | - | - |
| 118 | SG | Medial Rectus | $\cdot$ | $\cdot$ | - | $\checkmark$ | - | - | $\checkmark$ | $\cdot$ | - | - | $\cdot$ | - |
| 119 | SG | Mentalis | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | - | $\checkmark$ | $\cdot$ | - | - | $\checkmark$ | - |
| 120 | SG | M. Uvulae | $\cdot$ | $\checkmark$ | - | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | - | - | - | $\cdot$ |
| 121 | SG | Mylohyoid | $\cdot$ | $\cdot$ | - | - | $\cdot$ | - | $\checkmark$ | $\cdot$ | - | - | - | - |
| 122 | SG | Nasalis | $\cdot$ | - | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | $\checkmark$ | - |
| 123 | SG | Oblique Arytenoid | $\cdot$ | - | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | - | - |
| 124 | SG | Obliquus Capitis Inferior | - | - | - | - | - | - | $\checkmark$ | - | - | $\cdot$ | - | $\cdot$ |
| 125 | SG | Obliquus Capitis Superior | - | - | - | - | - | - | $\checkmark$ | - | - | $\cdot$ | - | - |
| 126 | SG | Omohyoid | - | $\cdot$ | - | - | - | - | $\checkmark$ | - | - | $\cdot$ | - | $\cdot$ |
| 127 | SG | Levator Veli Palatini | - | $\checkmark$ | - | - | - | - | $\checkmark$ | - | - | - | - | $\cdot$ |
| 128 | SG | Longus Capitis | - | - | - | - | - | $\cdot$ | $\checkmark$ | $\cdot$ | - | - | - | - |
| 129 | SG | Orbicularis Oculi | - | - | - | - | - | $\checkmark$ | - | - | - | - | - | $\cdot$ |
| 130 | SG | Orbicularis Oris | - | $\cdot$ | - | - | - | $\checkmark$ | $\cdot$ | - | - | $\cdot$ | - | - |
| 131 | SG | Palatoglossus | - | $\checkmark$ | - | - | - | - | $\checkmark$ | $\cdot$ | $\cdot$ | - | - | $\cdot$ |
| 132 | SG | Palatopharyngeus | - | $\checkmark$ | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 133 | SG | Longus Colli | - | $\cdot$ | $\cdot$ | - | $\cdot$ | - | $\checkmark$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 134 | SG | Platysma | - | $\checkmark$ | - | - | $\checkmark$ | - | - | - | $\cdot$ | - | $\checkmark$ | $\cdot$ |
| 135 | SG | Posterior Cricoarytenoid | . | - | - | $\cdot$ | - | - | $\checkmark$ | - | - | - | - | - |
| 136 | SG | Procerus | - | - | $\cdot$ | $\checkmark$ | - | $\cdot$ | $\checkmark$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\cdot$ |
| 137 | SG | Rectus Capitus Anterior | $\cdot$ | - | - | $\checkmark$ | - | - | $\checkmark$ | - | - | $\cdot$ | - | - |
| 138 | SG | Rectus Capitus Lateralis | - | - | - | $\checkmark$ | - | - | $\checkmark$ | - | $\cdot$ | $\cdot$ | - | $\cdot$ |
| 139 | SG | Rectus Capitus Posterior Major | - | - | - | . | - | - | $\checkmark$ | - | - | - | - | - |
| 140 | SG | Rectus Capitus Posterior Minor | - | - | - | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | - | $\cdot$ | - |
| 141 | SG | Risorius | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | . | $\cdot$ | $\cdot$ | $\cdot$ |
| 142 | SG | Salpingopharyngeus | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - |
| 143 | SG | Splenius Capitis | - | - | - | - | $\checkmark$ | - | $\checkmark$ | $\cdot$ | - | $\cdot$ | - | - |
| 144 | SG | Splenius Cervicis | - | - | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ |
| 145 | SG | Stapedius (approx) | - | - | - | $\checkmark$ | $\cdot$ | - | - | $\cdot$ | - | - | - | - |
| 146 | SG | Sternocleidomastoid | $\checkmark$ | - | - | $\cdot$ | - | - | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | - |
| 147 | SG | Sternothyroid | - | $\cdot$ | - | - | - | - | $\checkmark$ | $\cdot$ | - | - | - | - |
| 148 | SG | Styloglossus | - | - | - | - | $\cdot$ | $\cdot$ | $\checkmark$ | - | - | - | - | $\cdot$ |


| 149 | SG | Stylohyoid | - | - | - | $\cdot$ | - | - | $\checkmark$ | - | - | - | - | - |
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| 150 | SG | Stylohyoid (Anterior View) | - | - | - | $\checkmark$ | - | - | $\checkmark$ | - | - | - | - | - |
| 151 | SG | Stylopharyngeus | - | - | - | $\cdot$ | - | - | $\checkmark$ | - | - | - | - | - |
| 152 | SG | Superior Oblique | - | - | - | $\checkmark$ | - | - | $\checkmark$ | - | - | - | - | - |
| 153 | SG | Superior Rectus | - | - | - | $\checkmark$ | - | - | $\checkmark$ | - | - | - | - | - |
| 154 | SG | Temporalis | - | - | - | - | $\checkmark$ | - | - | - | - | - | $\checkmark$ | - |
| 155 | SG | Temporoparietalis | - | - | - | $\cdot$ | - | - | - | - | - | - | $\checkmark$ | - |
| 156 | SG | Tensor Tympani | - | - | - | $\checkmark$ | - | - | - | - | - | - | - | - |
| 157 | SG | Tensor Veli Palatini | - | $\checkmark$ | - | $\cdot$ | - | $\cdot$ | $\checkmark$ | - | $\cdot$ | - | - | - |
| 158 | SG | Thyro-Arytenoid \& Vocalis | - | - | - | $\cdot$ | - | - | $\checkmark$ | - | - | - | - | - |
| 159 | SG | Thyro-Epiglotticus | - | - | - | $\checkmark$ | - | - | $\checkmark$ | - | - | - | - | - |
| 160 | SG | Thyrohyoid | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 161 | SG | Zygomaticus Major | $\cdot$ | - | - | - | - | - | $\checkmark$ | - | - | - | $\checkmark$ | - |
| 162 | SG | Zygomaticus Minor | $\cdot$ | - | - | - | - | - | $\checkmark$ | - | - | - | $\checkmark$ | - |
| 163 | SG | Transverse Arytenoid | - | - | - | . | - | - | $\checkmark$ | - | - | - | - | - |
| 164 | SG | Digastric | - | - | $\cdot$ | - | $\cdot$ | - | $\checkmark$ | - | - | - | - | $\cdot$ |
| ANTARADHI (THORAX \& BACK ) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165 | AN | Diaphragm | - | $\checkmark$ | $\cdot$ | - | $\checkmark$ | - | $\cdot$ | - | - | $\checkmark$ | - | - |
| 166 | AN | Dartos | $\cdot$ | $\checkmark$ | - | - | - | - | - | - | - | - | $\checkmark$ | - |
| 167 | AN | Cremaster | - | $\checkmark$ | - | - | - | - | - | $\cdot$ | - | - | $\checkmark$ | $\cdot$ |
| 168 | AN | Erector Spinae - Spinalis | - | - | - | - | - | $\cdot$ | - | - | - | - | - | $\checkmark$ |
| 169 | AN | Erector Spinae - Iliocostalis | - | - | - | - | - | $\cdot$ | - | - | - | - | - | $\checkmark$ |
| 170 | AN | Erector Spinae - Longissimus | - | - | - | $\cdot$ | - | - | - | - | - | - | $\cdot$ | $\checkmark$ |
| 171 | AN | External Oblique Abdominis | - | - | - | $\cdot$ | $\checkmark$ | - | $\cdot$ | - | - | - | $\checkmark$ | $\cdot$ |
| 172 | AN | Inferior Rectus | $\cdot$ | - | - | $\checkmark$ | - | $\cdot$ | $\checkmark$ | - | - | - | - | - |
| 173 | AN | Infraspinatus | - | $\cdot$ | - | - | - | $\cdot$ | $\checkmark$ | - | - | - | - | - |
| 174 | AN | Intercostals External | - | $\checkmark$ | - | - | - | $\cdot$ | $\checkmark$ | - | - | - | - | $\checkmark$ |
| 175 | AN | Intercostals Innermost | - | $\checkmark$ | - | $\cdot$ | - | - | $\checkmark$ | - | - | - | - | $\checkmark$ |
| 176 | AN | Intercostals Internal | - | $\checkmark$ | - | $\cdot$ | $\cdot$ | - | $\checkmark$ | - | - | $\cdot$ | $\cdot$ | $\checkmark$ |
| 177 | AN | Internal Oblique Abdominis | - | - | - | - | $\checkmark$ | - | - | - | $\cdot$ | - | $\checkmark$ | $\cdot$ |
| 178 | AN | Interspinales | $\bullet$ | - | - | - | - | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | - | $\checkmark$ |
| 179 | AN | Intertransversarii | $\cdot$ | - | - | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ |
| 180 | AN | Latissimus Dorsi | $\checkmark$ | - | - | - | $\checkmark$ | - | $\cdot$ | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ |
| 181 | AN | Levatores Costarum | $\checkmark$ | - | $\cdot$ | - | - | - | - | $\checkmark$ | - | $\cdot$ | $\cdot$ | $\cdot$ |
| 182 | AN | Pectoralis Major | $\checkmark$ | - | $\checkmark$ | - | $\checkmark$ | - | - | - | - | $\checkmark$ | $\cdot$ | - |
| 183 | AN | Pectoralis Minor | $\checkmark$ | - | $\checkmark$ | - | $\checkmark$ | - | - | $\cdot$ | - | $\checkmark$ | $\cdot$ | $\cdot$ |
| 184 | AN | Psoas Major | $\checkmark$ | $\cdot$ | - | $\cdot$ | - | - | $\cdot$ | $\checkmark$ | - | - | $\cdot$ | $\cdot$ |
| 185 | AN | Psoas Minor | $\checkmark$ | - | - | $\cdot$ | - | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 186 | AN | Pyramidalis | - | - | - | $\cdot$ | $\cdot$ | - | $\checkmark$ | $\cdot$ | - | - | - | - |
| 187 | AN | Quadratus Lumborum | - | $\cdot$ | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | - |
| 188 | AN | Rectus Abdominis | - | $\checkmark$ | - | - | - | - | $\cdot$ | $\checkmark$ | - | - | $\cdot$ | - |
| 189 | AN | Rectus Femoris | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\checkmark$ | - | - | $\cdot$ | - |
| 190 | AN | Rhomboid Major | $\cdot$ | $\cdot$ | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\checkmark$ | - | - | $\cdot$ | - | $\cdot$ |


| 191 | AN | Rhomboid Minor | - | - | - | - | - | $\cdot$ | $\checkmark$ | - | - | - | - | - |
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| 192 | AN | Scalenus Anterior | - | $\checkmark$ | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 193 | AN | Scalenus Medius | $\cdot$ | $\checkmark$ | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 194 | AN | Scalenus Minimus | $\cdot$ | $\checkmark$ | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 195 | AN | Scalenus Posterior | $\cdot$ | $\checkmark$ | - | - | - | . | $\checkmark$ | - | - | - | - | - |
| 196 | AN | Serratus Anterior | $\cdot$ | $\checkmark$ | $\cdot$ | - | $\checkmark$ | $\cdot$ | $\checkmark$ | - | - | - | - | $\checkmark$ |
| 197 | AN | Serratus Posterior Inferior | $\cdot$ | $\checkmark$ | $\cdot$ | - | $\checkmark$ | $\cdot$ | $\checkmark$ | - | - | - | $\cdot$ | $\cdot$ |
| 198 | AN | Serratus Posterior Superior | $\cdot$ | $\checkmark$ | - | - | $\checkmark$ | - | $\checkmark$ | - | - | - | - | - |
| 199 | AN | Sternohyoid | - | $\cdot$ | - | - | $\cdot$ | - | $\checkmark$ | - | - | - | $\cdot$ | - |
| 200 | AN | Subclavius | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 201 | AN | Subcostalis | - | - | - | - | - | - | $\cdot$ | - | - | - | - | - |
| 202 | AN | Supraspinatus | - | - | - | $\cdot$ | - | - | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | - |
| 203 | AN | Subscapularis | - | - | - | - | - | - | $\cdot$ | $\cdot$ | - | - | $\cdot$ | $\cdot$ |
| 204 | AN | Teres Major | - | - | - | - | - | - | $\checkmark$ | - | - | - | - | - |
| 205 | AN | Teres Minor | $\cdot$ | - | - | - | $\cdot$ | - | $\checkmark$ | - | - | - | $\cdot$ | $\cdot$ |
| 206 | AN | Levator Scapulae | $\cdot$ | - | - | $\cdot$ | $\cdot$ | - | $\checkmark$ | - | - | - | $\cdot$ | $\cdot$ |
| 207 | AN | Transversospinalis -Multifidus | $\cdot$ | - | - | $\checkmark$ | - | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 208 | AN | Transversospinalis -Rotatores | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | - | - | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| 209 | AN | Transversospinalis -Semispinalis | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | - | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ |
| 210 | AN | Transversus Abdominis | $\cdot$ | $\cdot$ | $\cdot$ | - | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ |
| 211 | AN | Transversus Thoracis | $\cdot$ | $\cdot$ | $\cdot$ | - | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ |
| 212 | AN | Trapezius | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\checkmark$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |

## BAHALA

[Fig. No. 01]


Trapezius Muscle


PELAV
[Fig. No. 02]


Flexor Carpi Radialis


Flexor Carpi Ulnaris

## STHULA

[Fig. No. 03]


Gluteus Maximus


Gluteus Maximus (Thickness)
[Fig. No. 04]


Lumbricals


Piriformis

PRUTHU
[Fig. No. 05]


Lattisimus Dorsi


## VRITTA



Orbicularis Oculi


## HRSWA

[Fig. No. 07]


Abductor Digiti Minimi

[Fig. No. 08]
DIRGHA


Sartorius


SHLAKSHNA
[Fig. No. 11]


External Oblique


KARKASHA


THE DISTRIBUTION MUSCLES OF HUMAN BODY ACCORDING TO VARIOUS TYPES OF PESHI SWAROOP


## DISCUSSION

## CONCEPTUAL DISCUSSION

- According to the ayurvedic literature, the term peshi has always been a subject of discourse. But, the characterstics of Peshi, which are described in the ayurvedic texts fully, satisfy the term 'Muscle' mentioned in the modern medical science.
- Acharya sushruta, Bhavaprakash \& Sharangadhar explained that the formation of peshis occur during the developmental period; the Vayu along with the Usma guna enters into the mamsa dhatu \& devides the mamsa into peshi.
- The term 'Mamsa' explains the general sense of muscular components in the body.
- Various acharyas have differences in opinion regarding the total number of peshis in the human body \& also the number of peshis that are present in each region. For example- Acharya Sushruta \& Ashtanga Sangraha opines that there are 500 peshis in the human body. On the contrary, Acharya Charak suggests that total numbers of peshis in the human body are 400 . ${ }^{2,3,4}$
- There is no specific enumeration available in the modern medical science regarding the total number of muscles in the human body. Recent data suggests that there could be around 600 to 850 muscles in the body, but most authors believe that the total numbers of muscles are approximately 640.
- Other than this, Acharya Sushruta also suggested a gender wise distribution for the total number of peshis. Wherein, he mentioned that peshis in males are $500, \&$ in females are 520 . Compared to males, females have 20 extra peshis which are said to be situated in the Stana (breast) \& Yoni pradesh (vagina).
- Their distribution is as follows -05 peshis in each breast, thus makes it a total of 10 in the stana; \& the other 10 peshis are situated in the yoni pradesh.


## The distribution of peshis in 'Stana'

03 peshis at the main Periphery of breast, as three layers of concentric rings from inside out, with the nipple in centre, $4^{\text {th }}$ peshi as the Tail of Spence $\& 5^{\text {th }}$ peshi as the Nipple itself. ${ }^{5}$

## The distribution of peshis in 'Yoni Pradesh'

$>$ Apathyapatha (vaginal tract) - 04 peshis, Grabhachiddra sanshrita (vaginal opening) - 03 peshis, Sukhra arthava Praveshini - 03 peshis
$>$ There is also a vast difference in the ancient \& modern views in relation to the number of peshis, based on their distribution on sadangas (six regions of the body).
$>$ According to modern medical science, the basis for the nomenclature of muscles suggests the following parameters-

1. Shape - suggests the shape of the muscle. For exDeltoid \& Orbicularis Oris
2. Size - suggests the size of the muscle, like- Major (big), Minor (small), Longus (long) \& Brevis (short). For ex - Pectoralis Major \& Palmaris Brevis
3. Number Of Heads Of Origin - suggests the number of heads of origin. For ex - Biceps Brachii \& Triceps Brachii.
4. Action - suggests the locomotive action performed by the muscle, like- Extensor, Flexor, adductor, Abductor, etc. For ex - Extensor Carpi Radialis \& Adductor Magnus.
5. Position - suggests the position where the muscle is placed, like- Anterior (front), Posterior (back), Supra (above) \& Infra (below). For ex - Tibialis Posterior \& Supraspinatus
6. Depth - suggests the depth at which the muscle is present, like- Superficialis (superficial), Profundus (deep), Externus (external) \& Internus (internal). For ex - Flexor digitorum superficialis \& External Oblique
7. Location - suggests the location of the muscle. For ex- Temporalis \& Supraspinatus.

## DISCUSSION ON OBSERVATION

Before starting the dissection, the total body length (height) of all the 04 cadavers were measured \& documented. Since, the length of each muscle of the body is dependent on the total length of the body. These measurements are mentioned above the table. The length, breadth \& thickness were specifically taken, so that the peshis can be classified under the 12 types of peshi swaroop.
> Some of the types mentioned in the peshi swaroop indicate the structural entities of peshi, while the others indicate the properties of the peshi. Hence, some of the classifications are made on the basis of measurements taken during the dissection; while, others are made by looking at the shape of the muscles or feeling the touch of the muscle.

## CRITERIA FOR CLASSIFICATION OF PESHIS UNDER THE TYPES OF PESHI SWAROOP

> As mentioned earlier, there are 12 types of Peshi Swaroop described by Acharya Sushruta.
> Meaning of each type of peshi swaroop was evaluated from Dalhana, Ghanekara \& M. Monier Williams Dictionary.
$>$ All the peshi swaroop described are not structural entities, which can be measured; some of them indicate properties of the peshi, which can only be interpreted on the basis of the sense of touch.
$>$ While framing the basis for classification of peshi, it was encountered that Acharya Sushruta was well versed with the knowledge of "Kinesiology", which he utilised to develop the parameters for classification of peshis.
$>$ Due to which, the actions of muscles were also taken into consideration to form the criteria for the classification of peshis.
> Along with this, Shape of the muscles is also considered in this study.

Thus, all these factors form the criteria for the classification of peshi under the types of peshi swaroop.

## 1. BAHALA

> After referring Dalhana, Ghanekara \& M. Monier Williams Dictionary- the meaning of Bahala can be considered to be muscles which are 'Thick in Density, ${ }^{6}$
> Only the length \& breadth of the muscles are considered in this category.
$>$ Muscles that fall under this category are those which are moderately long in length \& breadth.
$>$ For example- Biceps Brachii muscle can be considered under this type of peshi swaroop.

- Average Length $=27.3 \mathrm{~cm}$
- Average Breadth= 06.82 cm
> Actions of Biceps Brachii muscle include Flexion \& Abduction of the arm.
$>$ Due to involvement of 02 joints (Shoulder \& Elbow joint), the movements of this muscle requires strength.
$>$ Hence, these factors help in classifying such muscles under the category of Bahala.


## 2. PELAVA

> In context of peshi swaroop, the meaning of Pelava can be taken as- Muscles which are 'thin in density, ${ }^{7}$
$>$ Pelava category is opposite to Bahal.
> The difference between bahala \& pelava is that, the muscles included in this category are comparatively smaller in length \& breadth, \& other than the bahala type they require to move only one joint, which requires relatively lesser amount of strength to perform various actions.
> For example- Flexor Carpi Radialis Muscle.

- Average Length $=28 \mathrm{~cm}$
- Average Breadth $=04.42 \mathrm{~cm}$
- Actions- Flexion \& Abduction of the wrist joint.
$>$ Thus, these factors help in classifying peshis under the pelava type.


## 3. STHULA

$>$ The meaning of sthula can be taken as 'Thick'. ${ }^{8}$
$>$ Thickness is the main criteria for classification of peshis under this category.
> For example- Gluteus Maximus Muscle

- Average Thickness $=04.52 \mathrm{~cm}$
- Action- External Rotation \& Extension of the hip.
> Muscles of this category require heavy strength to perform these actions.
> Thus, these factors help in classifying peshis under the category of sthula.

4. $A N U$
$>$ The meaning of Anu can be taken as 'small, tiny or minute, ${ }^{[9]}$
> Length, breadth \& thickness are the parameters which are considered to place a muscle under this category.
> But, rather than considering these dimensions individually, the whole volume of the muscle is considered in this category
$>$ The muscles with lowest volume are placed under this category.
> For example- 'Stapedius Muscle', with its volume around $0.1 \mathrm{~cm}-0.2 \mathrm{~cm}$ can be considered in anu category.
$>$ Actions of these muscles are not taken into account while framing this category.
$>$ Thus, these factors help in classifying peshis under the category of Anu.

## 5. PRUTHU

$>$ The meaning of pruthu can be taken as 'broad, wide or extend in large area, ${ }^{[10]}$
$>$ Length \& breadth are considered in this category.
> For example- Lattisimus Dorsi

- Average Length= 18.4 cm
- Average Breadth $=20.8 \mathrm{~cm}$
> Muscles in this category bare less strength, hence their actions are not considered as criteria to form the parameter of peshi swaroop.
$>$ Only the wide spread area occupied by these muscles become a criteria for their classification as Pruthu.


## 6. VRITTA

$>$ The meaning of vritta can be taken as circular (or) dome shaped. ${ }^{11}$
$>$ This category is only based on the shape of the muscle, which in this case is circular.
$>$ For example- Orbicularis Oris \& Orbicularis Oculi muscle both are circular in shape.
$>$ Thus, this factor helps in forming the basis of classification of peshis in vritta category.

## 7. HRSWA

$>$ The meaning of hrswa can be taken as short. ${ }^{[12]}$
$>$ Length of the muscle is the only criteria considered in this.
> For example- Abductor Digit Minimi

- Average Length= 09.3 cm
> These muscles are short because they require lesser amount of strength to perform their actions.
$>$ Thus, the above mentioned factor helps in classifying peshis under the category of hrswa.


## 8. DIRGHA

$>$ This category is exactly opposite to hrswa category. ${ }^{13}$
> Meaning of dirgha can be taken as 'long'.
$>$ Length of the muscle is the only criteria considered in this.
> For example- Sartorius

- Average Length $=48.07 \mathrm{~cm}$
> These muscles are long because they require strength to perform their actions.
$>$ Thus, the above mentioned factors help in classifying peshis under the category of dirgha.


## 9. STHIRA

> In Sthira category, we consider muscles which have long tendineous part and short belly part. ${ }^{14}$
$>$ This criteria is purely based on the length of the muscle.
> For example:- Plantaris muscle

- Average length $=44.95 \mathrm{cms}$
- Average length of tendon $=40.2 \mathrm{cms}$
- Average length of belly= 4.3 cms
> These muscles remain stretched in the body from end to end, thus remains almost intact at a place, hence considered in sthira category.


## 10. MRUDU

> In Mrudu category, we consider muscles which have shorter tendon and long belly mass. ${ }^{15}$
$>$ This criteria is purely based on the length \& thickness of the muscle.
> For example:- Biceps Brachii muscle

- Average length $=27.3 \mathrm{cms}$
- Average Breadth $=6.82 \mathrm{cms}$
- Average Thickness= 1.6 cms
$>$ Due to thickness of the muscle, it can be considered soft or tender and also due to shorter tendon, because tendon provides strength to the muscle.


## 11. SHLAKSHNA

$>$ The meaning of shlakshana can be considered as those muscles which have smooth origin and insertion. ${ }^{16}$
$>$ This peshi swaroopa is not a measurable entity rather it denotes the property of the muscle in this category.
> For example:- Platysma muscle
$>$ This muscle is smooth to touch due to its underlying structures, hence considered in this category.

## 12. KARKASHA

> The meaning of the karkasha can be considered as those muscles which have rough origin \& insertion. ${ }^{17}$
> This category is exactly opposite of Shlakshan category.
$>$ This category of peshi swaroopa is not a measurable entity rather it denotes the property of the muscle in this category.
$>$ For example: - Serratus Anterior muscle
$>$ This muscle feels rough to touch due to the underlying structure (ribs), hence considered in this category.

## CONCLUSION

From the detailed conceptual compilation, dissection, observation \& discussion; the following conclusion are evolved -
> The number of peshis may increase, if its parts or components are considered separately \& it may decrease if they are taken jointly.
$>$ The controversies in the difference of number of peshis can be understood at certain places where the muscles of one region is counted in another region, based on their origin \& insertion.
$>$ Almost all the peshis are symmetrically distributed between the left \& right sides of the body \& their size \& shape are highly variable depending upon their functions throughout the body.
$>$ Due to the minute size of certain peshis, Acharya Sushruta might not have considered them while framing the classification parameters for peshi swaroop, like- Stapedius muscle, Arrector pilli muscle etc. Though, as per the explaination available regarding each type of the peshi swaroop, such peshis can be included in the 'Anu' category of the peshi swaroop.
$>$ During the classification of peshis according to the peshi swaroop under which they fall, it was noted that almost every muscle can be included in more than one Peshi Swaroop, as no muscle can be specifically placed in one particular type of peshi swaroop.

The parameter for the classification of peshis (named as 'Peshi Swaroop') classifies the peshis on the basis of their size, shape, action \& their feeling of touch, likethin, thick, long or short on the basis of their size; wide, round or circular on the basis of their structure; fix or movable on the basis of their movement; \& hard, soft, smooth or rough on the basis of their perception of touch.

According to modern science, the basis for the nomenclature of muscles suggests the following parameters- shape, size, number of heads of origin, action, position, depth \& location. These parameters are almost similar to the parameters described in Ayurveda. Hence, it can be concluded that the basic concept for the study \& classification of myology was given by Ayurveda.

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