## Muscles of the Spine

4

## Spinal Functions

The spine is the center of the body's universe, from a mechanical point of view as well as an energetic one, since the main chakras also exist here. The spine is active in all asanas, even in a restful state like Savasana, where it acts as a conduit for subtle energies and messaging. The spine supports and balances the trunk and head in standing, sitting, kneeling, backbending, and arm-balance postures. It connects the upper and lower extremities and protects the spinal cord, which merges with the brain. Along with the articulating ribs, the thoracic spine houses the heart and lungs, and the lumbar/sacral areas protect sexual and other organs.

The muscles that work the spine stabilize and move its four different areas: cervical, thoracic, lumbar, and sacral (minimal movement here). The fifth section, the coccyx, is immovable because its vertebrae are fused, but it does provide support and protection as weight is transferred while sitting. Thought of as the remnants of a tail in the evolutionary process, the coccyx maintains another purpose in the human body - that of attachment points of muscles and ligaments, mostly of the pelvic floor.


Spine, lateral view.

## Spinal Actions

The top three mobile areas of the spine can do the actions of flexion, extension, lateral flexion to the right and left, and rotation to the right and left. The spine is also capable of hyperextension (backbending). There are, however, some limitations of spinal movements.

Cervical-Considered the most movable area of the spine as it curves anteriorly (lordotic) to balance the weight of the head, the top two vertebral joints are limited in some joint actions. The atlanto-occipital joint (between the skull and the C1 vertebra, called the "atlas") can flex and extend (nodding the head), with very little lateral flexion and no rotation. The atlanto-axial joint (between C1, atlas, and C2, axis) mostly rotates. All other cervical vertebral joints (C3-C7) are able to move freely in all three planes if there are no complications.

As in any yoga posture, a main goal is to create space in the body, not condense it; that is why I instruct a student to extend, not hyperextend, the posterior neck position and to not compress the vertebrae.


Atlanto-occipital joint
Thoracic-This is the longest section of the spine, with twelve vertebrae. Its main limitation is hyperextension (arching the back, as in Ustrasana camel pose, see below). The posterior processes of the lower vertebrae in this region begin to slant downward, so when a backbend is performed, one bony process may come in contact with the next. This is very important for yoga practitioners to understand as the back arches, it cannot be forced into a bone-against-bone position.

Each person is different, but most have a natura kyphotic curve in this section (posterior) and a backbend creates the opposite. Backbends are aided more by the lordotic areas of the spine (the lumbar and cervical areas), as well as by the upper part
of the thoracic region, where bony limitation is not as severe. Care and correct explanations must be provided to engage the proper muscles for support of these regions and allow openness of the front of the body.


The change in angle between the facet joints lends itself to the movements that are possible at each section of the vertebrae.
Feeling length in the spine as the back bridges will help one perform with more ease and also protect th discs of the spine (cartilage between the vertebrae).


Ustrasana (Camel Pose) Level I-II: anterior muscles pictured are stretching, as posterior muscles located along the spine support the back-bending. Notice the position of the pelvis (in line with the knees) and the cervical area of the spine supporting, not dropping, the weight of the head.

Lumbar - This section of the spine has an anterior curve and contains the five largest and thickest spina vertebrae. The main limitation is rotation, because of the shape of the bones. The spinal (posterior) processes are bulky, and the facets (articulating. surfaces) are orientated in such a way as to limit urning. Once again, this knowledge is of the tmost importance, especially when a spinal twist is performed.

Many injuries of the lower back in yoga can happen because a twist is forced more through Overstretching in spinal flexion is also a risk factor.


Lumbar vertabra (L3) lateral view.

Sacral-By the end of puberty, four to five vertebrae in this part of the spine have fused together, causing the formation of the sacrum bone, which solidifies through the years and bears the weight of the spinal column. The vertebrae themselves do not move, but at the junction of the sacrum with the pelvis (the sacroiliac, or SI, joint) there is a gliding motion. Thi subtle and involuntary; it happens naturally in hildbirth as ligaments supporting the joint begin to stretch when the hormone relaxin is released.

Extreme overstretching in yoga (as in Sitting Forward Bend, Paschimottanasana) can lead to SI joint discomfort, as ligaments cannot easily "bounce back" their original length The area becomes less stable, with resulting inflammation and pain. Sitting too much can also irritate this region.

Actions specific to this pelvic area are called "nutation" (forward motion of sacrum base) and "counter-nutation" (backward motion of sacrum base) They should not be confused with pelvic rotation or till, although they can happen along with these actions.

In conclusion, the sacral area of the spine, although not very movable, can be irritated. This is seen in care in intense forward-bending poses, twists, wideleg straddles, and even backbends.


Ligaments around the pelvis and the sacroiliac joint

prasarita $=$ spread; pado $=$ feet; tan = expand; (pra-sa-REE-ta pah-doe-tahn-AHS-anna)
Awareness: Breath, expansion, length, stretch, calming, introspection.
Action and Alignment: Spine extension, shoulders and girdle neutral, hip flexion and abduction, knee extension, hamstrings and calf stretch, spreads the SI joint area. Top of the pelvis is brought forward as the hips flex.

Technique: Stand in Tadasana, acing the long edge of the mat; open the legs wider than the houlders, approximately one leg length apart. Whi hands on hips, inhale and lift the torso, exhale and he spine is parallel to the flow, ake and aut another full breath, extending exhale, release all the way down hands coming to a block or the loor Feel the energy coming fro the earth, through the feet and up he earth, through the feet and up the legs, engaging the quadriceps

Helpful Hints: Once folded orward, there are many variations of this posture, increasing length and space in both the front and the back of the body. Wide-leg Down Dog, sp an be to cour bert. This pose is used to cown a serie of standing asanas.

Counter Pose: Tadasana with a slight backbend, hands on sacrum.

Just as the spine is central to the body, so it is to yoga.

The following sections present the major muscles working the spine with related asanas illustrated and explained in detail.

## Latin, erigere, to erect; spinae, of column on the pelvis during the spine; sacrum, sacred; spinalis, spinal. <br> walking. <br> \section*{Nerve}

The erector spinae, also called "sacrospinalis," comprises three sets of muscles organized in parallel columns. From lateral to medial, they are the iliocostalis, longissimus, and spinalis.

## Origin

lips of muscle arising from the sacrum. Iliac crest. Spinous and transverse processes of vertebrae. transv.

## nsertion

Ribs. Transverse and spinous
processes of vertebrae. Occipital bone.

## Action

Extends and laterally flexes
vertebral column (i.e., bending backward and sideways).
Helps maintain correct curvature
of the spine in erect and sitting
positions. Steadies the vertebral

Dorsal rami of cervical, thoracic, and lumbar spinal nerves.

Basic functional movement Example: Keeps back straight (with correct curvatures), and therefore maintains posture.

Movements that may injure this muscle
Whiplash. Lifting without bending
the knees or keeping the back erect. Holding an object too far in front of the body.
In yoga, any hyperextended position that is taken too far for that particular person. Forward bending to the extreme (as in Paschimottasana) may overstretch this muscle.

Common problems when muscle is chronically tight/ shortened
Headache and neck pain.

## Asanas that heavily use thes

 muscleStrengthening: Most sitting and standing postures where the spine is extended in opposition to gravity, such as Virabhadrasana I, II, III (Warrior). Backbends, as hyperextension of the spine occurs. Parighasana, Trikonasana, Utthita Parsvakonasana, and
Viparita Virabhadrasana (Rever Viparita Virabhadrasana (Rever
Warrior) - all lateral flexion warrior) - all lateral fadasana on return to standing. Stretching: Balasana (Child's Bends.

Transversospinalis (meaning
"across the spine") is a composite
of three small muscle groups situated deep to erector spinae. However, unlike erector spinae each group lies successively deeper below the surface, rather than side by side. From the mo superficial to the deepest, the muscle groups are semispinalis, fibers generally nd medially from the transvers nd medially from the transvers processes and are sometimes reused as the "d sop posterio muscles" The combined action are mostly rotation and extension,
with some lateral flexion.


Virabhadra $=$ warrior or supe being from Indian mythology (veer-ah-bah-DRAHS-anna)

Awareness: Breath, space, strength, stretch, rib cage expansion, balance, openness, solidarity.

Action and Alignment: Spine extension, shoulder abduction shoulder girdle stabilization, hip and knee flexion (front leg), hip extension and abduction, knee extension (back leg). Pelvis open front knee directly over ankle front knee directly over ankle, degree angle from front, front heel in line with middle of back foot arch.

Technique: Stand in Tadasana, hands on hips; step back with one leg and position the lower body as stated above, bending the front nee. thale and exter out the sides, eyes forwar over Enegt arm with a strong focus. Engage floor.

Helpful Hints: A powerful postur
hat balances the body, it can be
done during the beginning to
middle of class. This asana can also transition from or to others such as Warrior I and Triangle. Focus on breath, energy, and the tailbone to drop as Allow lifts; this will protect the lower sine. Make sure the front knee is spine. Make sure the front knee is fig toe, creating slight outward big toe, creating slight outward rotation of the front hip. Press the
outside edge of the back foot into outside edge of the back foot into the ground and pull energy from foundation.

Counter Pose: Switch sides, hen Tadasana or Prasarita Padottanasana to counter

Latin, semispinalis, half-spinal;
capitis, of the head; cervicis, of the neck; thoracis, of the chest.

## Origin

Transverse processes of cervical and thoracic vertebree (C1 T10)

## nsertion

Between nuchal lines of occipital bone and spinous processes of the cervical vertebrae and upper four thoracic vertebrae (C2-T4).

## Action

Capitis: Most powerful extensor of he head and assists in rotation. Cervicis and thoracis: Extend cervical and thoracic parts of vertebral column. Assist rotation of cervical and thoracic vertebrae.

## Nerve

Dorsal rami of cervical and horacic spinal nerves

Basic functional movement Example: Looking up or turning the head to look behind.

## Movements

this muscle
Whiplash. In yoga, forcing cervical rotation

Asanas that heavily use these muscles
Strengthening: Bhujangasana (Cobra Pose). Salabhasana (Locust Pose). Matsyasana (Fish Pose). All twisting or revolv (Warrior III).
Stretching. Balasana (Chil Pose). Halasama (Plow). Tw


## bhujanga $=$ serpent; (boo-jan-GAHS-anna)

Awareness: Breath, strength, stretch, stimulation of core, expansion of heart and lungs (chakra 4).

Action and Alignment: Spine hyperextension, shoulder extension to flexion, shoulder girdle retraction, hip extension. Core and leg engagement, hands directly under the shoulders.

Technique: Lie on the belly, with the hands and elbows into the rib cage. The legs come together and xtend, pressing the feet into the oor and to page he cord sper the tho rea. with the up fron oof, we mat The gaze is forward The hands are not ued to ward the the for; the usinal press wust contract to lift the upper bod gainst gravity for full beper body against gravity for full benefit.

Helpful Hints: Experience the "baby cobra" first, where the hands can be lifted off the floor to make sure that the spinal extensors ate Once this is established, the has. One then be used to press into can then be used to press into the loor and increase he stretch of the remans this is a basi backbend and a good wam -up for more advanced positions. it included in Sun Salutation to warm included in Sun Salutation to warm up the body. If the lumbar spine is engage the core more effectively.

Counter Pose: Balasana (see Chapter 8).

Latin, multi, many; findere, to
split. split.
This muscle is the part of the transversospinalis group that lies in the furrow between the spines of the vertebrae and their transverse processes.

## Origin

osterior surface of sacrum, between the sacral foramina spine. Mammillary processe spine. Mammillary processes
(posterior borders of superior articular processes) of all lumbar vertebrae. Transverse processes of all thoracic vertebrae. Articular processes of lower four cervical vertebrae.

## nsertion

Parts insert into the spinous
process two to four vertebrae
superior to the origin; overall, this includes spinous processes of all the vertebrae from the fifth lumbar up to the axis (L5-C2).

## Action

Protects vertebral joints from movements made by the more powerful superficial prime mover Extension, lateral flexion, and rotal vertebral column.

## Nerve

Dorsal

Basic functional movemen Example: Helps maintain good all movements/asanas.

Movements that may injure this muscle
Lifting without bending the knees or keeping the back erect. Holding an object too far in front of the body when lifting. In yoga, extreme bending or twisting.

Asanas that heavily use this muscle, mainly for stabilization
All standing, kneeling, sitting, backbending, and twisting or revolved asanas.


Latin, rota, wheel.
These small muscles are the deepest layer of the transversospinalis group.

## Origin

Transverse process of each
vertebra.

## Insertion

Base of the spinous process of adjoining vertebra above.

## Action

Rotate and assist in extension of vertebral column.

## Nerve

Dorsal rami of spinal nerves.
Basic functional movement Helps maintain good posture and spinal stability during standing sitting, and all movements/asanas

## Movements

his muscle
Lifting without bending the knees or keeping the back erect. Holding an object too far in front of the body when lifting. In yoga, twisting the lumbar spine too far is counterproductive.

Asanas that heavily use these muscles
All standing, sitting, and
twisting or revolved asanas, both strengthening and stretching


Latin, quadratus, four-sided;
lumborum, of the loins
A stabilizing muscle.
Origin
liac crest. Iliolumbar ligament (the ligament from the fifth lumbar vertebra to the ilium).

## nsertion

Twelfth rib. Transverse processes of upper four lumbar vertebrae (L1-L4).

## Action

Laterally flexes vertebral column. Fixes the twelfth rib during deep respiration (helps stabilize the diaphragm for singers exercising voice control). Helps extend lumbar part of vertebral column and gives it lateral stability.

## Nerve

Ventral rami of the subcostal nerve and upper three or four lumbar nerves (T12, L1, L2, L3).

Basic functional movement Example: Bending sideways from sitting to pick up an object from the floor.

Movements that may injure this muscle
Bending sideways or lifting from a sideways position too quickly.
Common problems when Common problems when
muscle is chronically tight/ muscle is chronically tight/
shortened
Referred pain to hip and glutea area, as well as lower back.

## Asanas that heavily use this muscle

Strengthening: Bharadvajasana. Viparita Virabhadrasana.
Parighasana. Utthita
Parsvakonasana.
Stretching: Tadasana with Side Bend. Halasana (Plow).


Bharadvaja $=$ legendary sage; (bah-ROD-va-JAHS-anna)

Awareness: Breath, stretch, cleansing, release.

Action and Alignment: Spinal extension and rotation, shoulder and girdle stabilization, elbow extension, hip and knee flexion. Firm legs, and pelvic and arm support.

Technique: Sit with the legs tucked to one side. Engage the core as the spine lifts and twists way from the knees. With one and on behind ande, place the her hand behi The cose to the llow the twist, prowided not compromise the neck.

Helpf Hints: One f the ${ }^{\text {c }}$ wists, Bharadvajasana can be done after warming up or befor cooling down. The spine can wist best when each vertebra wist bed tob acke rotation begin A blank under either hip can help even the vertebrae as the sit belpe even the toward the floor The use of a prop wher the twisting side may relieve discomfort in the lower back iscomfort in the low erformed with the arms and legs.

Counter Pose: Baddha Konasana (see Chapter 8)


External oblique


Internal oblique.

Latin, obliquus, diagonal, slanted.
The posterior fibers of the external oblique are usually overlapped by he latissimus dorsi, but in some cases there is a space between he two, known as the "lumbar triangle," situated just above the iliac crest. The lumbar triangle is a weak point in the abdominal wall. The internal oblique is considered a strong stabilizer as well as a mover.

## Origin

External oblique: Lower eight ribs Internal oblique: Iliac crest. Lateral wo-thirds of inguinal ligament. Thoracolumbar fascia (sheet of connective tissue in lower back)

## Insertion

External oblique: Anterior half of liac crest and into an abdominal poneurosis that terminates in the linea alba (a tendinous band extending downward from the sternum)
Internal oblique: Bottom three or four ribs and linea alba via an aponeurosis

## Action

Compresses abdomen, helping to support the abdominal viscera against the pull of gravity. External oblique: Contraction of one side alone bends the trunk laterally and rotates it to the opposite side (contralateral). Internal oblique: Contraction of one side bends the trunk laterally and rotates it to the same side (ipsilateral).
When right and left sides contract simultaneously (both external and internal obliques) they aid in flexion.

## Nerve

External oblique: Ventral rami of thoracic nerves T5-T12. Internal oblique: Ventral rami foracic nerves 17 -T12 lioinguinal and iliohypogastric nerves.

Basic functional movement Example: Digging with a shovel, raking, twisting.
muscles are wea
Injury to lumbar spine, because abdominal muscle tone contributes to stability of lumbar spine.

Asanas that heavily use these muscles
Strengthening: Any asana that laterally bends, flexes, or rotates the spine, such as Trikonasana, Parighasana, Utthita Parsvakonasana, Ardha Matsyendrasana, Parivrtta Trikonasana. Parivrtta Janu Sirsasana an Parsvakonasana. de Bends. Setu Bhandasana (Bridge)


Latin, rectus, straight; abdominis, of the belly/stomach.

The rectus abdominis is divided into three or four bellies by tendinous bands, each sheathed in aponeurotic fibers from the lateral abdominal muscles. These fibers converge centrally to form to the lower part of the rectus to the lower part of the rectus abdominis is a frequently absent which arises from the pubic crest and inserts into the linea alba It and inserts into the linea alba. It tenses the linea alba, for reasons unknown. This and the upper
rectus abdominis are associated with the six-pack striation seen in conditioned athletes.

## Origin

Pubic crest and symphysis (front of pubic bone).

## Insertion

Xiphoid process (base of sternum);
fifth, sixth, and seventh costal
cartilages.
Action
Flexes lumbar spine. Depresses rib Flexes lumbar spine. Depresses rib
cage. Stabilizes the pelvis during cage. Stabilize
walking.

Nerve
Ventral rami of thoracic nerves T5-T12.
Basic functional movement Example: Initiating getting out of a low chair. Rolling up from a supine position.

## Common problems when

 muscle is weakInjury to lumbar spine because abdominal muscle tone contributes to stability of lumbar spine.

## Asanas that heavily use this

 muscleStrengthening: Trikonasana. Apanasana. Navasana. Agni Sara Utkatasana and others using rectus abdominis as a stabilizer of the spine.
One-leg standing asanas to
One-leg standing asanas to
help stabilize spine and pelvis: help stabilize spine and pelvis:
Virabhadrasana III. Vrksasana. Virabhadrasana III. Vrksasana.
Stretching: Setu Bhandasana (Bridge). Backbends.

trikona $=$ three angles or triangle; (tree-kone-AHS-anna)
Awareness: Breath, strength, stretch, expansion, balance, upport, stimulation, power, therapeutic, centering.

Action and Alignment: Spine extension, shoulder abduction, extension, shoulder abduction, hourder grd wrist extension, engagement, pelvic stability, hip flexion and outward rotation (front leg), hip extension and abduction leg), hip extension and abduct (back leg), knee flexion and extension, ankle supination of back
foot. Shoulders stacked one over the other, heel of front leg aligned
the with center of back foot.

Technique: From Tadasana with hands on hips, step back with one foot into Virabhadrasana II. Extend the front knee without Engage and cone nd lift he Eelvic flo Reah the frot pelvic floor. Reach the front arm pushes back. Once this position is peas drop the botton hand to the inside of the leg or block as th the arm extends to the sky Keep top arm extends to the sky. Kee Hold for up to one minut.

Helpful Hints: The body is extended as if supported between two planes; try the asana with the back of the body against a neck is not compromised, the gaze eak is not compromised, the gaz
 (some practioners might choose inced). The hatrings will be stretched especially in the back leg. softening the knees will help leg, softening the knees will help release the tension. Inhale to lift up and out of the pose, then repeat
on the other side. The asana is best on the other side. The asana is best where centering is needed.

Counter Pose: Viparita Virabhadrasana (see below, under "Psoas Major").


Another asana that primarily targets the rectus abdominis is Apanasana (Wind Reliever). It is
similar to the Pilates 100 position similar to the Pilates 100 position will explaine desfer
will explain th
apa $=$ away; apana $=$ one of the five main vayus explained in Chapter 2; (ah-pa-NAHS-anna)

Awareness: Breath, core and neck strength, digestion, elimination.

Action and Alignment: Spin lexion, shoulder and girdle tabilization, hip flexion, knee lexion. Knees directly over the hips.

Technique: Lie on the back, with knees bent and shins in Table position. Hands rest on the knees. nhale, then exhale as the spine he knees. Inhale and stretch the legs away then exhale and bring hem back to Table. Inhale and roll down. Repeat three or four times.

Helpful Hints: Use the rectus abdominis to flex the spine, and he SCM to flex the neck. The spine is stretched, as well as the gluteal muscles. This posture is good at the beginning of class, to elp warm the core before Savasana.

Counter Pose: Savasana (see Appendix 1).

## Greek, psoa, muscle of the loin Latin, major, larger

The psoas major and iliacus (iliopsoas muscle group) are considered part of the posterior abdominal wall because of their position and cushioning role for he bris of their action
flexing the hip joint (the pso flexing the hip joint (the psoas it would also be relevant to place these two muscles in Chapter 8 . The psoas major individually is also a deep core muscle because of its attachment to the lumbar spine its attachment to the lumbar spine
(covered in Chapter 5). Note that (covered in Chapter 5). Note the some of the upper fibers of the
psoas major may insert by a long psoas major may insert by a long
tendon into the iliopubic eminence to form the psoas minor, which has little function and is absent in about $40 \%$ of people.
ilateral contracture of this muscle might increase lumbar lordosis, and overuse or underuse may lead oo other postural issues and/or pain-balance is the key!

## Origin

Bases of transverse processes of a Bases of transverse processes of all
lumbar vertebrae (L1-L5). Bodies

of twelfth thoracic and all lumbar vertebrae (T12-L5). Intervertebral discs above each lumbar vertebra.

## nsertion

Lesser trochanter of femur
Action
Flexor of hip joint, in conjunction with iliacus (flexes and laterally rotates thigh, as in kicking a football). Acting from its Insertion, it weakly flexes the trunk, as in sitting up from a supine position. It is a strong stabilizer at both lumbar spine and hip joints.

Nerve
Ventral rami of lumbar nerves (L1, L2, L3, L4; psoas minor innervated from L1, L2).
Basic functional movement Example: Going up a step or walking up an incline.

Movements that may injure o compromise this muscle Overuse, as it is a strong stabilizer and a biarticulate muscle at the lumbar spine and hip.
Underuse, such as sitting too much, which leads to a shortened, atrophied psoas.

## Asanas that heavily use this muscle

Any standing asana uses the psoas major as a stabilizer at both lumbar spine and hip joint Strengthening: Navasana. Virabhadrasana I, II, III (and Reverse Warrior, where strength
is in the front leg, and stretch is is in the front leg, and stretch in the back leg-as pictured). the front leg).
Stretching: Back leg of Stretching: Back leg of
Anjanyasana, Virabhadrasanas, Alanasana.

viparita $=$ reversed, inverted; Virabhadra $=$ name of a warrior; (vip-par-ee-tah
DRAHS-anna)
Awareness: Breath, stretch, strength, rib cage expansion, pelvic stability, circulation.

Action and Alignment: Spine lateral flexion, shoulder abduction and adduction, shoulder girdle stabilization, elbow and wrist extension, hip flexion/extension/ abduction, knee flexion and extension. Lower body alignment as in Warrior II.

Technique: From Virabhadrasana $I$, reverse the spine and arms up and back, keeping the legs firm and the feet grounded evenly. To crease the challenge, the an be increased and the bac m wrapped behind for a binding ffect. Lift the core and pelvic oor as the torso stretches to the back side.

Helpful Hints: A nice counter to Warriors and Triangles, this posture is done more as a side pond than as a backbend. The breath is strong as the body expands on the inhale, and softens in intensity on the exhale.

Counter Pose: Uttanasana (see Chapter 6)

An excellent example of an asana that uses all the muscles discussed in this chapter (as well as the main nes of the hip and knee joins) is Alanasana (High Lunge). Th asana is especially efrective for ) 1 d eg) and stretch (back leg) for the poabilizer for the lumbar spise.

Alana $=$ minister of Shiva; (al-ahn AHS-anna)

Awareness: Breath, strength stretch, support, core work, balance, energy, drishti (focus)

Action and Alignment: Spine extension, shoulder flexion, shoulder girdle stabilization, hip flexion and extension, knee flexion and extension, core engagement Front above the ankle, with the pelvis centered.

Technique: Usually done during a Sun Salutation before or after a Down Dog. Lift one leg to the back (three-legged Dog) then bring that leg forward with the knee bent, placing the foot the knee bent, placing the foot between the hands. Lift the torso,
either with the hands on the front thigh or with the arms up in the air

Helpful Hints: Check front knee alignment and engage the core by dropping the tailbone, lifting the lower abdominals and pelvi floor. Energize the back leg by staighening the knee and pushing out form bill be histrong mat in blo paced on the outside of both fee for for support and balance, as well as

Counter Pose: Adho Mukha Svanasana (see Chapter 6)

