Art and Science of Embodied Breathing

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The Breathable Body

Two Precepts

1. Breathe through your mouth as often as you eat through your nose. Nose is for breathing – Mouth is for eating.

2. Pace your activity level to be able to continue using your nose for breathing.

Even When Exercising



Breath is a sacred journey into the present

No two breaths are ever a like

Each breath is a new creation and a dissolving of the present moment

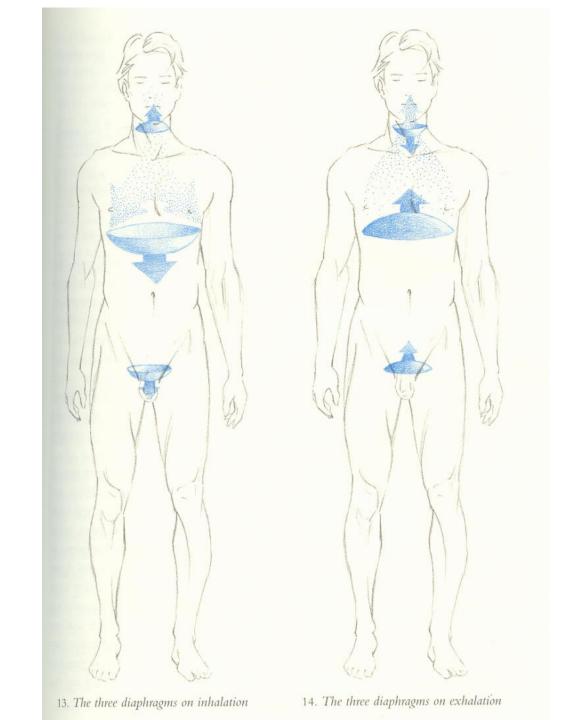
Breath teaches that everything comes and goes

Each cycle of breath is a fractal of life and death We never know if there will be another breath after the last one.

The Nose is the Guardian of the Lungs

- The nose filters particles .5 microns and above
 - Human hair is 50 microns
 - Does not filter smoke and unfortunately viruses
- Regulates temperature of the air to the lungs
- Regulates the humidity of the air for the lungs
- Produces anti-bacterial molecules
- Regulates gas exchange & Nitric Oxide production
- Gives the body a chance to innovate a response by presenting the invader to our defenses before it enters the lungs (personal opinion)

Nose Breathing gives greater access to the use of diaphragm in breathing and invites the autonomic nervous system into Rest and Settle

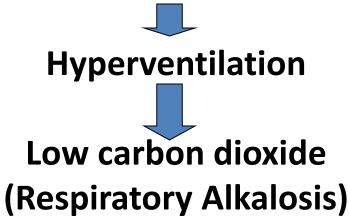


Mouth Breathing interferes with cleaning the air on the inhale and unbalancing respiratory gases on the exhale

Hidden Hyperventilation

Mouth Breathing also triggers the Fight and Flight response of the autonomic nervous system.

The Bohr effect means: low carbon dioxide = less oxygen to tissues Triggers



0 7 7.4 14

Acid Neutral __ Alkaline

Less oxygen is released to tissues

Increase in lactic acid

Mouth Breathing Is Detrimental to Your Health Changing the habit of mouth breathing - Make a list...

WHEN I NOTICED I USED MY MOUTH TO BREATHE

1.

2.

3.

4.

5.

6.

7.

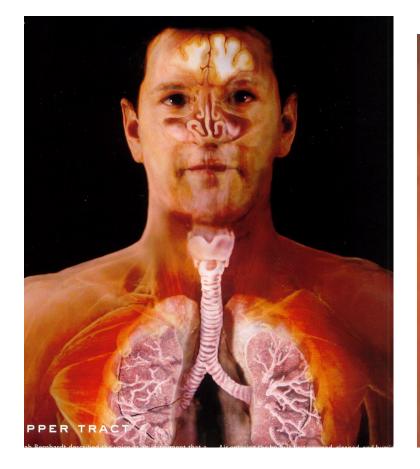
8.

9.

10.

Talking and nose breathing.

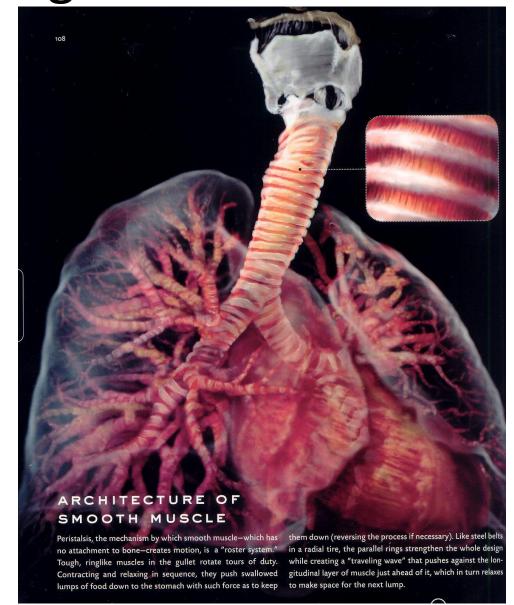
Peripheral vision and breathing





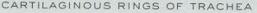
Re-Spiration

Airways as moving tentacles



Trachea and Earthworm – same movement

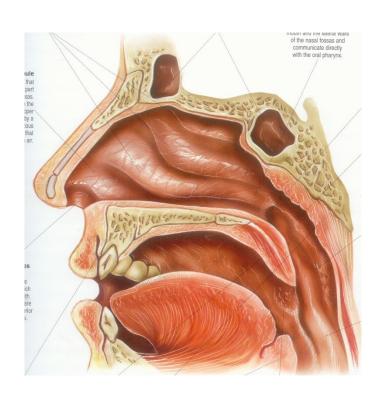


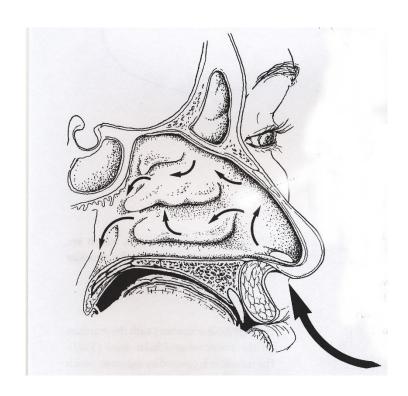




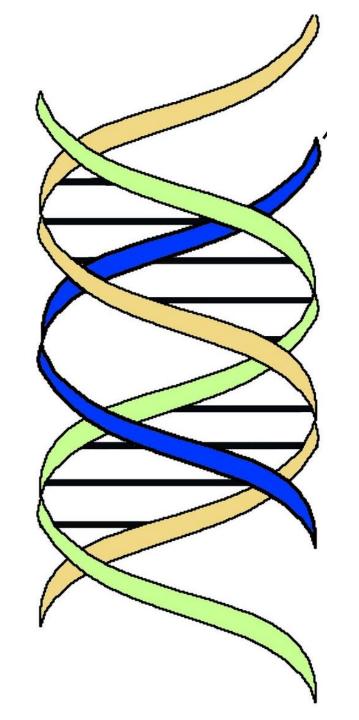
COMMON EARTHWORM

Air Flow through Turbinates





Spiraling relationship of gravity – space & breath



Tuning your body, heart and mind

SA/HA to move from breathing your body to the body breathing you.

Think, (no sound) **SA** on the inhale and

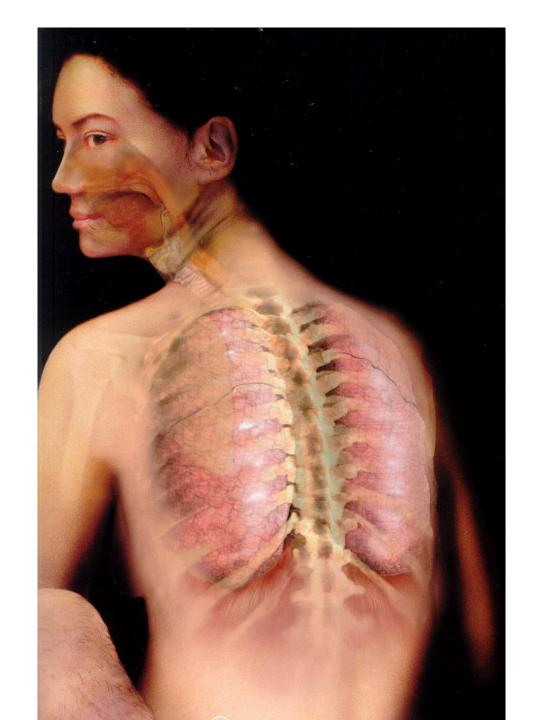
HA on the exhale.

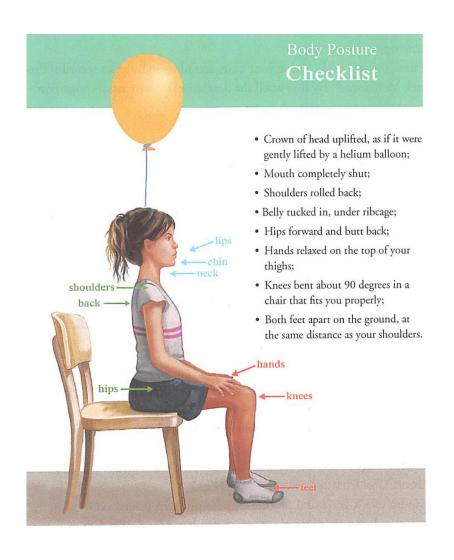
Let's try this together

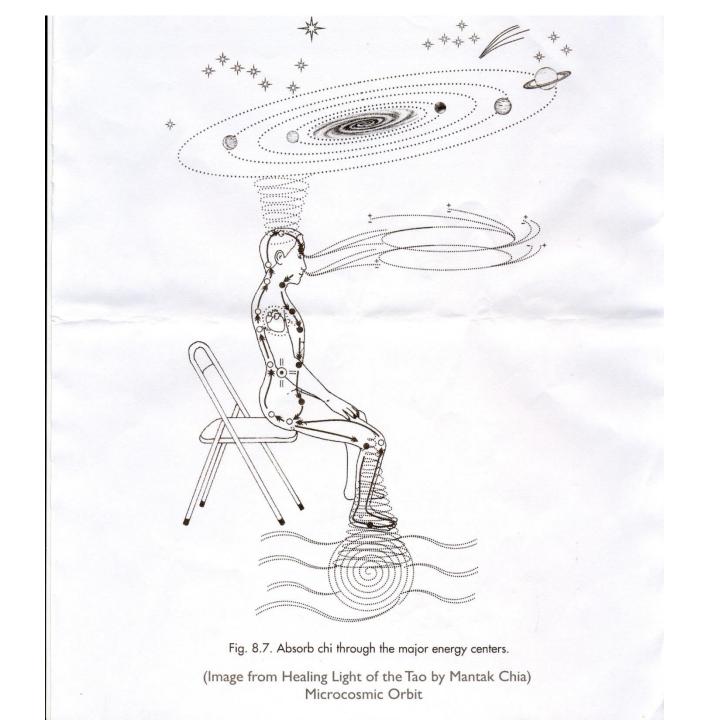
Remember:

be interested in lung capacity and movement

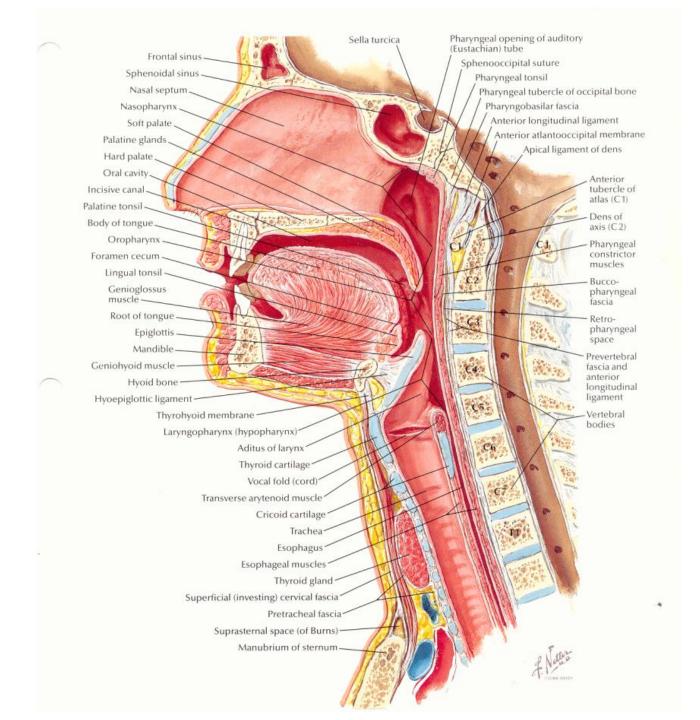
Proning







Mewing

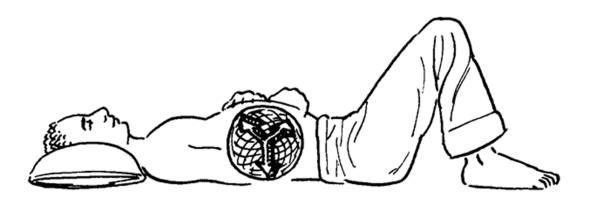


3 – Dimensional Movement of Breath

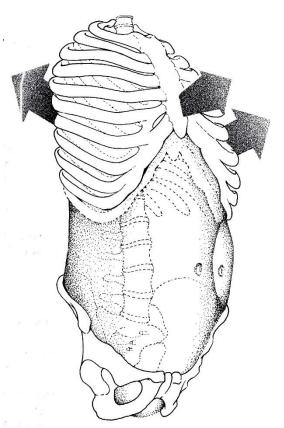
Diaphragm – top to bottom

Ribs – Side to Side

Sternum- Front to Back



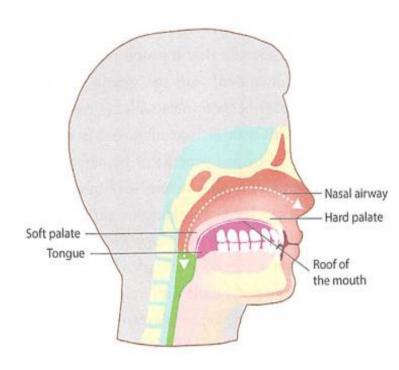
6-1. THREE-DIMENSIONAL BREATHING

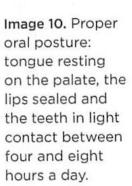


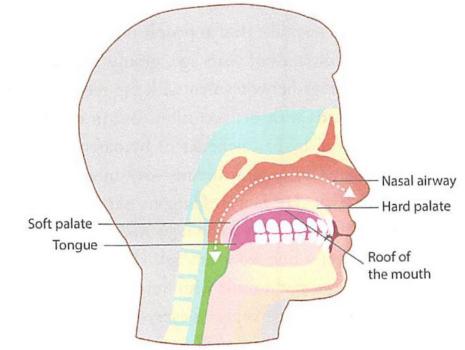
- 1. Tongue at the roof of the mouth
- 2. Lips
- 3. Teeth slightly touching
- 4. Practice 4-8 hours a day and resting on each other.

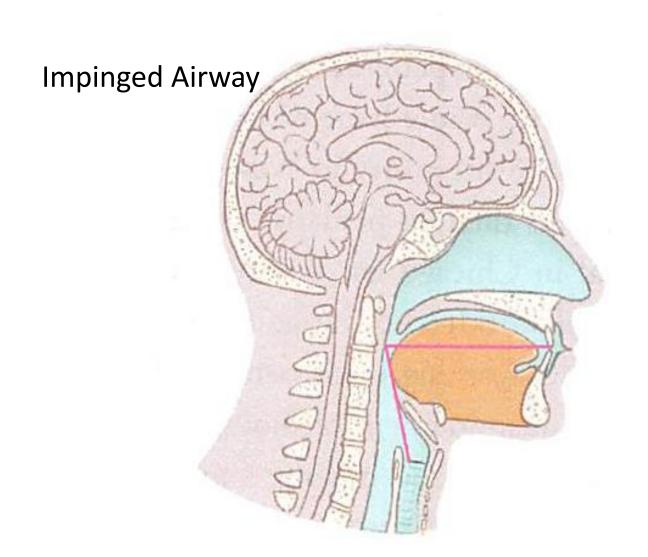
This completes the respiratory circuit and opens airway in the throat and lungs

Image 10. Proper oral posture: tongue resting on the palate, the lips sealed and the teeth in light contact between four and eight hours a day.

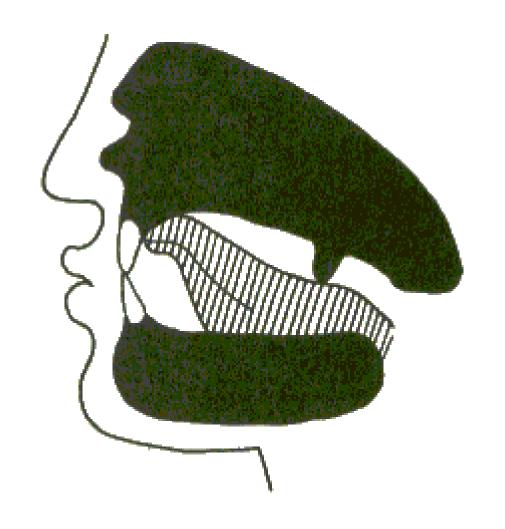


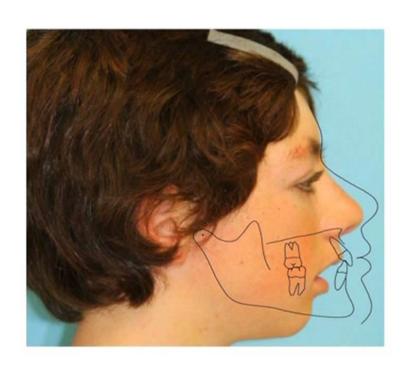






Tongue right behind front teeth on first ridge.









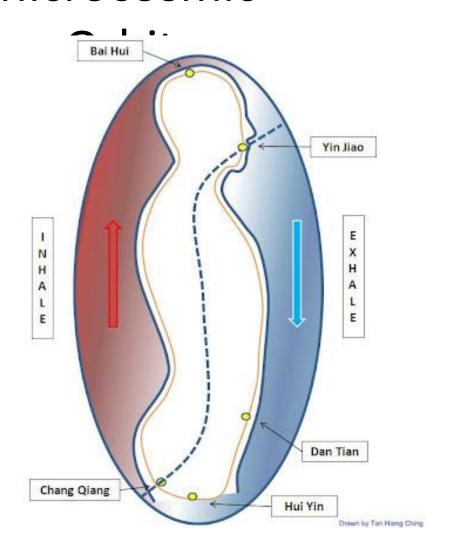
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Microcosmic





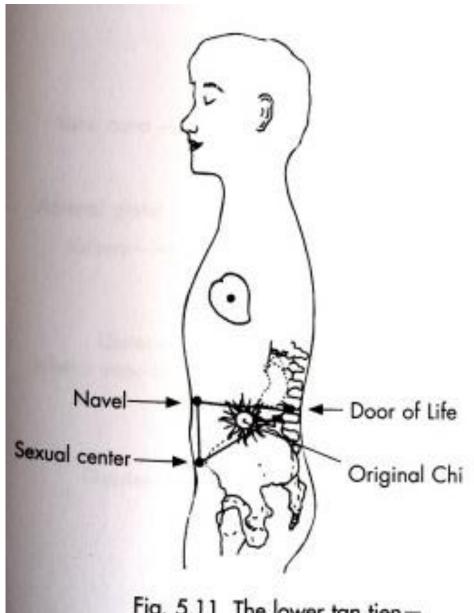


Fig. 5.11. The lower tan tien— Original Chi

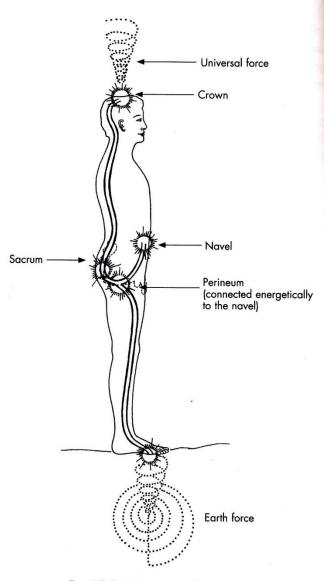
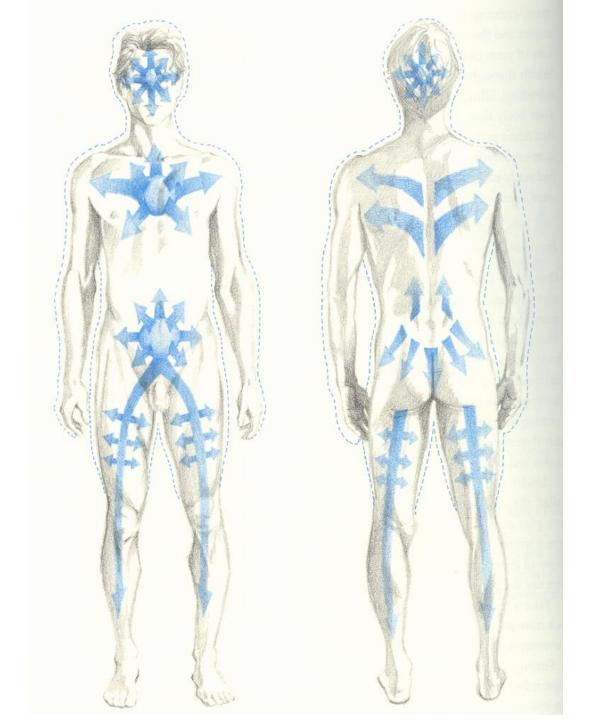
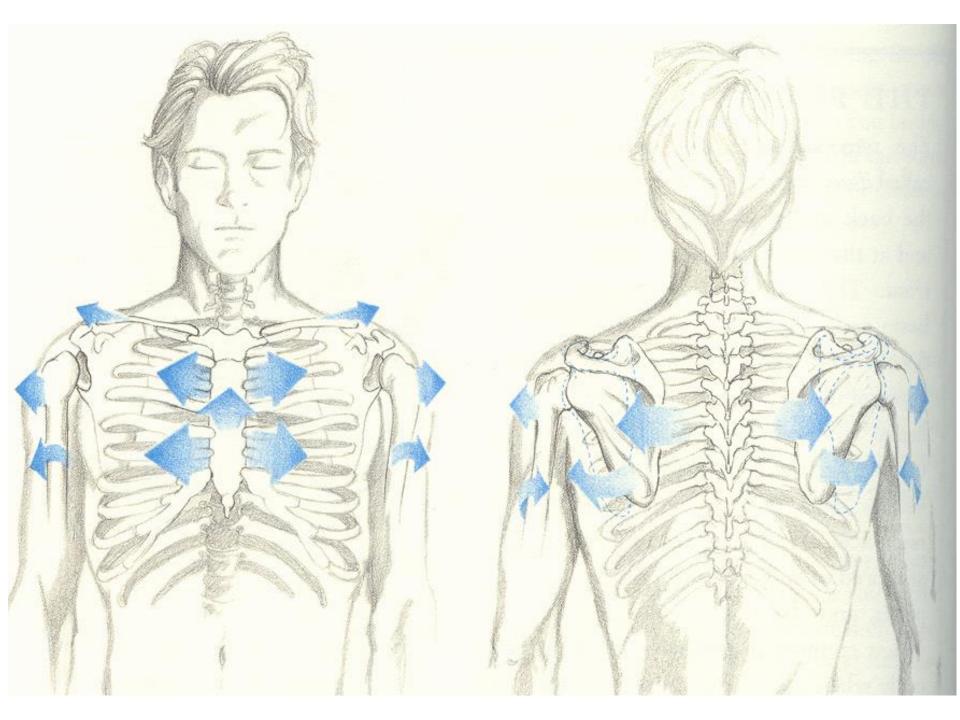
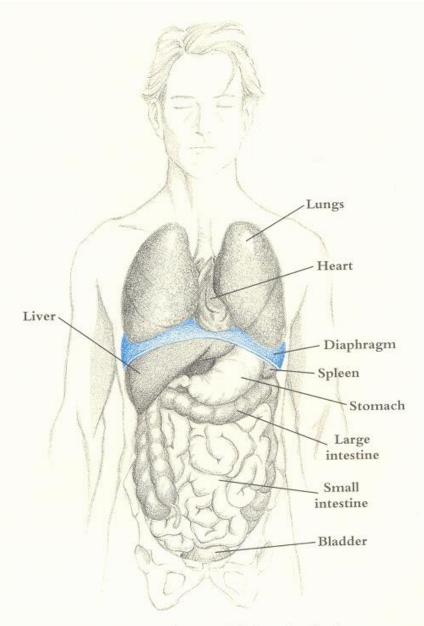


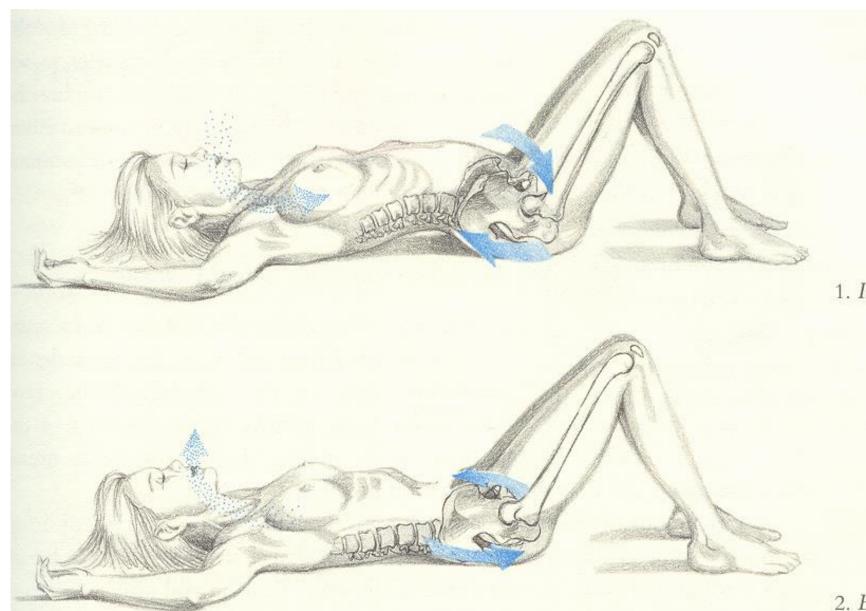
Fig. 4.7. Perineum connection







12. The organs above and below the diaphragm



1. Inhalation

2. Exhalation

