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Cellular Acidosis, the Physiological Cause of all Disease

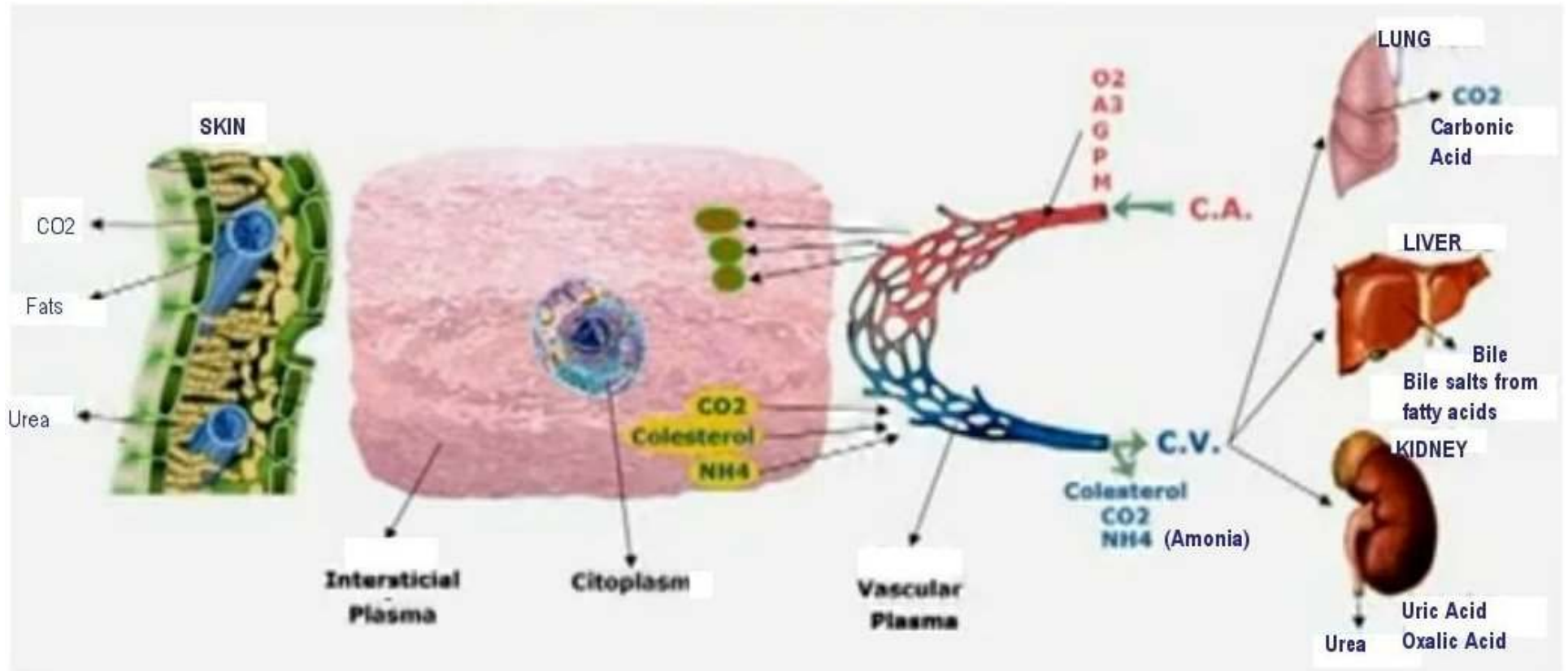
*Translated from presentation made by Dr. Marti at the
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Healthy Cell Metabolism

- A healthy cell uses the surrounding interstitial plasma to absorb nutrients and eliminate wastes.
- These wastes are filtered out of the blood mainly by the liver, kidneys and lungs..
- The lungs excrete CO₂; the liver, used fatty acids through the bile; and the kidneys, oxalic and uric acid through the urine.
- The skin (the 3rd kidney) is also capable of excreting fatty acids, CO₂ and uric acid.

The Healthy Cell

Basic Pischinger System



The Beginning of Disease

- The majority of illness does not begin in the cell, but rather in the interstitial space surrounding the cell, due to:
 - Liver Failure
 - Kidney Failure
 - Lung Failure
 - All at once – Multi-Systemic Failure

Blood Filters

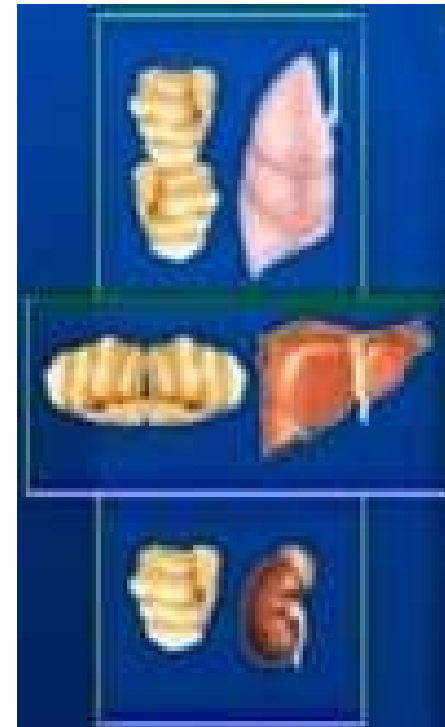
- The heart at rest, pumps 5 liters per minute of blood through the body
- That means that in an hour: $60 \times 5 = 300$ liters/hour
- In a day: $24 \times 300 = 7200$ Liters/day
- If we assign 2 pounds per liter of blood, in a day, 7 tons of blood goes through each of these filters daily.

Blood Filters

This is the equivalent of a 7 ton truck running through the filters daily, assuming a perpetual resting state.

What size are these filters?

- The lung is the size of 2 fists put together.
- The liver is the size of 2 fists put together.
- Each kidney is the size of 1 fist.



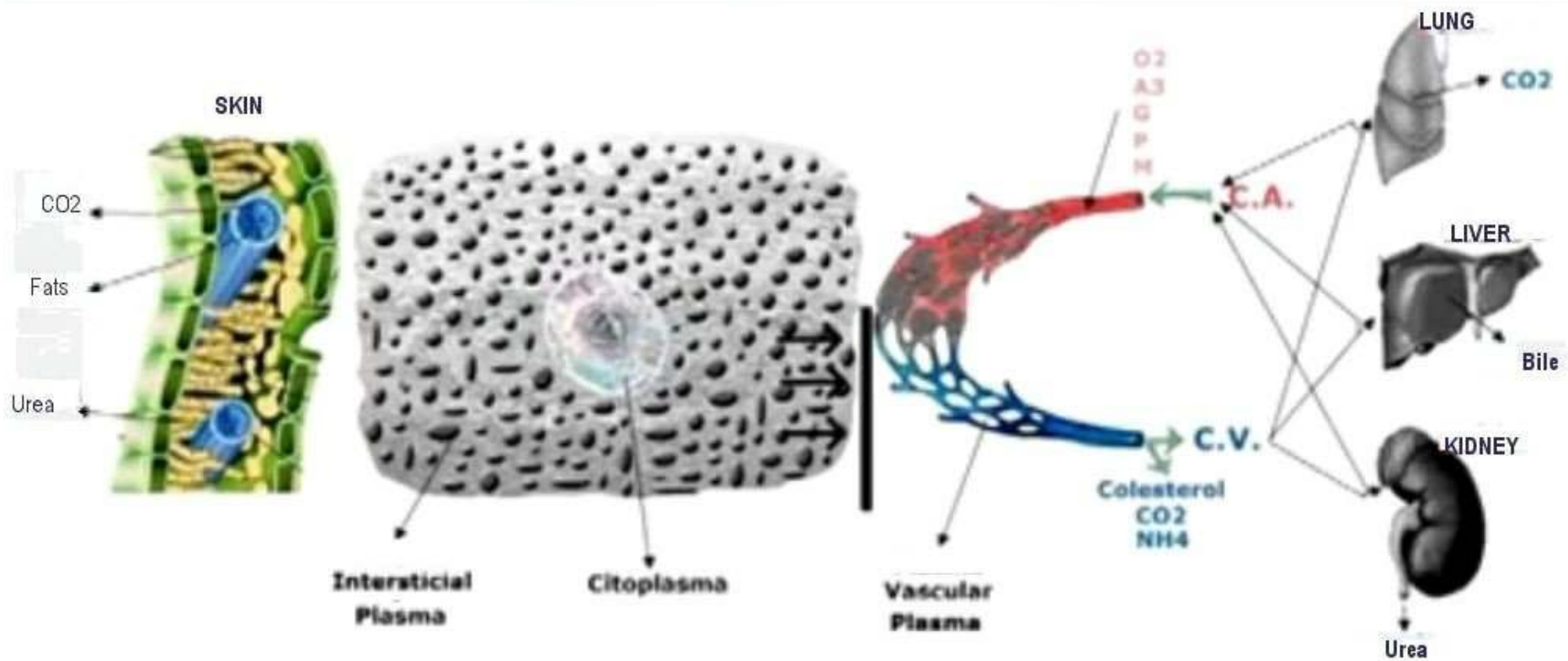
Accumulation

- If we do not properly maintain our main filters, they become clogged and inefficient. If the efficiency goes down to 80%, that means 20% of acidic waste will not be able to be eliminated.
- To avoid varying the pH of the blood, the body begins to retain these acids in the interstitial space “between the cell and the capillary”, hoping to be able to drain it later.
- If this accumulation continues and becomes chronic over time, the problems begin.

Deposits

- The interposing of endotoxins or metabolic residues between the capillaries and the cells will determine:
 - ⇒ A serious difficulty in cellular nutrition, given the barrier of acid free radicals accumulated in the interstitial space will destroy nutrients and will block oxygen from getting to the cells.
 - ⇒ An aggression on the cellular system. “Acid Residues” (uric, oxalic, carbonic, fatty acids, etc..) are corrosive and can burn the cells.

Pischinger System - Morbid State



Cellular Options

- In these conditions, the cells have two options:
 1. To die due to lack of oxygen, chemically burned by the free radicals accumulated in their interior (Fibrosis). Dead cells in the brain = Alzheimer's; in the brain stem = Parkinson's; nerves = Lateral/Multiple Sclerosis; etc...
 2. Defend themselves to survive.

How to Defend Themselves?

1. Retaining fluids in the interstitial space to dilute the acids and allow entrance of nutrients (weight gain).
2. Sequestering Na^+ , Ca^+ , K^+ from bone to form salts from the acids in soft tissue (osteoporosis, osteopenia).
3. Draining the acids through the skin or mucous membranes (psoriasis, eczema, ulcerations, etc..).
4. Mutating = Cancer. (Dumping interior potassium and absorbing sodium as a protection against being burned)

What is Mutation?

Healthy Cell Mutates to



Tumor Cell

The Healthy Cell:

Lives in an **Alkaline** medium

Lives **with** oxygen +++

Lives with **little** sodium ↓

Uses **Levo** Proteins ↻

The Tumor Cell:

Lives in an **Acid** medium

Lives **w/o** oxygen - **Anaerobic**

Lives with **high** sodium ↑

Uses **Dextro** Proteins ↻

Academic Medicine Proposes

- It gives us only 3 options, all rooted in the XII century:
 1. Decapitation
 2. Burn it
 1. Poison it
- And, if we maintain this XII century thinking, there is one more option.....

The Siege

The Siege implies:

To surround the enemy in it's castle and leave it without food or water.



How do we put the tumor under siege?

1. Alkalizing the person.
2. Hyposodic (low sodium) diet.
3. Selective action proteolytic enzymes.
4. Hyper-oxygenate the system.

Alkalinization

1. Alkalinizing the Individual:

- Recuperate the function of liver, kidneys and lungs.
- Eliminating the toxins in the interstitial space.

How?:

- Alkalinizing Diet
- Hydrotherapy
- Natural therapies
- Physical therapies



Diet

2. Diet: A meat, dairy and grain diet **acidifies** the urine, a vegetarian diet **alkalizes** the urine.

➤ **Vegetarian Diet:**

- A dirty filter is not a broken filter
- A dirty filter can be cleaned with water
- 95% of vegetables and fruits are water
- With a vegetarian diet you wash the filters, liver, kidneys and lungs



Continuing...

3. Phytotherapy

- A. Diuretic herbs clean out the kidneys and favor the elimination of acids. (Horsetail, Parsley)
- B. Hepatic herbs clean out the liver and help cholaretic function, helping the flow of bile. (Mullein, Dandelion, Milk Thistle)
- C. Pulmonary herbs clean out the lungs and help with the elimination of CO₂ (Fenugreek, Thyme, Green Tea)
- D. Immune stimulating herbs strengthen the immune system and activate NK cells. (Echinacea, Ginseng, Chlorella)

Hydrotherapy

- If we do thermal salt baths we have a dialysis effect through the skin.
- In hot springs' water we have a salt concentration of 20 grams of salt per liter.
- Our body plasma has a salt concentration of 9.4 grams per liter.
- This creates an osmotic gradient that helps pull out acids through the skin because there is twice the salt concentration in the bath water.



Hydrotherapy

- If we fill a tub $\frac{1}{2}$ full, that's 100 liters of water. Adding 2 kg (4.5 lbs) of sea salt we end up with a concentration of 20 grams of salt per liter.
- Once or twice a week we soak for 20 minutes, creating essentially a dialysis effect, cleansing acids and free radicals through the skin.



The Siege

➤ Hypo-sodic diet

- ❖ How does this diet affect the tumor cell?
- ❖ The tumor cell needs a lot of sodium to alkalize its' cytoplasm and survive the acid attack.

➤ How do we starve it to death?

7. Selective action proteolytic enzymes that only attack Dextro proteins.

Hyper-Oxygenating Tissue

8. Draining of toxins will allow more oxygen into the cells.
9. Ozone Therapy
10. Administering peroxidase enzymes

Physical Therapies

- Designed to reestablish functional and energetic cellular mechanisms:
 - Acupuncture
 - Osteopathy
 - Chiropractics
 - Physiotherapy
 - Frequency therapy
 - Magnetic Therapy
 - Light and Sound, etc...



Results

- Healthy Cell

The Healthy Cell:

- Lives in an **Alkaline** medium
- Lives with oxygen +++
- Lives with little sodium ↓
- Uses Levo Proteins ↻

- Tumor Cell

The Tumor Cell:

- It's medium is no longer **acidic**.
- Oxygen is toxic to **Anaerobic** cells.
- Starved of sodium. ↓
- Starved of Dextro Proteins ↓

The Healthy Cell

Basic Pischinger System

