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When the Europeans were migrants

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Migration in the world History

- We have to assume that migration has always been very important for all continents during the whole history of the mankind
- Most famous migrations of Europeans are related to the discovery of America and Australia
- For Russia very important are the migrations in Siberia and Far East

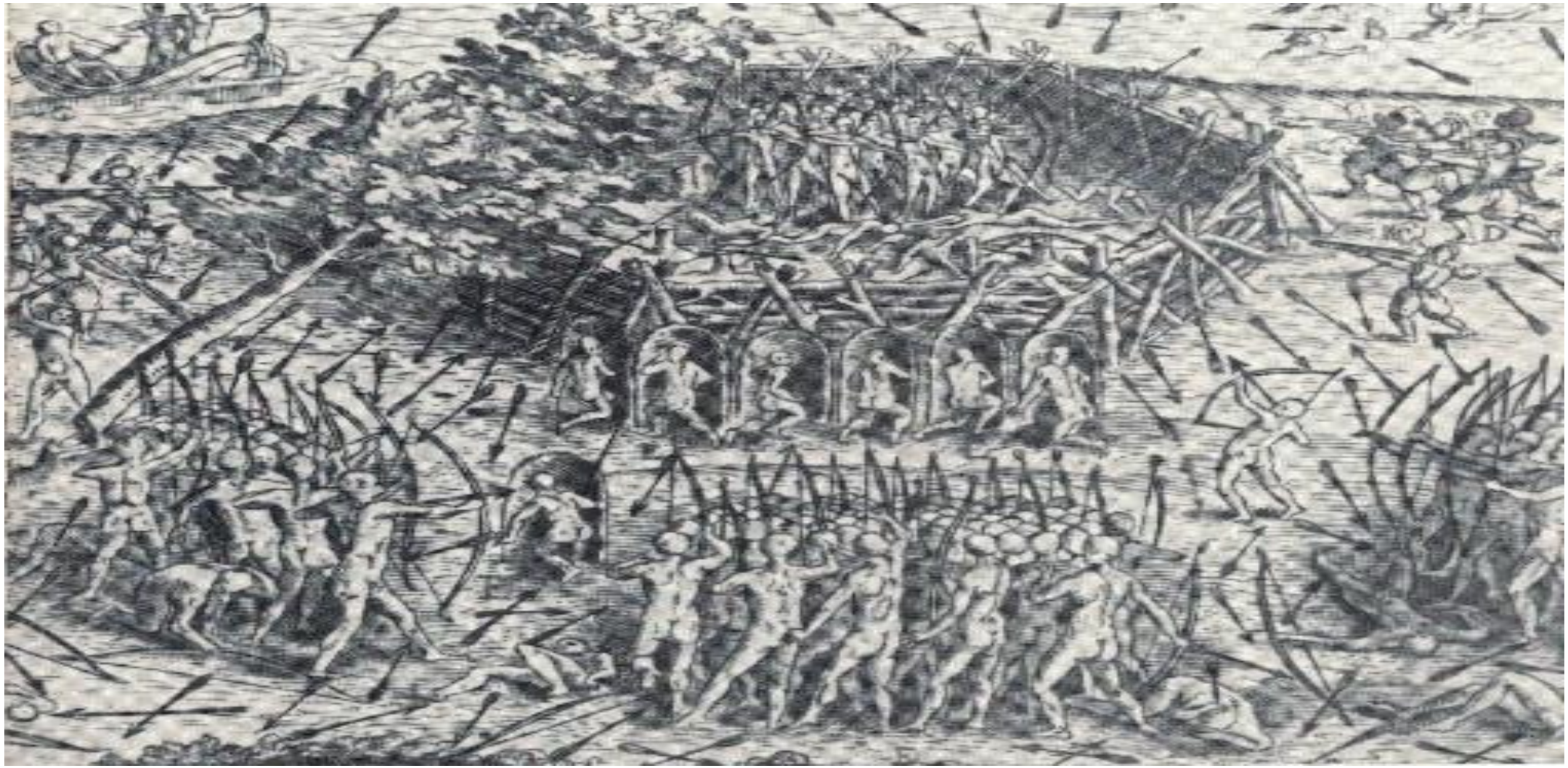
Migration in majority of cases leads to essential changes in life conditions

- Bad adaptation to tropical or arctic climate
- Lack of optimal nutrition
- Bad hygienic conditions
- Exposure to common and endemic infections
- Insufficient medical accompaniment

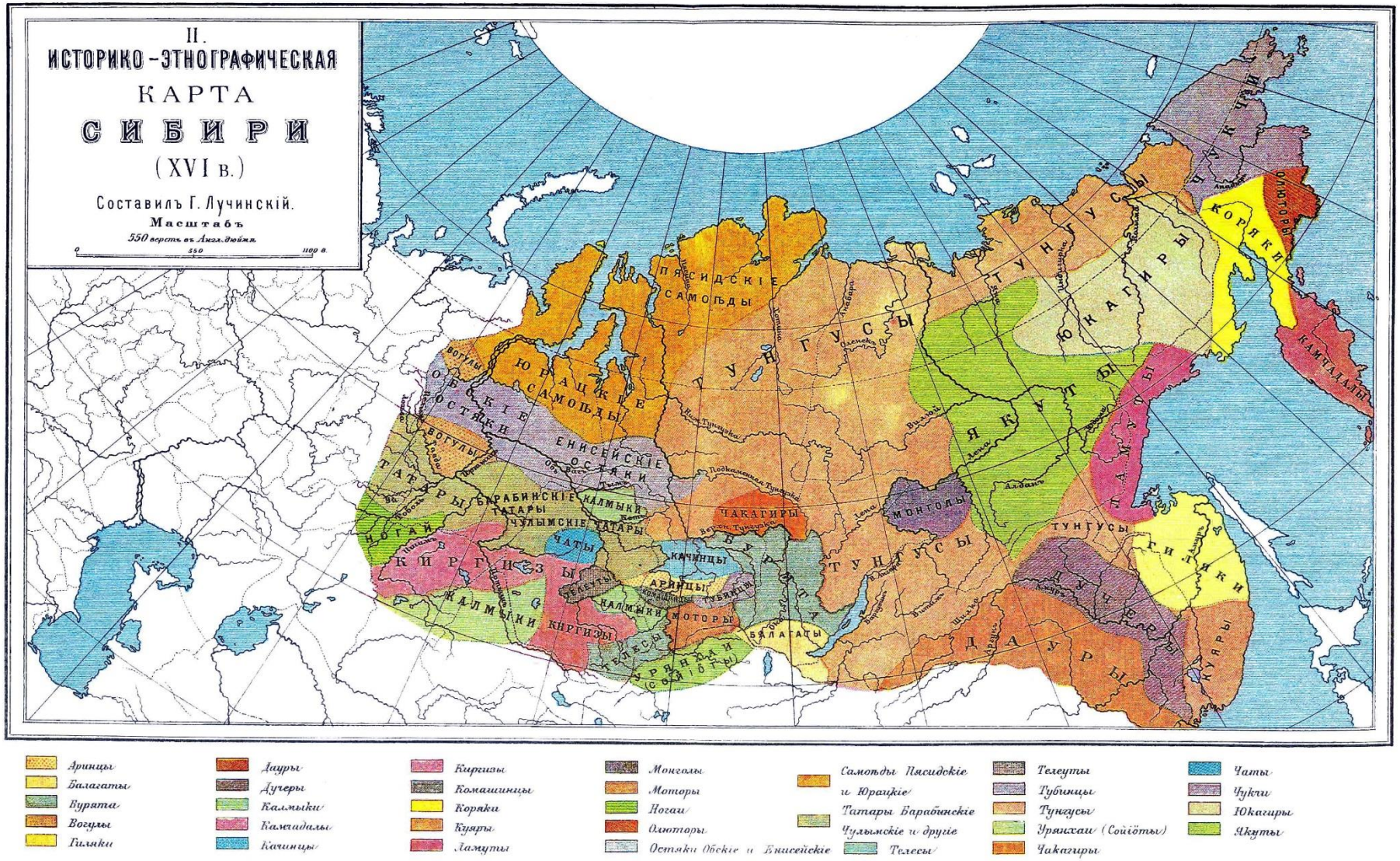
Factors influencing upon survival of the migrants

- Initial state of health
- Genetically predispose to certain diseases
- Organization of the migration by state, companies, societies et ca.
- Relations with the aborigines

Military conflicts (America)



Conquest of Sibiria



Military conflicts (Siberia)

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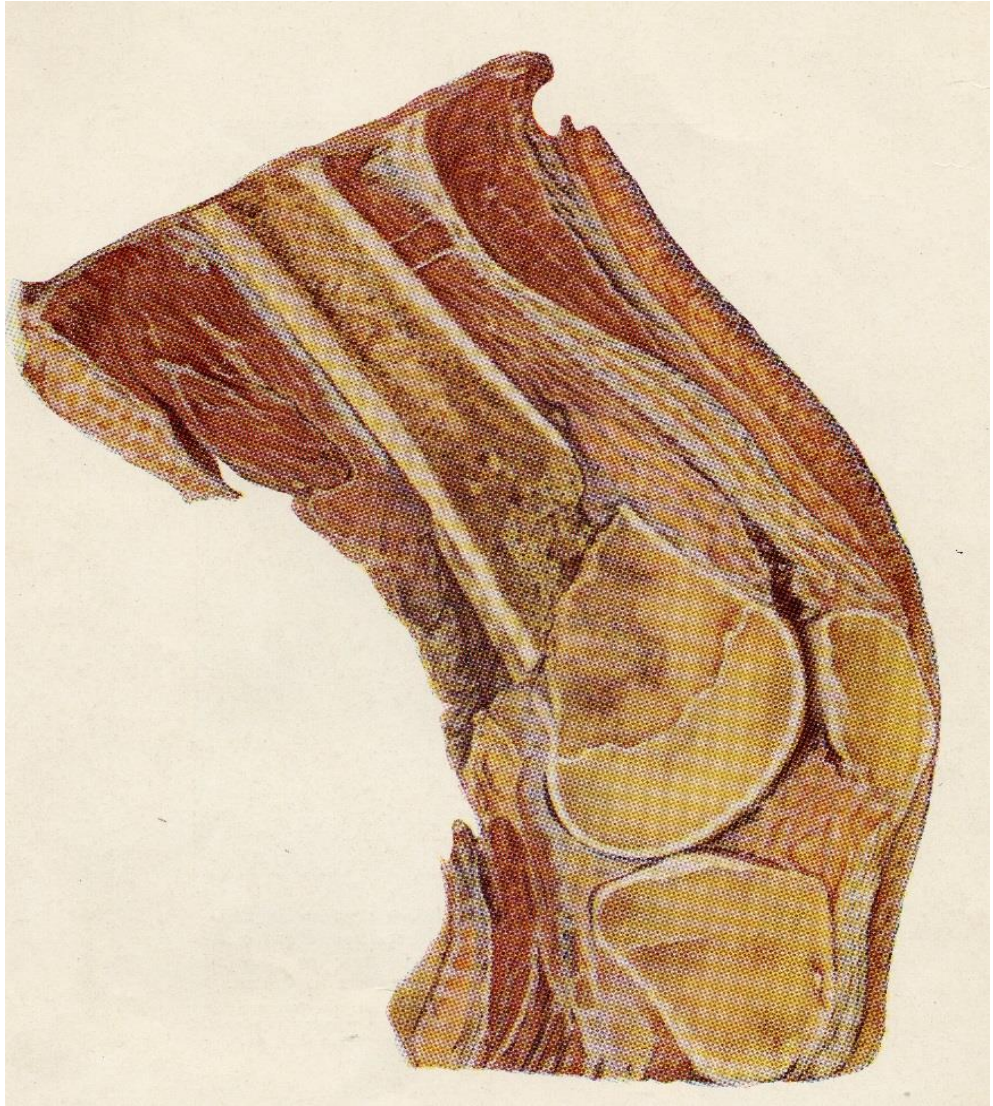
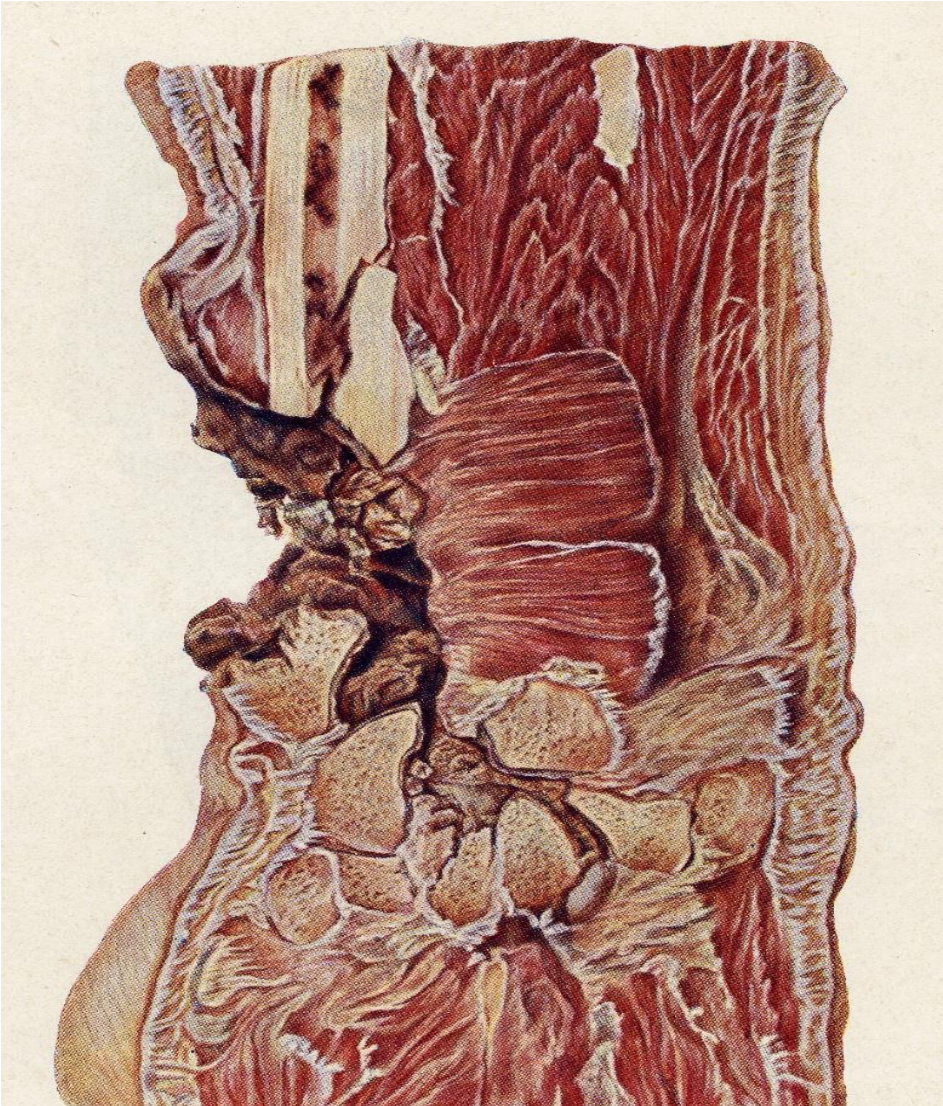
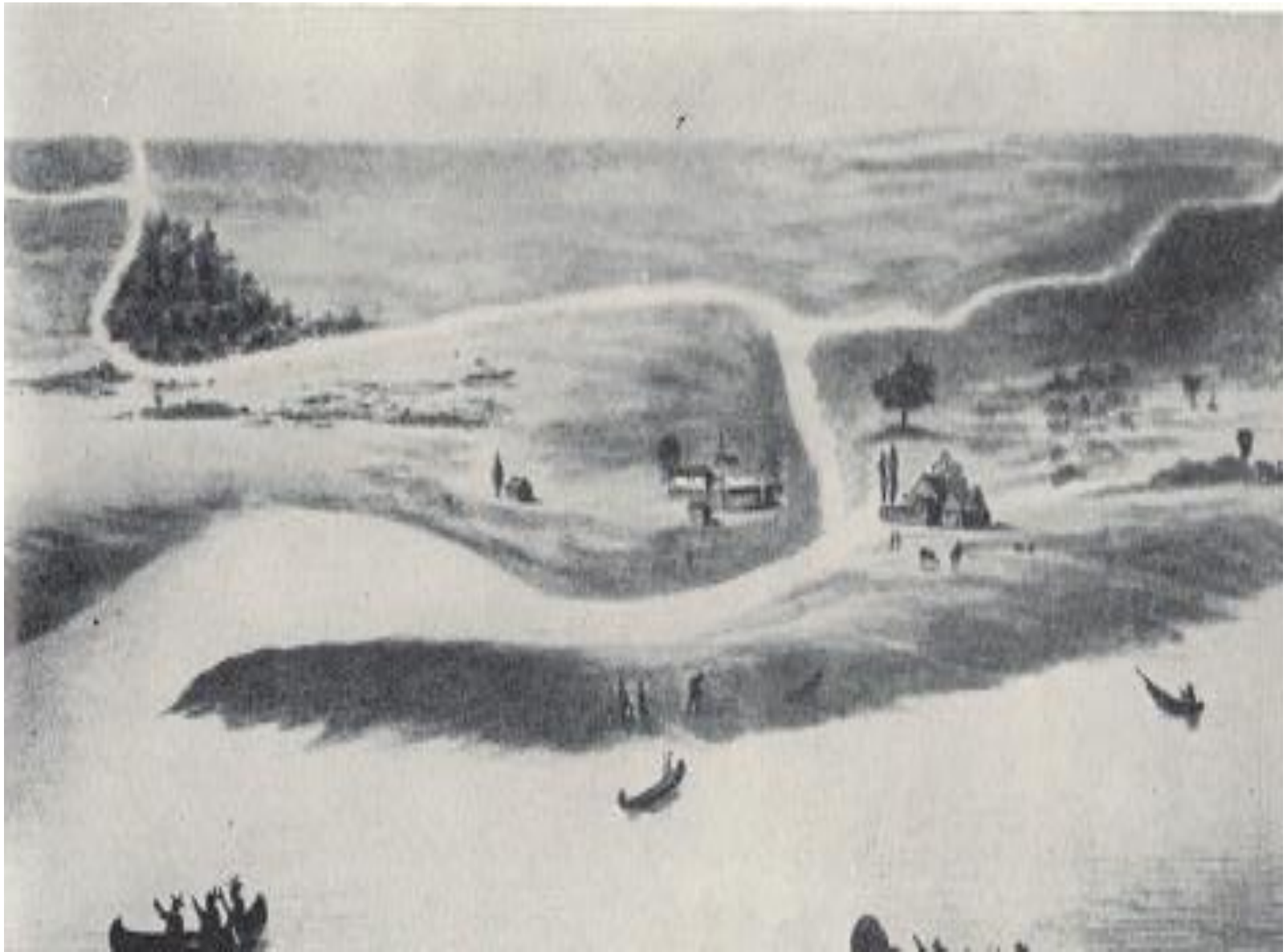
Different wounds





Unusual way of life and nutrition

First picture of New Amsterdam (later New York)



Unusual way of life and nutrition

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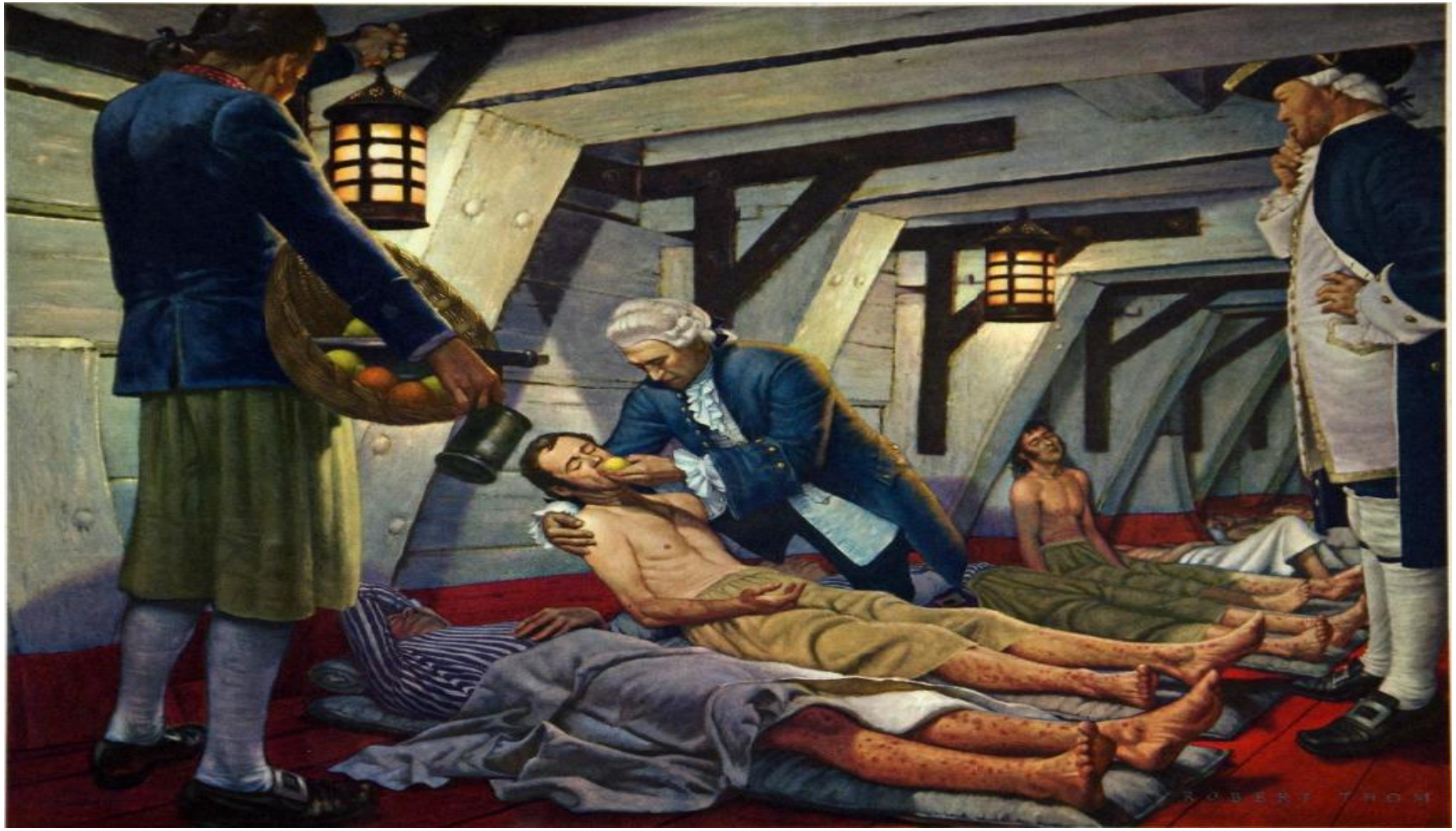
Scurvy (scorbut)



Main groups of infectious diseases

- Transmissivity
- Intestinal, related to poor water and food supply
- Sexual transmitted

Most important transmissive infections

- Malaria
- Plague
- Encephalitis (tick-born, mosquitos)
- Yellow and other hemorrhagic fewer

Malaria encephalitis

Hemorrhagic nephritis

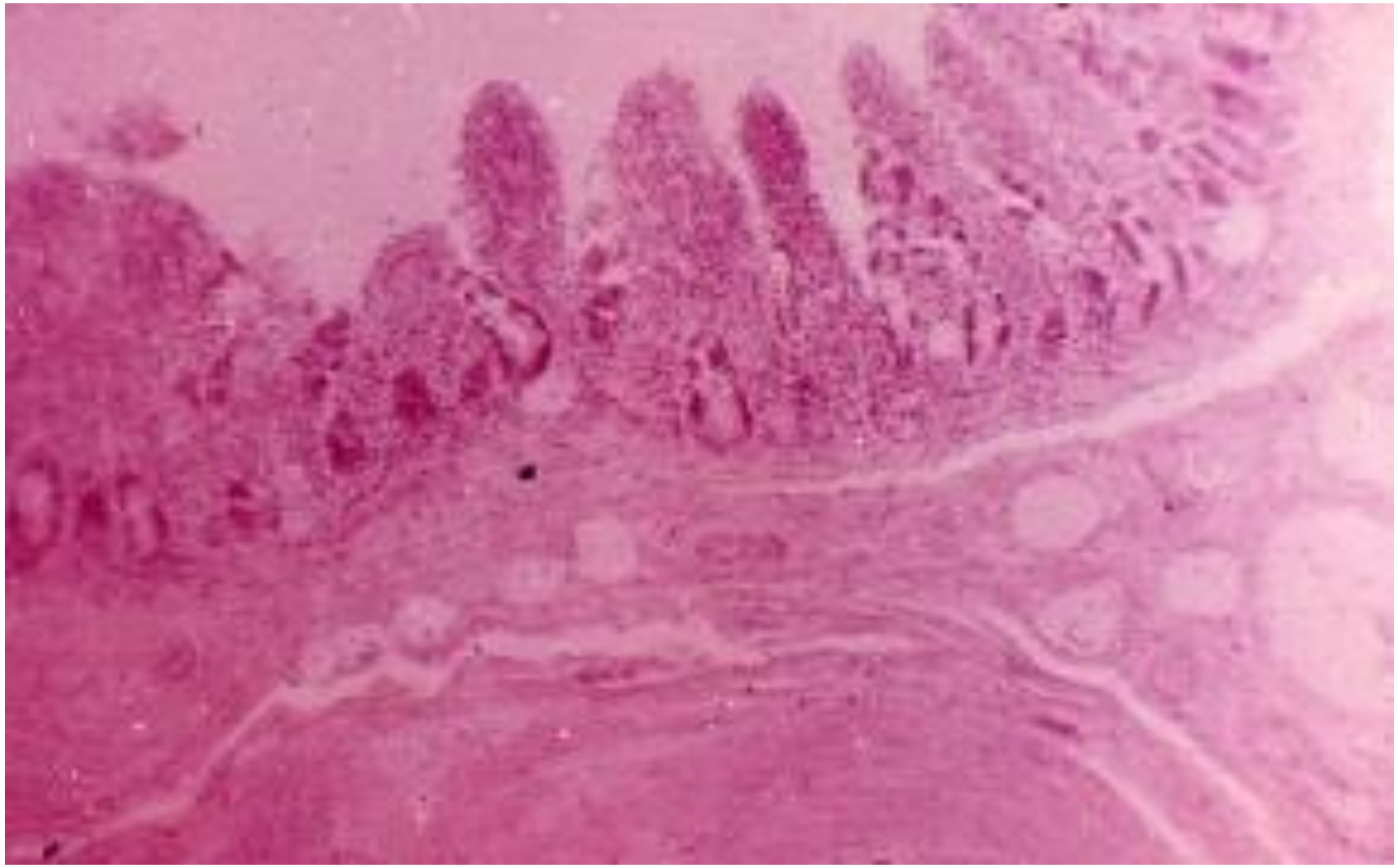
Most important intestinal infections

- Dysentery
- Typhoid fewer
- Amebiases
- Cholera

Severe colitis

Typhoid fewer

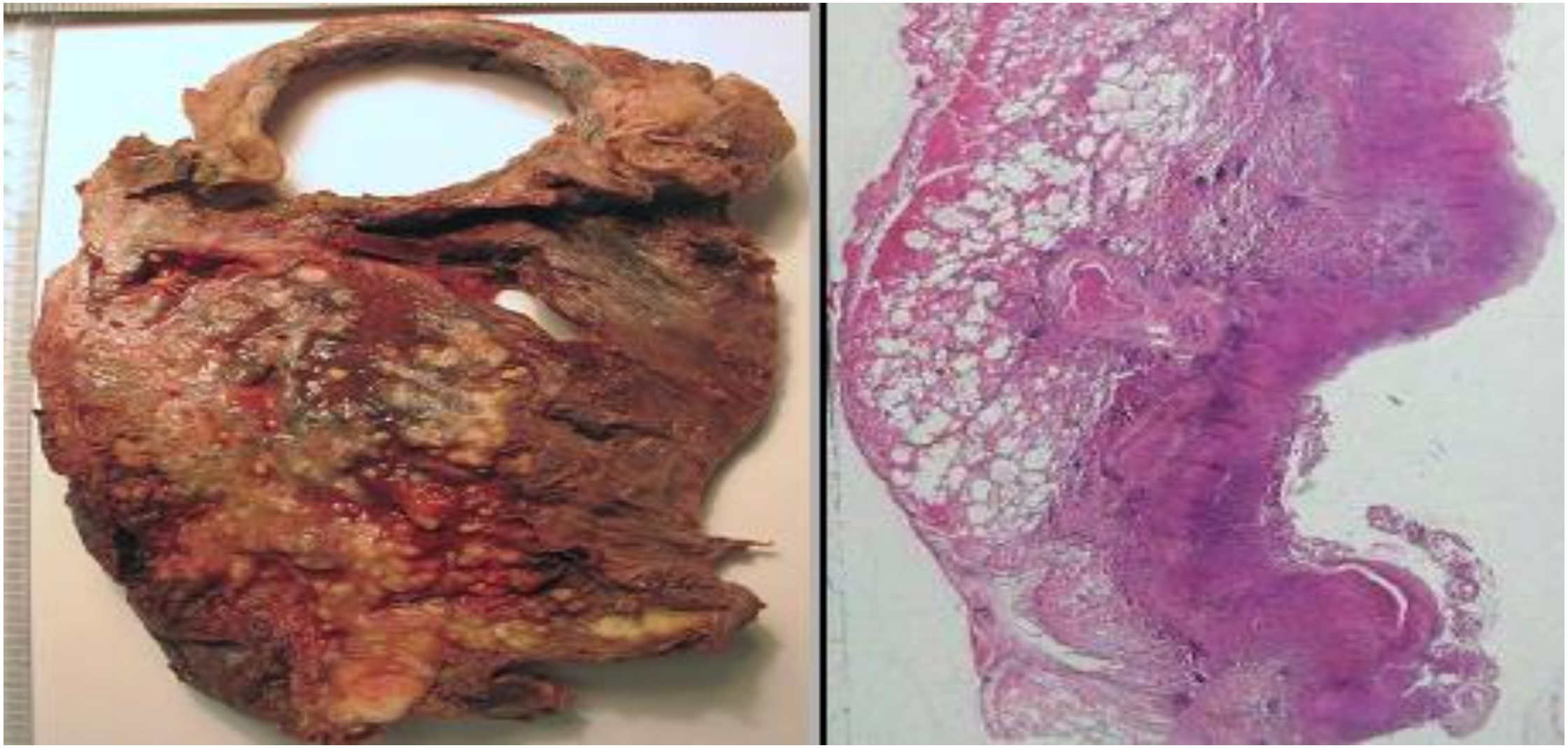
Cholera

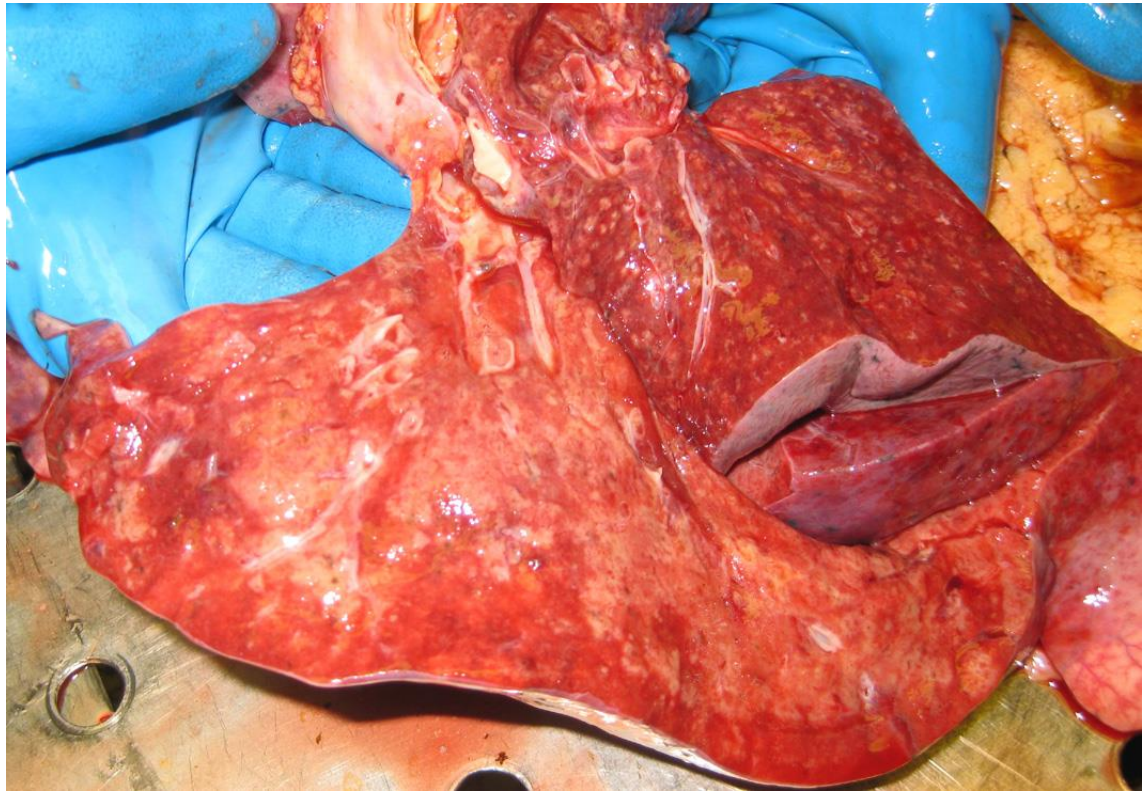


Most important aerogenic infections

- Tuberculosis
- Influenza
- Measles

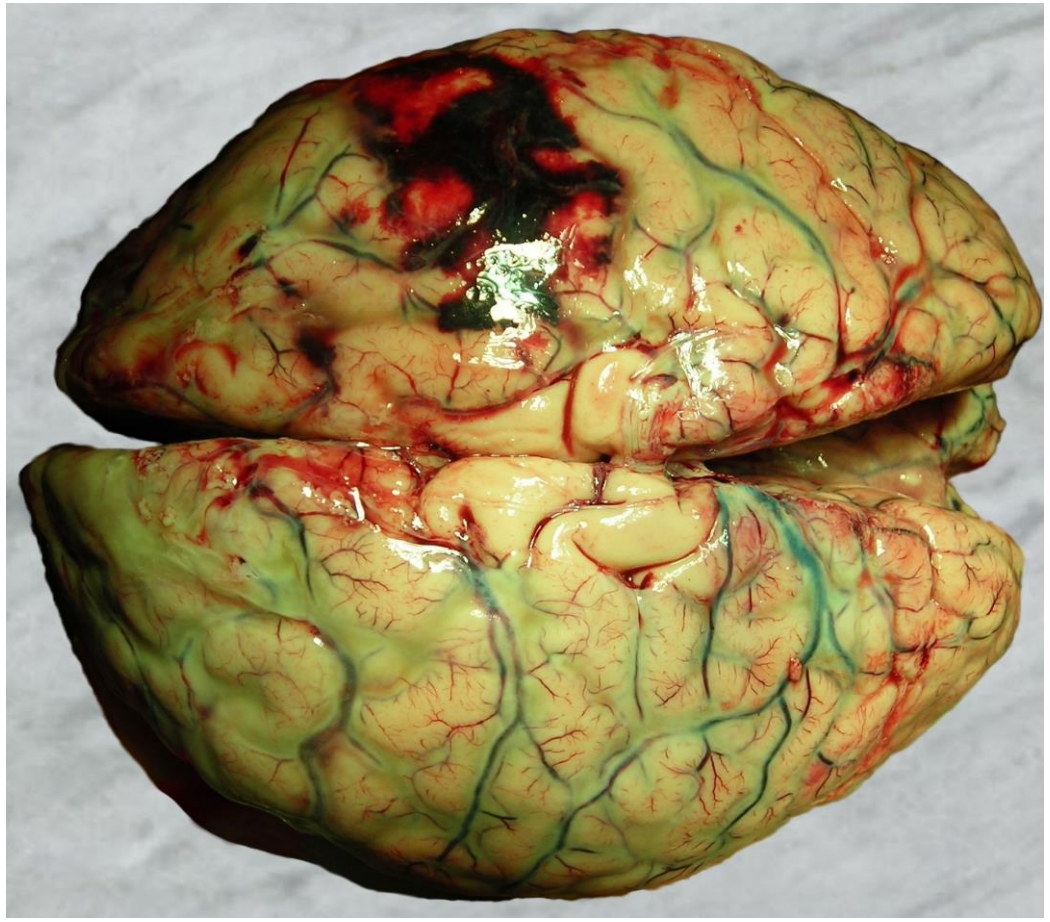
Fibro-cavernous tuberculosis





Measels

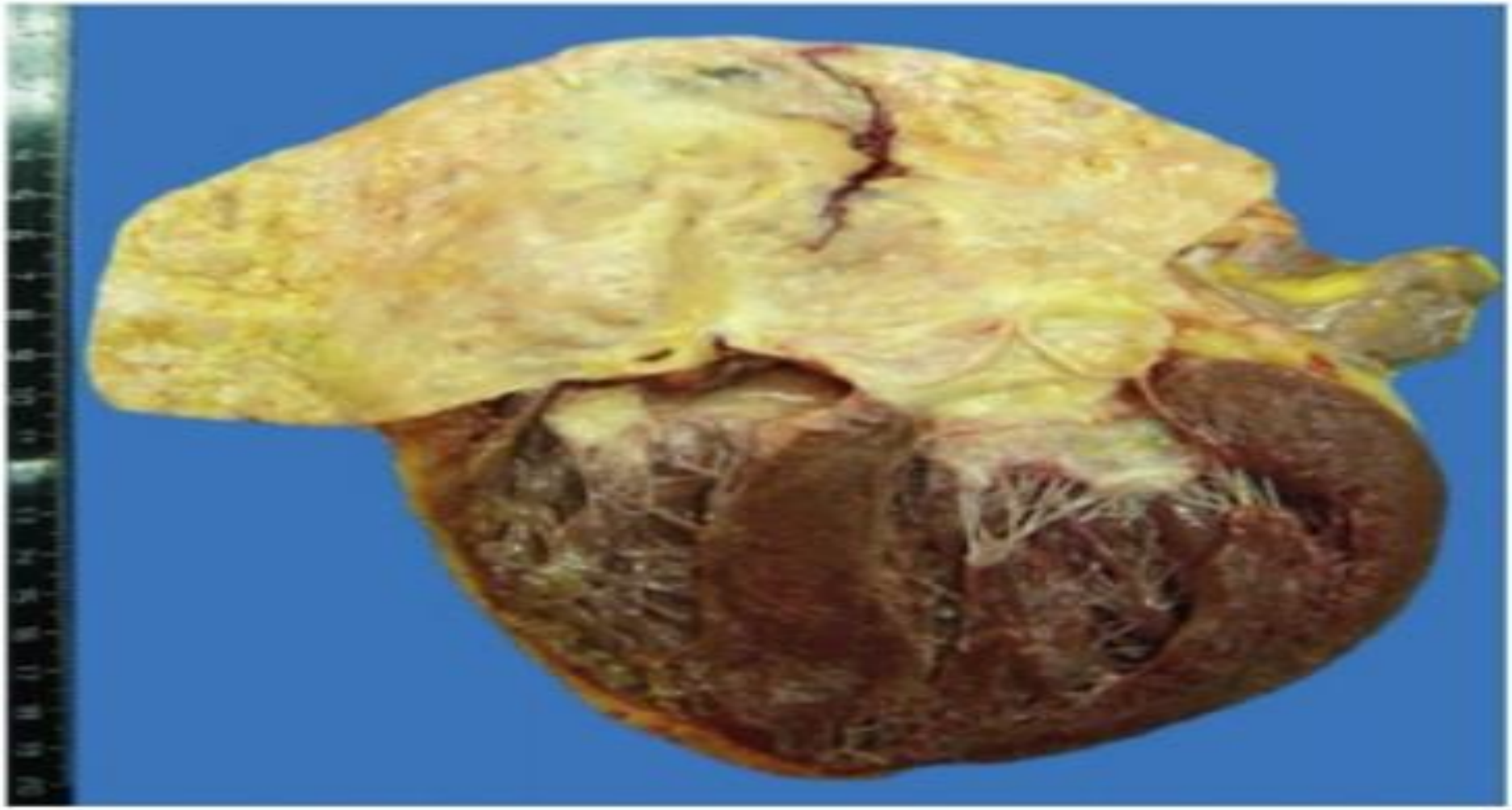
Purulent meningitis



One of the most important infections

- Syphilis (lues)

Syphilitic aortitis



Important aspect

- For many infections is known different mortality in aborigines and migrants
- Does it depend only from immunity or inborne susceptibility as well?

How to study morbidity and mortality?

- Basing on written documents, letters, evidences etc
- Basing on result of paleopathology

I thank you for your attention