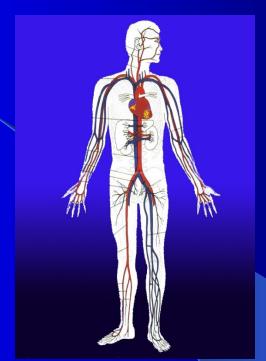
DIFFERENTIAL DIAGNOSIS



the lower limb pain

Differential diagnosis is an ability of ALL physicians





The specific treatment of the particular disease is the ablity a physician with the particular speciality



The principle of DD is reverse to learning

Learning – starts with organ systems and gets deeper into different pathologies with deifferent symptoms

DD – starts at a symptom and tries to find its origin – the diseae





The Leading Symptom vs Accompanying symtpoms

e.g. PAIN Vs. al – mobility, neural disorder, blour and temperature, gatheri Distant – fever, headache, bac

pain...





Exclude life threatening conditions

Critical ischaemia Deep venous thrombosis Syndrome of cauda



Achilles tendinitis

- Achilles tendon rupture
- ••ACL injury (tearing of the anterior cruciate ligament in your knee)
- Ankylosing spondylitis
- ••Baker's cyst
- ••Bone cancer
- ••Broken leg
- ••Bursitis (joint inflammation)
- Chronic exertional compartment syndrome
- Claudication
- ••Deep vein thrombosis (DVT)
- ••Gode (arthritis related to excess uric acid)
- ••G the pains
- ••@r th plate fractures

Possible diseases

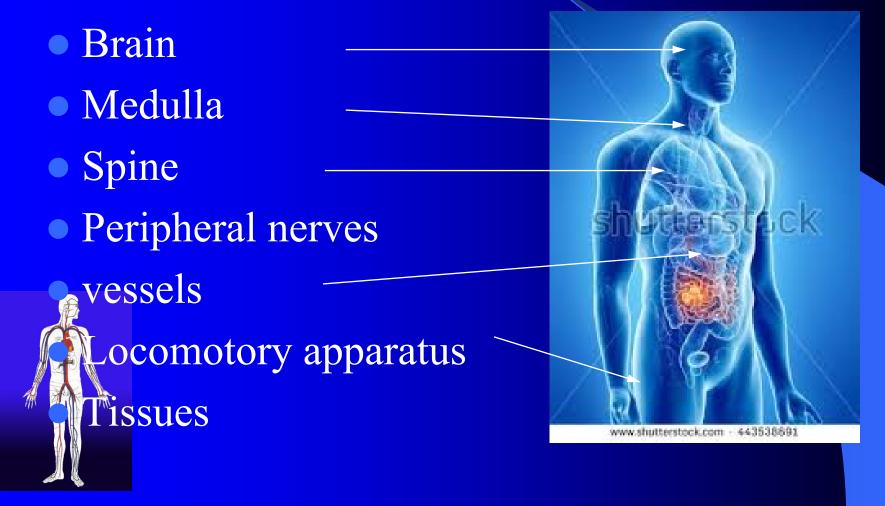
- •Hamstring injury
- ••Herniated disk
- Infection
- ••Juvenile idiopathic arthritis (formerly known as juvenile rheumatoid arthritis)
- •Knee bursitis (inflammation of fluid-filled sacs in the knee joint)
- ••Legg-Calve-Perthes disease
- Meralgia paresthetica
- Muscle cramp
- ••Muscle strain
- ••Night leg cramps
- Osgood-Schlatter disease
- ••Osteoarthritis (disease causing the breakdown of joints)

Possible diseases

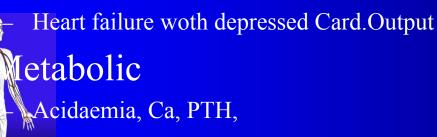
- •Osteochondritis dissecans
- ••Osteomyelitis (a bone infection)
- ••Paget's disease of bone
- ••Patellar tendinitis
- ••Patellofemoral pain syndrome
- ••Peripheral artery disease
- ••Peripheral neuropathy
- ••Posterior cruciate ligament injury
- Pseudogout
- •Psoriatic arthritis
- Reactive arthritis
 - neumatoid arthritis (inflammatory disease)

- •Sacroiliitis
- ••Sciatica
- ••Septic arthritis
- ••Shin splints
- Spinal stenosis
- ••Sprains
- ••Stress fractures
- ••Tendinitis
- ••Thrombophlebitis (a blood clot that usually occurs in the leg)
- Torn meniscus
- Varicose veins

The problem arises from CNS to very periphery



- Locomotory app.
 - Trauma, Inflammation,
- CNS
 - Tumours, neuralgias
- Peripheral nerves
 - Redicular et related. syndromes
- Tissues
 - Ischaemia, infection,
- Cardiac



- Vascular
 - Thrombosis, embolia, stenosis





Specialist involved

- Psychiatrist
- Neurologist
- Rheumatologist
- Angiologist
- Orthopedist
- Surgeon Traumatologist Physiotherapist



The leading symptom - pain

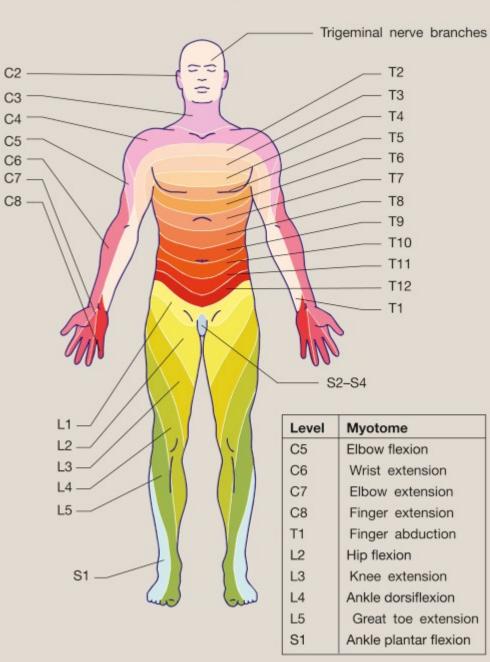
- Sharp and hot neuropathic
- Well localised somatic nerves affection
- Blunt inflammation, ischaemia
- Pulsating innflammation, disecting aneurysm

Cramps – hormonal and mineral disorders

Myotomal distribution of root symptoms

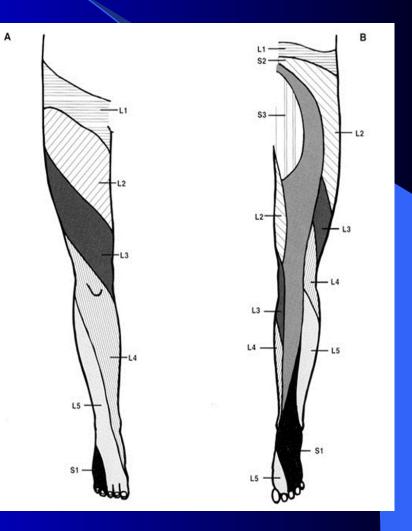


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Irradiation

Within neurodermatoma
Along artery





Duration and time pattern

- All the time
- Upon strain
- In rest only
- After some period of walking





Accompanying symtpoms

Skin discoloration – paleness,
Hypaesthesia/anaesthesia/paraesthesia
Back pain – neuropathic
Fever





Examination methods

Anamnesis

EMG

- Physical examination
- Blood chemistry and count
- Imaging methods X-ray, US, CT, MRI, …



Anamnesis

- Both family and personal
- Thrombosis, embolisation, Atrial fibrilation, Horminal contraception, thrombophilia, Tobacco abuse (passive too)...

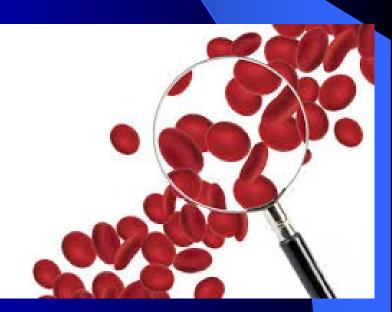
Daily routines, occupational anamnesis, trauma

Physical examination

- Colour
- Temperature
- Swelling
- Joint pain, extent of movements, fluctuation, balottement
- Pulsations
- Signs of DVT Neurologic tests – Lassegue, irritation or depreciation Treadmill test

Blood chemistry

• DD, LD, myoglobine • CRP, Leu, ASLO, CIK, ANA • Uric acid ABR, Ca, Mg. Calcitonine, Parathormon



Imaging methods

USCTAgMRI



Neurologic tests





Break or finish 🙂 🙂 🙂



