CLINICAL CASE PRESENTATION



Angélique Sadlon University Hospital Basel

SWISS DELEGATION

Lisa Brockhaus Kant**onssp**ital Bas**elland**



Angélique Sadlon - Universitätsspital Basel



64 YEAR OLD MAN brought in by ambulance

MAIN SYMPTOMS

- FEVER PEAKS IN THE LAST 2 WEEKS
- LACK OF COORDINATION IN THE LEFT HAND

R(eview) O(f) S(ystems):

- 2 days of diarrhea in the last week
- Chronic productive cough
- No weight lost, no night sweats

PERSONAL HISTORY

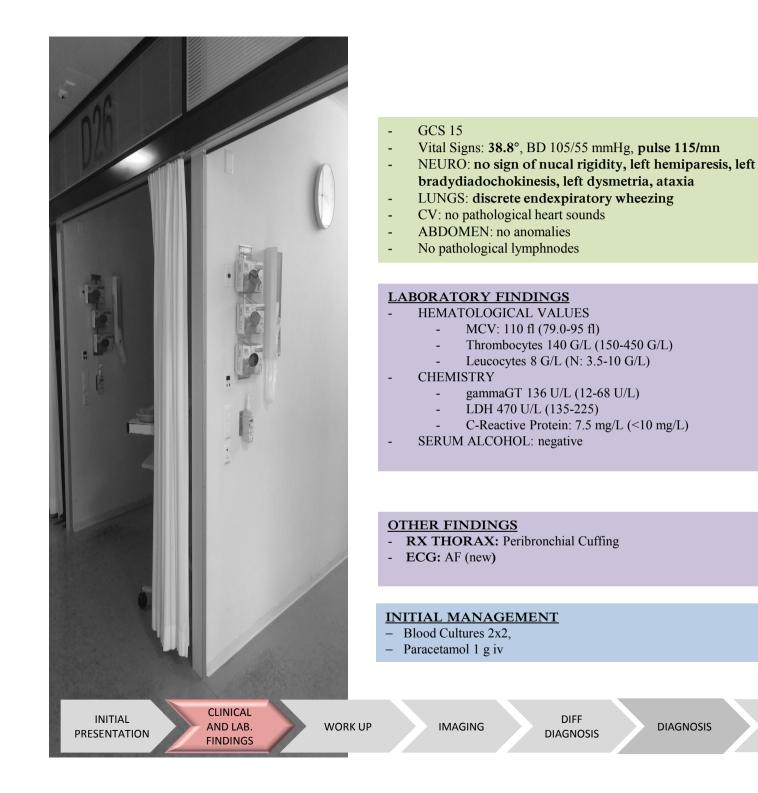
- ALCOHOL DEPENDENCY (PAST STORY ACCORDING TO THE PATIENT...)
- DILATATIVE CARDIOMYOPATHY (2009)

MEDICATION

- Carvedilol Tbl 12.5 mg 1-0-0
- Torasemid Tbl 5 mg 1-0-0
- Enalapril Tbl 10 mg 1-0-0
- Acidum acetylsalicylicum Tbl 100 mg 1-0-0
- Pantoprazol Tbl 40 mg 1-0-0

TOBACCO CONSUMPTION: stopped in 2009, before 60 UPY ALCOHOL CONSUMPTION: 2 beers/Day (sometimes more...)





DIFF

DIAGNOSIS

CLINICAL **EXAMINATION**

LABORATORY VALUES

OTHER INVESTIGATIONS

INITIAL MANAGEMENT

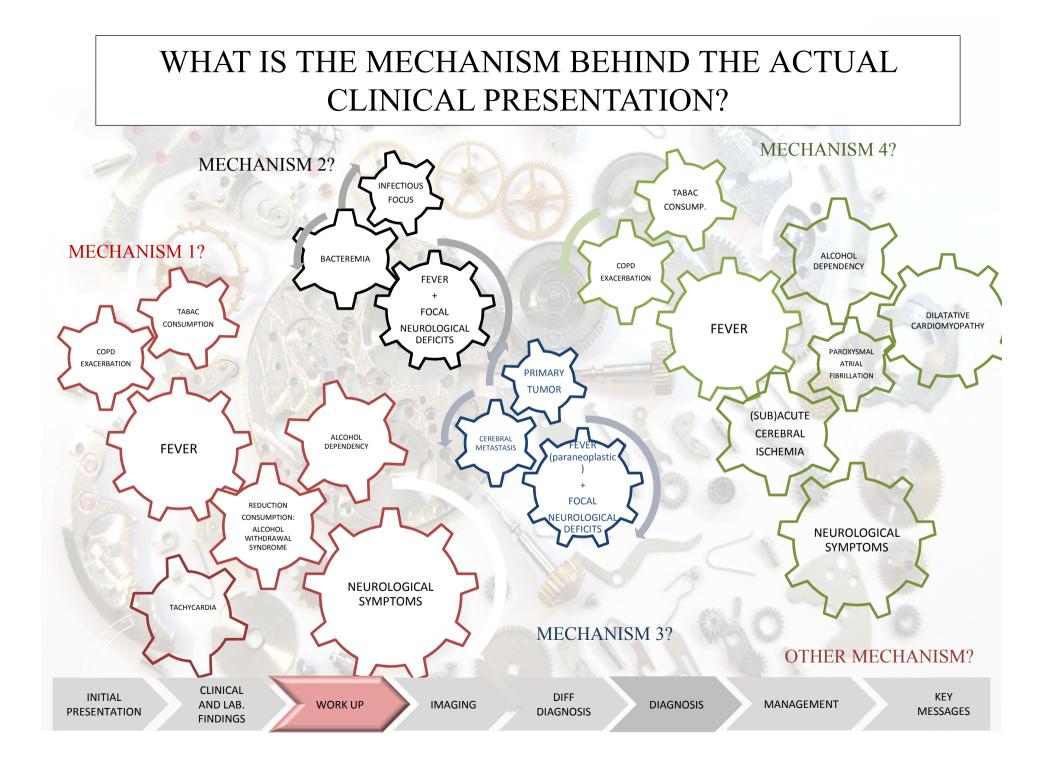
MANAGEMENT

KEY

MESSAGES

WHAT IS THE MECHANISM BEHIND THE ACTUAL CLINICAL PRESENTATION?



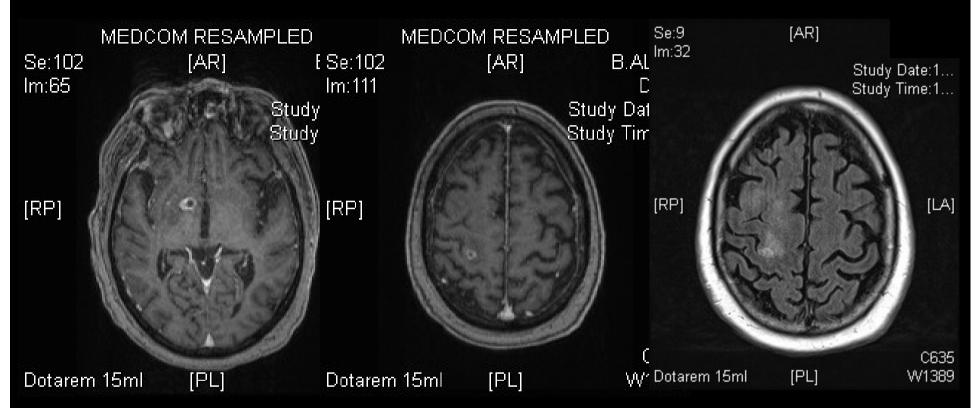


(IF YOU HAD THE CHOICE) WHAT WOULD YOU DO <u>NEXT</u>?



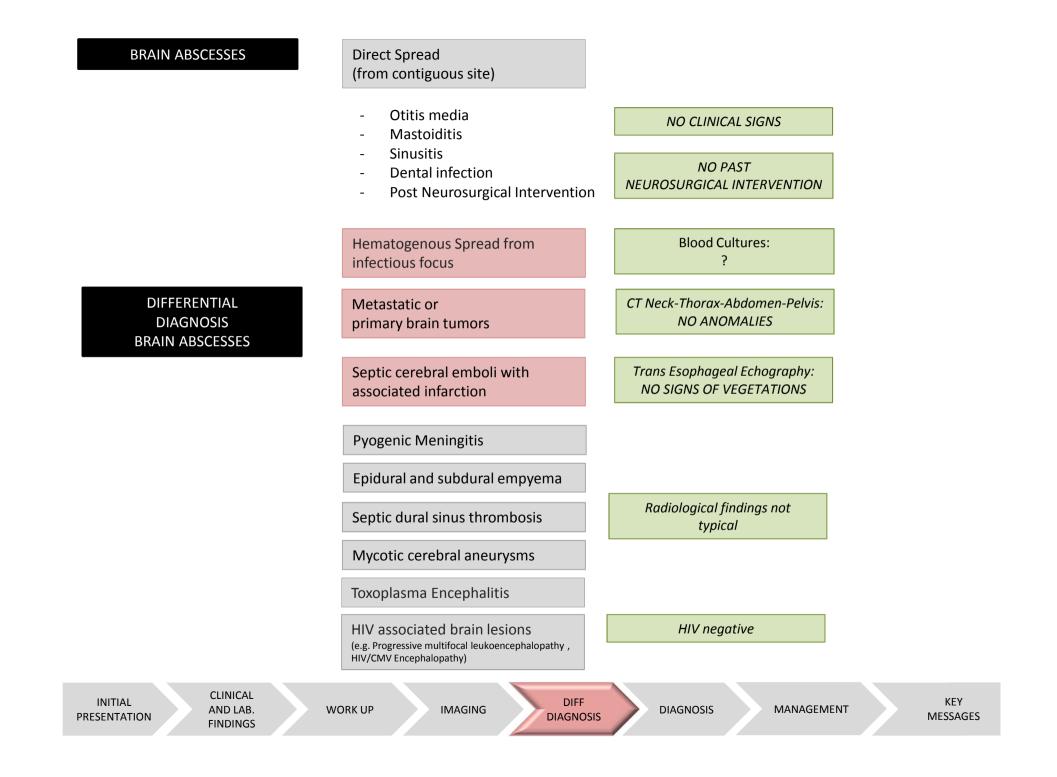


BRAIN MRI (WITH CONTRAST)



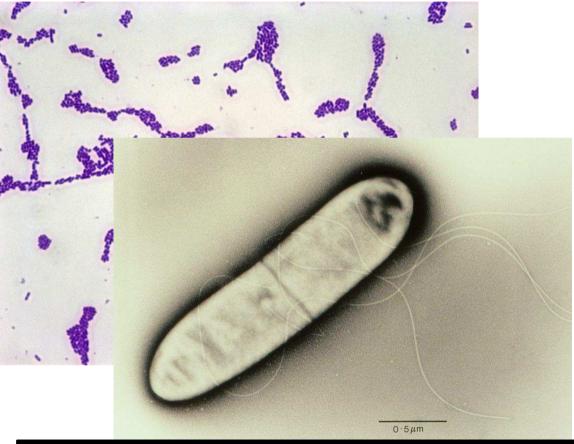
- Cerebritis
- Multiple small abscesses (e.g: capsula interna right, pallidum right, precentral right)







BLOOD CULTURE POSITIVE! (Time to Positivity: 20h)



Listeria Monocytogenes Sepsis

IMAGING

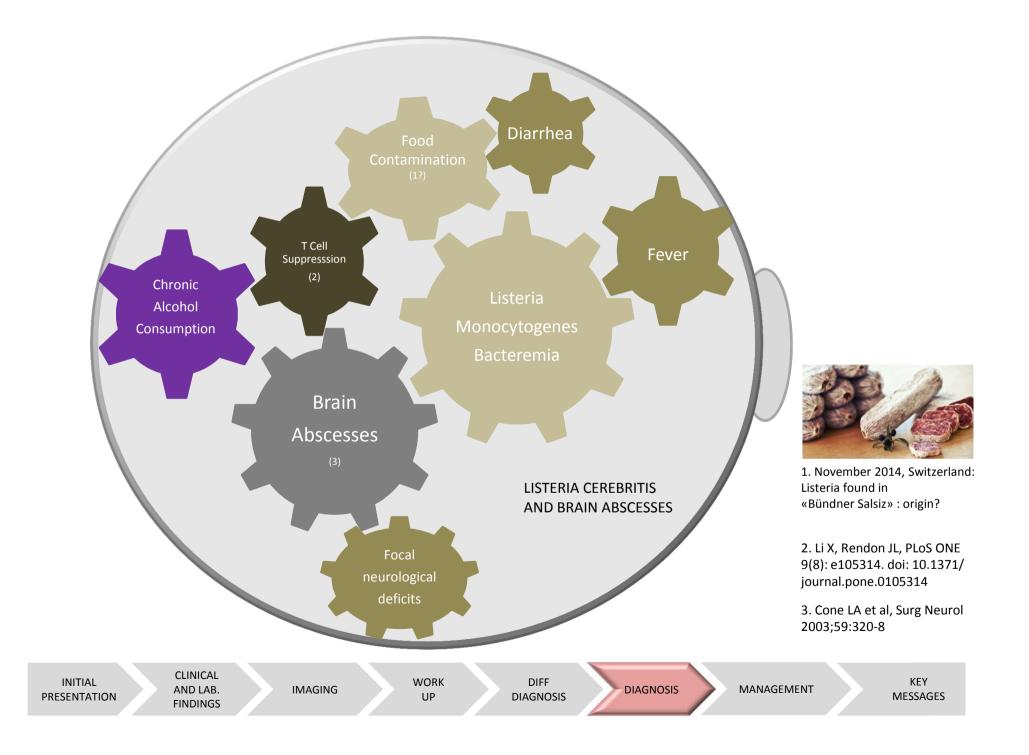
DIAGNOSIS DIAGNOSIS

DIFF

MANAGEMENT

KEY MESSAGES





TREATMENT AND CLINICAL COURSE

- Beginn with first line regimens
 - Ampicillin 2g iv every four hours
 - Gentamicine (3 mg/kg per day iv divided in three doses)
- Gentamicin stopped after ~2 weeks because of ototoxicity
- Duration therapy: 8 weeks
- Control MRI Brain (3 weeks after): abscesses reduced in size



KEY MESSAGES

 ~ 6.5% of all age groups with listeriosis present with nonmeningitic cerebritis, meningoencephalitis, rhombencephalitis, ~ 1% will present with brain abscesses

Cone LA et al, Surg Neurol 2003;59:320-8

- <u>Risk factors:</u> pregnancy, corticosteroid therapy, other immunsuppressive conditions (cancer, AIDS, ironoverload, alcoholism, liver disease, diabetes, collagenvascular disease)
- Gentamicin therapy indicated by CNS involvement

INITIAL PRESENTATION CLINICAL AND LAB. FINDINGS WORK UP IMAGING DIFF DIAGNOSIS DIAGNOSIS MANAGEMENT KEY MESSAGES



THANK YOU

ESIM Winter School 2015 RIGA, LATVIA

Angélique Sadlon University Hospital Basel

SWISS DELEGATION

Lisa Brockhaus Kant**onssp**ital Bas**elland**



Angélique Sadlon Universitätsspital Basel