

02 infections of the nervous system

Indication	Therapy	Dose	Duration of therapy	Remarks
Meningitis, bacterial				
- Infecting micro-organism unknown				
Primair				
Patiënt < 3 month	ceftriaxon + amoxicillin	100 mg/kg q 24h iv 200 mg/kg q 6h iv		Start therapy as soon as possible Consider starting dexamethason
Patiënt > 3 month	ceftriaxon	50 mg/kg q 24h iv		
patient < 60 years	ceftriaxon	2000 mg q 12h iv		
Patiënt > 60 years	ceftriaxon + amoxicillin	2000 mg q 12h iv 2000 mg q 4h iv		
Secundair postoperative, trauma, spina bifida etc..	flucloxacillin ceftazidim	2000 mg q 4h iv 2000 mg q 8h iv		
- Infecting micro-organism known				
<i>N. meningitidis</i> and <i>S. pneumoniae</i> :	benzylpenicillin	2 milj. E q 4h iv children 200.000 E/kg in 6 doses)	Pneumococci meningitis at least 14 days. Meningococci meningitis at least 7 days	when <i>S. pneumoniae</i> : start dexamethason as well
<i>Haemophilus influenzae</i> :	ceftriaxon	2000 mg q 12h iv	7 days	If the strain is sensitive to amoxicillin change to amoxicillin 50 mg/kg q 6h iv (max. 2 g q 4h iv)
<i>Gramnegative rods</i> including <i>Pseudomonas</i> :	ceftazidim	2000 mg q 8h iv	3 weeks	
<i>Listeria monocytogenes</i>	amoxicillin	2000 mg q 4h iv	2-6 weeks	
<i>Streptococcus agalactiae</i> (group B):	benzylpenicillin	40.000 E/kg q 4h iv	14 days.	
<i>Borrelia burgdorferi</i> (neuroborreliosis):	ceftriaxon	2000 mg q 12h iv	14 days	
Ventriculoperitoneal (VP) drain-infections				change the whole system and use temporary an external drain
<i>Staphylococcus aureus</i> or <i>Staphylococcus epidermidis</i>	Vancomycin + rifampicin	1000 mg q 12h iv 300 - 450 mg q 12h po	2-3 weeks 2-3 weeks	
If the strain is sensitive for flucloxacillin:	flucloxacillin	2000 mg q 4h iv	2-3 weeks	
<i>Propionibacterium acnes</i> :	benzylpenicillin	24 milj. E per dag		by continue infusion
Encephalitis, viral				
<i>Herpes simplex</i> and <i>Varicella-zoster virus</i>	aciclovir	10 mg/kg q 8h iv	10-14 days	
<i>Varicella-zoster virus</i> infection of the cranial nerves	aciclovir ór aciclovir followed by: valaciclovir	10 mg/kg q 8h iv 10 mg/kg q 8h iv 1000 mg q 8h po	 5 days 7-10 days	

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Hersenabscess				
General/dental	Benzylpenicillin + metronidazol + flucloxacillin	2 milj E q 4h iv 500 mg q 8h iv 2000 mg q 4h iv	> 6 weeks > 2 weeks > 6 weeks	Culture essential! Therapy on guidance of culture results and sensitivity pattern
Otogeen	Ceftazidim + Benzylpenicillin + metronidazol +	200 mg q 8h iv 2 milj E q 4h iv 500 mg q 8h iv	> 6 weeks > 6 weeks > 2 weeks	
After trauma	Ceftriaxon + flucoloxacillin + metronidazol	2000 mg q 12h iv 2000 mg q 4h iv 500 mg q 8h ov	> 6 weeks > 6 weeks > 2 weeks	