

Diagnostic Process PJI

Suspected PJI

(clinical signs of infection,
hints in laboratory results,
hints in imaging, presence
of fistula)

No antibiotic treatment before sample
collection (puncture or biopsy) !

Standardised Diagnostics: medical
history, clinical examination, X-ray in two
planes, laboratory examination

Screening for
secondary
foci

Joint Puncture

Infection not confirmed or punctio sicca

Infection confirmed

(pathogen identified, cell count
>2000/ μ l leucocytes, >70%
granulocytes, histology Krenn type 2
or 3)

symptoms < 4 weeks

symptoms > 4 weeks

Acute Infection

Chronic Infection

Primary implantation < 4 weeks

Primary implantation > 4 weeks

Early Infection

Acute Late Infection