**Supplementary File 1: Search Strategy for different Databases**

**PubMed = 504**

(("nocardia infections"[MeSH Terms] OR nocardia infection[Text Word]) AND ("cerebrum"[MeSH Terms] OR "brain"[MeSH Terms] OR cerebral[Text Word])) OR CNS[All Fields] OR (intracranial[All Fields] AND ("meningitis"[MeSH Terms] OR meningitis[Text Word])) AND ("brain abscess"[MeSH Terms] AND brain abscess [Text Word]) OR “spine” "[MeSH Terms] OR “spinal” "[MeSH Terms] OR “subdural” "[MeSH Terms] AND ("treatment outcome"[MeSH Terms] OR treatment outcome[Text Word]) OR disseminated nocardiosis OR disseminated nocardia

**Google scholar = 170**

((CNS nocardiosis OR cerebral nocardiosis or intracranial nocardiosis)) AND ((meningitis OR brain abscess OR spinal abscess OR subdural abscess)) AND ((risk factors OR comorbidities)) AND ((treatment outcome OR mortality))

**Scopus = 222**

(TITLE-ABS-KEY ( cerebral AND nocardiosis ) )  OR  ( TITLE-ABS-KEY ( CNS AND nocardiosis ) )  AND  ( TITLE-ABS-KEY ( clinical AND manifestations ) )  OR  ( TITLE-ABS KEY ( brain AND abscess ) )  OR  ( TITLE-ABS-KEY ( meningitis ) )  AND  ( TITLE-ABS-KEY ( case AND report ) )  OR  ( TITLE-ABS-KEY ( case AND series ) )  OR  ( TITLE-ABS-KEY ( treatment  AND outcome ) )  OR  ( TITLE-ABS-KEY ( mortality ) )

**Supplementary File-2: References of all 129 articles included in Systematic review**

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