

Appendix 1

Growth velocity

PubMed

<http://www.ncbi.nlm.nih.gov/pubmed?otool=leiden>

((("Pituitary Neoplasms"[Mesh] OR "pituitary tumor"[tw] OR "pituitary tumors"[tw] OR "pituitary tumour"[tw] OR "pituitary tumours"[tw] OR "pituitary cancer"[tw] OR "pituitary cancers"[tw] OR "pituitary carcinoma"[tw] OR "pituitary carcinomas"[tw] OR "pituitary neoplasms"[tw] OR "pituitary neoplasms"[tw] OR "pituitary malignancies"[tw] OR "pituitary adenoma"[tw] OR "pituitary adenomas"[tw] OR "pituitary macroadenoma"[tw] OR "pituitary macroadenomas"[tw] OR "pituitary tumor"[title/abstract:~3] OR "pituitary tumors"[title/abstract:~3] OR "pituitary tumour"[title/abstract:~3] OR "pituitary tumours"[title/abstract:~3] OR "pituitary cancer"[title/abstract:~3] OR "pituitary cancers"[title/abstract:~3] OR "pituitary carcinoma"[title/abstract:~3] OR "pituitary carcinomas"[title/abstract:~3] OR "pituitary neoplasms"[title/abstract:~3] OR "pituitary neoplasms"[title/abstract:~3] OR "pituitary malignancies"[title/abstract:~3] OR "pituitary adenoma"[title/abstract:~3] OR "pituitary adenomas"[title/abstract:~3] OR "pituitary macroadenoma"[title/abstract:~3] OR "pituitary macroadenomas"[title/abstract:~3] OR "NFPmAs"[tw] OR "NFPmA"[tw] OR "NFPAs"[tw] OR "NFPA"[tw]) AND ("normal growth velocity"[tw] OR "normal growth velocities"[tw] OR "growth velocity"[tw] OR "growth velocities"[tw] OR "tumour volume doubling time"[tw] OR "tumour volume doubling times"[tw] OR "tumor volume doubling time"[tw] OR "tumor volume doubling times"[tw] OR "regrowth rate "[tw] OR "regrowth rates"[tw] OR "re-growth rate "[tw] OR "re-growth rates"[tw] OR "growth rate"[tw] OR "growth rates"[tw] OR "normal growth velocity"[title/abstract:~3] OR "normal growth velocities"[title/abstract:~3] OR "tumour volume doubling time"[title/abstract:~3] OR "tumour volume doubling times"[title/abstract:~3] OR "tumor volume doubling time"[title/abstract:~3] OR "tumor volume doubling times"[title/abstract:~3] OR "regrowth rate "[title/abstract:~3] OR "regrowth rates"[title/abstract:~3] OR "re-growth rate "[title/abstract:~3] OR "re-growth rates"[title/abstract:~3] OR "growth rate "[title/abstract:~3] OR "growth rates"[title/abstract:~3] OR ("natural history"[tw] AND ("tumour growth"[tw] OR "tumor growth"[tw])) OR "growth modelling"[tw] OR "growth modeling"[tw] OR "growth kinetics"[tw] OR "growth model"[tw] OR "growth models"[tw] OR "growth accelerated"[tw] OR "growth acceleration"[tw] OR "growth decelerated"[title/abstract:~0] OR "growth deceleration"[tw] OR "regrowth"[tw] OR "regrowing"[tw] OR "growth fractions"[tw] OR "growth fraction"[tw]) NOT ("Animals"[mesh] NOT "Humans"[mesh]) AND (Dutch[la] OR English[la] OR French[la] OR German[la]) NOT (("Infant"[mesh] OR "infant"[ti] OR "infants"[ti] OR "newborn"[ti] OR "newborns"[ti] OR "neonate"[ti] OR "neonates"[ti] OR "Child"[mesh] OR "child"[ti] OR "children"[ti] OR "girl"[ti] OR "girls"[ti] OR "boy"[ti] OR "boys"[ti] OR "Adolescent"[mesh] OR "adolescent"[ti] OR "adolescents"[ti] OR "pediatric"[ti] OR "pediatrics"[ti] OR "paediatric"[ti] OR "paediatrics"[ti]) NOT ("Adult"[mesh] OR

"adult"[ti] OR "adults"[ti] OR "elderly"[ti])) NOT (("Case Reports"[ptyp] OR "case report"[ti] OR "case rep"[all fields]) NOT ("Review"[ptyp] OR "review"[ti] OR "Clinical Study"[ptyp] OR "trial"[ti] OR "RCT"[ti])))

Embase

<http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=main&MODE=ovid&D=oemezd>

((exp *"hypophysis tumor"/ OR "pituitary tumor".ti,ab OR "pituitary tumors".ti,ab OR "pituitary tumour".ti,ab OR "pituitary tumours".ti,ab OR "pituitary cancer".ti,ab OR "pituitary cancers".ti,ab OR "pituitary carcinoma".ti,ab OR "pituitary carcinomas".ti,ab OR "pituitary neoplasms".ti,ab OR "pituitary neoplasms".ti,ab OR "pituitary malignancies".ti,ab OR "pituitary adenoma".ti,ab OR "pituitary adenomas".ti,ab OR "pituitary macroadenoma".ti,ab OR "pituitary macroadenomas".ti,ab OR (("pituitary" ADJ3 "tumor") OR ("pituitary" ADJ3 "tumors") OR ("pituitary" ADJ3 "tumour") OR ("pituitary" ADJ3 "tumours") OR ("pituitary" ADJ3 "cancer") OR ("pituitary" ADJ3 "cancers") OR ("pituitary" ADJ3 "carcinoma") OR ("pituitary" ADJ3 "carcinomas") OR ("pituitary" ADJ3 "neoplasms") OR ("pituitary" ADJ3 "neoplasms") OR ("pituitary" ADJ3 "malignancies") OR ("pituitary" ADJ3 "adenoma") OR ("pituitary" ADJ3 "adenomas") OR ("pituitary" ADJ3 "macroadenoma") OR ("pituitary" ADJ3 "macroadenomas")).ti,ab OR "NFPmAs".ti,ab OR "NFPmA".ti,ab OR "NFPAs".ti,ab OR "NFPA".ti,ab) AND ("normal growth velocity".ti,ab OR "normal growth velocities".ti,ab OR "growth velocity".ti,ab OR "growth velocities".ti,ab OR "tumour volume doubling time".ti,ab OR "tumour volume doubling times".ti,ab OR "tumor volume doubling time".ti,ab OR "tumor volume doubling times".ti,ab OR "regrowth rate".ti,ab OR "regrowth rates".ti,ab OR "re-growth rate".ti,ab OR "re-growth rates".ti,ab OR "growth rate".ti,ab OR "growth rates".ti,ab OR (("normal" ADJ3 "growth" ADJ3 "velocity") OR ("normal" ADJ3 "growth" ADJ3 "velocities") OR ("tumour" ADJ3 "volume" ADJ3 "doubling" ADJ3 "time") OR ("tumour" ADJ3 "volume" ADJ3 "doubling" ADJ3 "times") OR ("tumor" ADJ3 "volume" ADJ3 "doubling" ADJ3 "time") OR ("tumor" ADJ3 "volume" ADJ3 "doubling" ADJ3 "times") OR ("regrowth" ADJ3 "rate") OR ("regrowth" ADJ3 "rates") OR ("re-growth" ADJ3 "rate") OR ("re-growth" ADJ3 "rates") OR ("growth" ADJ3 "rate") OR ("growth" ADJ3 "rates")).ti,ab OR ("natural history".ti,ab AND ("tumour growth".ti,ab OR "tumor growth".ti,ab)) OR "growth modelling".ti,ab OR "growth modeling".ti,ab OR "growth kinetics".ti,ab OR "growth model".ti,ab OR "growth models".ti,ab OR "growth accelerated".ti,ab OR "growth acceleration".ti,ab OR "growth decelerated".ti,ab OR "growth deceleration".ti,ab OR "regrowth".ti,ab OR "regrowing".ti,ab OR "growth fractions".ti,ab OR "growth fraction".ti,ab) NOT (exp "Animals"/ NOT exp "Humans"/) AND (Dutch.la OR English.la OR French.la OR German.la) NOT ((exp "Infant"/ OR "infant".ti OR "infants".ti OR "newborn".ti OR "newborns".ti OR "neonate".ti OR "neonates".ti OR exp "Child"/ OR "child".ti OR "children".ti OR "girl".ti OR "girls".ti OR "boy".ti OR "boys".ti OR exp "Adolescent"/ OR "adolescent".ti OR "adolescents".ti OR "pediatric".ti OR "pediatrics".ti OR "paediatric".ti OR "paediatrics".ti) NOT (exp "Adult"/ OR "adult".ti OR "adults".ti OR "elderly".ti)) NOT (("Case Report"/ OR "case report".ti,ab)

NOT (exp "Review"/ OR "review".ti OR "Clinical Study"/ OR exp "Clinical Trial"/ OR "trial".ti OR "RCT".ti))

- NOT conference review.pt
- NOT (conference review or conference abstract).pt
- AND (conference abstract).pt

Web of Science

<http://isiknowledge.com/wos>

((TI=("hypophysis tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR ("pituitary" NEAR/3 "tumor") OR ("pituitary" NEAR/3 "tumors") OR ("pituitary" NEAR/3 "tumour") OR ("pituitary" NEAR/3 "tumours") OR ("pituitary" NEAR/3 "cancer") OR ("pituitary" NEAR/3 "cancers") OR ("pituitary" NEAR/3 "carcinoma") OR ("pituitary" NEAR/3 "carcinomas") OR ("pituitary" NEAR/3 "neoplasms") OR ("pituitary" NEAR/3 "neoplasms") OR ("pituitary" NEAR/3 "malignancies") OR ("pituitary" NEAR/3 "adenoma") OR ("pituitary" NEAR/3 "adenomas") OR ("pituitary" NEAR/3 "macroadenoma") OR ("pituitary" NEAR/3 "macroadenomas")) OR "NFPmAs" OR "NFPmA" OR "NFPAs" OR "NFPA") OR AK=("hypophysis tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR ("pituitary" NEAR/3 "tumor") OR ("pituitary" NEAR/3 "tumors") OR ("pituitary" NEAR/3 "tumour") OR ("pituitary" NEAR/3 "tumours") OR ("pituitary" NEAR/3 "cancer") OR ("pituitary" NEAR/3 "cancers") OR ("pituitary" NEAR/3 "carcinoma") OR ("pituitary" NEAR/3 "carcinomas") OR ("pituitary" NEAR/3 "neoplasms") OR ("pituitary" NEAR/3 "neoplasms") OR ("pituitary" NEAR/3 "malignancies") OR ("pituitary" NEAR/3 "adenoma") OR ("pituitary" NEAR/3 "adenomas") OR ("pituitary" NEAR/3 "macroadenoma") OR ("pituitary" NEAR/3 "macroadenomas")) OR "NFPmAs" OR "NFPmA" OR "NFPAs" OR "NFPA") OR AB=("hypophysis tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR ("pituitary" NEAR/3 "tumor") OR ("pituitary" NEAR/3 "tumors") OR ("pituitary" NEAR/3 "tumour") OR ("pituitary" NEAR/3 "tumours") OR ("pituitary" NEAR/3 "cancer") OR ("pituitary" NEAR/3 "cancers") OR ("pituitary" NEAR/3 "carcinoma") OR ("pituitary" NEAR/3 "carcinomas") OR ("pituitary" NEAR/3 "neoplasms") OR ("pituitary" NEAR/3 "neoplasms") OR ("pituitary" NEAR/3 "malignancies") OR ("pituitary" NEAR/3 "adenoma") OR ("pituitary" NEAR/3 "adenomas") OR ("pituitary" NEAR/3 "macroadenoma") OR ("pituitary" NEAR/3 "macroadenomas")) OR "NFPmAs" OR "NFPmA" OR "NFPAs" OR "NFPA")

"adenoma") OR ("pituitary" NEAR/3 "adenomas") OR ("pituitary" NEAR/3 "macroadenoma") OR ("pituitary" NEAR/3 "macroadenomas")) OR "NFPmAs" OR "NFPmA" OR "NFPAs" OR "NFPA")) AND (TI=("normal growth velocity" OR "normal growth velocities" OR "growth velocity" OR "growth velocities" OR "tumour volume doubling time" OR "tumour volume doubling times" OR "tumor volume doubling time" OR "tumor volume doubling times" OR "regrowth rate " OR "regrowth rates" OR "re-growth rate " OR "re-growth rates" OR "growth rate" OR "growth rates" OR (("normal" NEAR/3 "growth" NEAR/3 "velocity") OR ("normal" NEAR/3 "growth" NEAR/3 "velocities") OR ("tumour" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "time") OR ("tumour" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "times") OR ("tumor" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "time") OR ("tumor" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "times") OR ("regrowth" NEAR/3 "rate") OR ("regrowth" NEAR/3 "rates") OR ("re-growth" NEAR/3 "rate") OR ("re-growth" NEAR/3 "rates") OR ("growth" NEAR/3 "rate") OR ("growth" NEAR/3 "rates")) OR ("natural history" AND ("tumour growth" OR "tumor growth")) OR "growth modelling" OR "growth modeling" OR "growth kinetics" OR "growth model" OR "growth models" OR "growth accelerated" OR "growth acceleration" OR "growth decelerated" OR "growth deceleration" OR "regrowth" OR "regrowing" OR "growth fractions" OR "growth fraction") OR AK=("normal growth velocity" OR "normal growth velocities" OR "growth velocity" OR "growth velocities" OR "tumour volume doubling time" OR "tumour volume doubling times" OR "tumor volume doubling time" OR "tumor volume doubling times" OR "regrowth rate " OR "regrowth rates" OR "re-growth rate " OR "re-growth rates" OR "growth rate" OR "growth rates" OR (("normal" NEAR/3 "growth" NEAR/3 "velocity") OR ("normal" NEAR/3 "growth" NEAR/3 "velocities") OR ("tumour" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "time") OR ("tumour" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "times") OR ("tumor" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "time") OR ("tumor" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "times") OR ("regrowth" NEAR/3 "rate") OR ("regrowth" NEAR/3 "rates") OR ("re-growth" NEAR/3 "rate") OR ("re-growth" NEAR/3 "rates") OR ("growth" NEAR/3 "rate") OR ("growth" NEAR/3 "rates")) OR ("natural history" AND ("tumour growth" OR "tumor growth")) OR "growth modelling" OR "growth modeling" OR "growth kinetics" OR "growth model" OR "growth models" OR "growth accelerated" OR "growth acceleration" OR "growth decelerated" OR "growth deceleration" OR "regrowth" OR "regrowing" OR "growth fractions" OR "growth fraction") OR AB=("normal growth velocity" OR "normal growth velocities" OR "growth velocity" OR "growth velocities" OR "tumour volume doubling time" OR "tumour volume doubling times" OR "tumor volume doubling time" OR "tumor volume doubling times" OR "regrowth rate " OR "regrowth rates" OR "re-growth rate " OR "re-growth rates" OR "growth rate" OR "growth rates" OR (("normal" NEAR/3 "growth" NEAR/3 "velocity") OR ("normal" NEAR/3 "growth" NEAR/3 "velocities") OR ("tumour" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "time") OR ("tumour" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "times") OR ("tumor" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "time") OR ("tumor" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "times") OR ("regrowth" NEAR/3 "rate") OR ("regrowth" NEAR/3 "rates") OR ("re-growth" NEAR/3 "rate") OR ("re-growth" NEAR/3 "rates") OR ("growth" NEAR/3 "rate") OR ("growth" NEAR/3 "rates")) OR ("natural history"

AND ("tumour growth" OR "tumor growth")) OR "growth modelling" OR "growth modeling" OR "growth kinetics" OR "growth model" OR "growth models" OR "growth accelerated" OR "growth acceleration" OR "growth decelerated" OR "growth deceleration" OR "regrowth" OR "regrowing" OR "growth fractions" OR "growth fraction")) NOT TI=(("Infant" OR "infant" OR "infants" OR "Child" OR "child" OR "children" OR "girl" OR "girls" OR "boy" OR "boys" OR "Adolescent" OR "adolescent" OR "adolescents" OR "pediatric" OR "pediatric*" OR "paediatric" OR "paediatric*")) NOT ("Adult" OR "adult" OR "adults" OR "elderly" OR "middle aged" OR "middle age")) AND LA=(Dutch OR English OR French OR German) NOT (TI="Case Report" OR AK="case report") NOT TI=("veterinary" OR "rabbit" OR "rabbits" OR "animal" OR "animals" OR "mouse" OR "mice" OR "rodent" OR "rodents" OR "rat" OR "rats" OR "pig" OR "pigs" OR "porcine" OR "horse" OR "horses" OR "equine" OR "cow" OR "cows" OR "bovine" OR "goat" OR "goats" OR "sheep" OR "ovine" OR "canine" OR "dog" OR "dogs" OR "feline" OR "cat" OR "cats"))

Cochrane

<https://www.cochranelibrary.com/advanced-search/search-manager>

((("hypophysis tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR ((("pituitary" NEAR/3 "tumor") OR ("pituitary" NEAR/3 "tumors") OR ("pituitary" NEAR/3 "tumour") OR ("pituitary" NEAR/3 "tumours") OR ("pituitary" NEAR/3 "cancer") OR ("pituitary" NEAR/3 "cancers") OR ("pituitary" NEAR/3 "carcinoma") OR ("pituitary" NEAR/3 "carcinomas") OR ("pituitary" NEAR/3 "neoplasms") OR ("pituitary" NEAR/3 "neoplasms") OR ("pituitary" NEAR/3 "malignancies") OR ("pituitary" NEAR/3 "adenoma") OR ("pituitary" NEAR/3 "adenomas") OR ("pituitary" NEAR/3 "macroadenoma") OR ("pituitary" NEAR/3 "macroadenomas"))) OR "NFPmAs" OR "NFPmA" OR "NFPAs" OR "NFPA"):ti,ab,kw AND ("normal growth velocity" OR "normal growth velocities" OR "growth velocity" OR "growth velocities" OR "tumour volume doubling time" OR "tumour volume doubling times" OR "tumor volume doubling time" OR "tumor volume doubling times" OR "regrowth rate" OR "regrowth rates" OR "re-growth rate" OR "re-growth rates" OR "growth rate" OR "growth rates" OR ((("normal" NEAR/3 "growth" NEAR/3 "velocity") OR ("normal" NEAR/3 "growth" NEAR/3 "velocities") OR ("tumour" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "time") OR ("tumour" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "times") OR ("tumor" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "time") OR ("tumor" NEAR/3 "volume" NEAR/3 "doubling" NEAR/3 "times") OR ("regrowth" NEAR/3 "rate") OR ("regrowth" NEAR/3 "rates") OR ("re-growth" NEAR/3 "rate") OR ("re-growth" NEAR/3 "rates") OR ("growth" NEAR/3 "rate") OR ("growth" NEAR/3 "rates"))) OR ("natural history" AND ("tumour growth" OR "tumor growth")) OR "growth modelling" OR "growth modeling" OR "growth kinetics" OR "growth model" OR "growth models"

OR "growth accelerated" OR "growth acceleration" OR "growth decelerated" OR "growth deceleration" OR "regrowth" OR "regrowing" OR "growth fractions" OR "growth fraction"):ti,ab,kw NOT (("Infant" OR "infant" OR "infants" OR "Child" OR "child" OR "children" OR "girl" OR "girls" OR "boy" OR "boys" OR "Adolescent" OR "adolescent" OR "adolescents" OR "pediatric" OR "pediatric*" OR "paediatric" OR "paediatric*") NOT ("Adult" OR "adult" OR "adults" OR "elderly" OR "middle aged" OR "middle age")):ti)

(conference abstract OR meeting abstract OR conference proceeding OR conference proceedings):pt

(predictors of) Therapy efficacy

((**"aggressive pituitary tumor"**[tw] OR **"aggressive pituitary tumors"**[tw] OR **"aggressive pituitary tumour"**[tw] OR **"aggressive pituitary tumours"**[tw] OR **"aggressive pituitary adenoma"**[tw] OR **"aggressive pituitary adenomas"**[tw] OR **"aggressive pituitary macroadenoma"**[tw] OR **"aggressive pituitary macroadenomas"**[tw] OR **"invasive pituitary tumor"**[tw] OR **"invasive pituitary tumors"**[tw] OR **"invasive pituitary tumour"**[tw] OR **"invasive pituitary tumours"**[tw] OR **"invasive pituitary adenoma"**[tw] OR **"invasive pituitary adenomas"**[tw] OR **"invasive pituitary macroadenoma"**[tw] OR **"invasive pituitary macroadenomas"**[tw] OR **"aggressive PAs"**[tw] OR **"aggressive PAs"**[tw] OR **"invasive NFPA"**[tw] OR **"invasive NFPA"**[tw] OR **"invasive PAs"**[tw] OR **"invasive PAs"**[tw] OR **"aggressive pituitary tumor"**[title/abstract:~7] OR **"aggressive pituitary tumors"**[title/abstract:~7] OR **"aggressive pituitary tumour"**[title/abstract:~7] OR **"aggressive pituitary tumours"**[title/abstract:~7] OR **"aggressive pituitary adenoma"**[title/abstract:~7] OR **"aggressive pituitary adenomas"**[title/abstract:~7] OR **"aggressive pituitary macroadenoma"**[title/abstract:~7] OR **"aggressive pituitary macroadenomas"**[title/abstract:~7] OR **"invasive pituitary tumor"**[title/abstract:~7] OR **"invasive pituitary tumors"**[title/abstract:~7] OR **"invasive pituitary tumour"**[title/abstract:~7] OR **"invasive pituitary tumours"**[title/abstract:~7] OR **"invasive pituitary adenoma"**[title/abstract:~7] OR **"invasive pituitary adenomas"**[title/abstract:~7] OR **"invasive pituitary macroadenoma"**[title/abstract:~7] OR **"invasive pituitary macroadenomas"**[title/abstract:~7] OR **"invasive NFPA"**[title/abstract:~7] OR **"invasive NFPA"**[title/abstract:~7] OR **"atypical pituitary tumor"**[title/abstract:~7] OR **"atypical pituitary tumors"**[title/abstract:~7] OR **"atypical pituitary tumour"**[title/abstract:~7] OR **"atypical pituitary tumours"**[title/abstract:~7] OR **"atypical pituitary adenoma"**[title/abstract:~7] OR **"atypical pituitary adenomas"**[title/abstract:~7] OR **"atypical pituitary macroadenoma"**[title/abstract:~7] OR **"atypical pituitary macroadenomas"**[title/abstract:~7] OR ("Pituitary Neoplasms"[Mesh] OR "pituitary tumor"[tw] OR "pituitary tumors"[tw] OR "pituitary tumour"[tw] OR "pituitary tumours"[tw] OR "pituitary cancer"[tw] OR "pituitary cancers"[tw] OR "pituitary carcinoma"[tw] OR "pituitary carcinomas"[tw] OR "pituitary neoplasms"[tw] OR "pituitary neoplasms"[tw] OR "pituitary malignancies"[tw] OR "pituitary adenoma"[tw] OR "pituitary adenomas"[tw] OR "pituitary macroadenoma"[tw] OR "pituitary macroadenomas"[tw]) AND (**"aggressive"**[ti] OR **"agressiv*"**[ti] OR **"invasive"**[ti] OR **"invasiv*"**[ti] OR **"atypical"**[ti])) OR atypical pituitary

adenoma"[tw] OR "atypical pituitary adenomas"[tw]) AND ("Temozolomide"[Mesh] OR "Temozolomide"[tw] OR "Temozolomid*" [tw] OR "TMZ"[tw] OR "methazolastone"[tw] OR "Temodar"[tw] OR "Temodal"[tw] OR "TMZ-Bioshuttle"[tw] OR "CCRG 81045"[tw] OR "Immune Checkpoint Inhibitors"[Mesh] OR "Immune Checkpoint Inhibitors"[Pharmacological Action] OR "Immune Checkpoint Inhibitors"[tw] OR "Immune Checkpoint Inhibitor"[tw] OR "Immune checkpoint inhibition"[tw] OR "Abatacept"[mesh] OR "atezolizumab"[Supplementary Concept] OR "Ipilimumab"[mesh] OR "lisavanbulin"[Supplementary Concept] OR "Nivolumab"[mesh] OR "pembrolizumab"[Supplementary Concept] OR "PHI-101"[Supplementary Concept] OR "quemliclustat"[Supplementary Concept] OR "relatlimab"[Supplementary Concept] OR "sotorasib"[Supplementary Concept] OR "spartalizumab"[Supplementary Concept] OR "Abatacept"[tw] OR "atezolizumab"[tw] OR "Ipilimumab"[tw] OR "lisavanbulin"[tw] OR "Nivolumab"[tw] OR "pembrolizumab"[tw] OR "PHI-101"[tw] OR "quemliclustat"[tw] OR "relatlimab"[tw] OR "sotorasib"[tw] OR "spartalizumab"[tw] OR "Bevacizumab"[Mesh] OR "Bevacizumab"[tw] OR "Bevacizumab*" [tw] OR "Mvasi"[tw] OR "Avastin"[tw] OR "Radiotherapy"[Mesh] OR "radiotherapy"[Subheading] OR "Radiotherapy"[tw] OR "radiotherap*" [tw] OR "radiation therapy"[tw] OR "irradiation"[tw] OR "irradiat*" [tw] OR "radiosurgery"[tw] OR "radiosurg*" [tw] OR "chemoradiotherapy"[tw] OR "chemoradiotherap*" [tw] OR "Therapeutics"[mesh] OR "therapy"[subheading] OR "therapy"[tw] OR "therapeut*" [tw] OR "treatment*" [tw] OR "Radiotherapy"[mesh] OR "radiotherapy"[subheading] OR radiation*[tw] OR irradiat*[tw] OR "Surgical Procedures, Operative"[mesh] OR "surgery"[subheading] OR "surgery"[tw] OR operation*[tw] OR surgical*[tw] OR neurosurg*[tw] OR "Drug Therapy"[mesh] OR "drug therapy"[subheading] OR "drug therapy"[tw] OR chemotherap*[tw] OR "Antineoplastic Agents"[Mesh] OR "Antineoplastic Agents"[Pharmacological Action] OR antineoplas*[tw] OR "temozolomide"[Supplementary Concept] OR "temozolomide"[tw] OR temozolomid*[tw] OR "TMZ"[tw] OR "methazolastone"[tw] OR "Temodar"[tw] OR "Temodal"[tw] OR "TMZ-Bioshuttle"[tw] OR "CCRG 81045"[tw] OR "CCRG-81045"[tw] OR "NSC 362856"[tw] OR "NSC-362856"[tw] OR "Etoposide"[Mesh] OR "Etoposide"[tw] OR Etoposid*[tw] OR "Cisplatin"[Mesh] OR "Cisplatin"[tw] OR Cisplatin*[tw] OR "Carboplatin"[Mesh] OR "Carboplatin"[tw] OR Carboplatin*[tw] OR "Carmustine"[Mesh] OR "Carmustine"[tw] OR Carmustin*[tw] OR "Capecitabine"[Mesh] OR "Capecitabine"[tw] OR Capecitabin*[tw] OR "gemcitabine"[Supplementary Concept] OR "gemcitabine"[tw] OR gemcitabin*[tw] OR "Everolimus"[Mesh] OR "Everolimus"[tw] OR Everolimus*[tw] OR "pasireotide"[Supplementary Concept] OR "pasireotide"[tw] OR pasireotid*[tw] OR "SOM230"[tw] OR "Bevacizumab"[Mesh] OR "Bevacizumab"[tw] OR Bevacizumab*[tw]) NOT ("Animals"[mesh] NOT "Humans"[mesh]) AND (Dutch[la] OR English[la] OR French[la] OR German[la]) NOT (("Infant"[mesh] OR "infant"[ti] OR "infants"[ti] OR "newborn"[ti] OR "newborns"[ti] OR "neonate"[ti] OR "neonates"[ti] OR "Child"[mesh] OR "child"[ti] OR "children"[ti] OR "girl"[ti] OR "girls"[ti] OR "boy"[ti] OR "boys"[ti] OR "Adolescent"[mesh] OR "adolescent"[ti] OR "adolescents"[ti] OR "pediatric"[ti] OR "pediatrics"[ti] OR "paediatric"[ti] OR "paediatrics"[ti]) NOT ("Adult"[mesh] OR "adult"[ti] OR "adults"[ti] OR "elderly"[ti])) AND ("Disease Progression"[Mesh] OR "Disease Progression"[tw] OR "clinical

deterioration"[tw] OR "spontaneous remission"[tw] OR "treatment response"[tw] OR "therapy response"[tw] OR "complete response"[tw] OR "partial response"[tw] OR "stable disease"[tw] OR "progressive disease"[tw] OR "Tumor Burden"[Mesh] OR "Tumor Burden"[tw] OR "Tumour Burden"[tw] OR "tumor volume"[tw] OR "tumor diameter"[tw] OR "tumor weight"[tw] OR "tumor load"[tw] OR "tumour volume"[tw] OR "tumour diameter"[tw] OR "tumour weight"[tw] OR "tumour load"[tw] OR "Neoplasm Metastasis"[Mesh] OR "Metastasis"[tw] OR "Metastases"[tw] OR "Metastatic"[tw] OR "Metasta*"[tw] OR "Pituitary Neoplasms/secondary"[Mesh] OR "biochemical response"[tw] OR "hormonal overproduction"[title/abstract:~4] OR "hormones overproduction"[title/abstract:~4] OR "hormone overproduction"[title/abstract:~4] OR "hormonal overproducing"[title/abstract:~4] OR "hormones overproducing"[title/abstract:~4] OR "hormone overproducing"[title/abstract:~4] OR "Survival Analysis"[Mesh] OR "Progression-Free Survival"[Mesh] OR "Disease-Free Survival"[Mesh] OR "Progression-Free Survival"[tw] OR "Disease-Free Survival"[tw] OR "Mortality"[Mesh] OR "Pituitary Neoplasms/mortality"[Mesh] OR "overall survival"[tw] OR "survival"[tw] OR "Drug-Related Side Effects and Adverse Reactions"[Mesh] OR "side effects"[tw] OR "side effect"[tw] OR "adverse effects"[tw] OR "adverse effect"[tw] OR "adverse reactions"[tw] OR "adverse reaction"[tw] OR "adverse drug reactions"[tw] OR "adverse drug reaction"[tw] OR "adverse effects"[Subheading] OR "toxicity"[Subheading] OR "toxicity"[tw] OR "toxic"[tw] OR "efficacy"[tw]))

Predictors of aggressive behaviour

((("Pituitary Neoplasms"[majr] OR "pituitary tumor"[ti] OR "pituitary tumors"[ti] OR "pituitary tumour"[ti] OR "pituitary tumours"[ti] OR "pituitary cancer"[ti] OR "pituitary cancers"[ti] OR "pituitary carcinoma"[ti] OR "pituitary carcinomas"[ti] OR "pituitary neoplasms"[ti] OR "pituitary neoplasms"[ti] OR "pituitary malignancies"[ti] OR "pituitary adenoma"[ti] OR "pituitary adenomas"[ti] OR "pituitary macroadenoma"[ti] OR "pituitary macroadenomas"[ti] OR "pituitary tumor"[title:~3] OR "pituitary tumors"[title:~3] OR "pituitary tumour"[title:~3] OR "pituitary tumours"[title:~3] OR "pituitary cancer"[title:~3] OR "pituitary cancers"[title:~3] OR "pituitary carcinoma"[title:~3] OR "pituitary carcinomas"[title:~3] OR "pituitary neoplasms"[title:~3] OR "pituitary neoplasms"[title:~3] OR "pituitary malignancies"[title:~3] OR "pituitary adenoma"[title:~3] OR "pituitary adenomas"[title:~3] OR "pituitary macroadenoma"[title:~3] OR "pituitary macroadenomas"[title:~3] OR "aggressive PAs"[ti] OR "aggressive PAs"[ti] OR "invasive NFPA"[ti] OR "invasive NFPAs"[ti] OR "invasive PAs"[ti] OR "invasive PAs"[ti] OR "invasive NFPA"[title:~7] OR "invasive NFPAs"[title:~7]) AND ("aggressive behavior"[ti] OR "aggressive behaviors"[ti] OR "aggressive behaviour"[ti] OR "aggressive behaviours"[ti] OR "aggressive behavior"[title:~3] OR "aggressive behaviors"[title:~3] OR "aggressive behaviour"[title:~3] OR "aggressive behaviours"[title:~3] OR "aggressive behavioral"[title:~3] OR "aggressive behaving"[title:~3] OR "aggressive behavioural"[title:~3] OR "aggressive behaved"[title:~3] OR ("growth"[ti] NOT ("growth hormone"[tw] OR "growth hormones"[tw])) OR "growths"[ti] OR "Neoplasm Invasiveness"[majr] OR "invasion"[ti]))

OR "invasiveness"[ti] OR "Neoplasm Metastasis"[majr] OR "metastatic"[ti] OR "metastasis"[ti] OR "metastases"[ti] OR "micrometasta*"[ti] OR "Carcinoma"[majr:noexp]) AND ("cavernous invasion"[tw] OR "sphenoid sinus invasion"[tw] OR "silent corticotroph"[tw] OR "Crooke's cell"[tw] OR "Crooke's cells"[tw] OR "Crooke's cell"[tw] OR "Crooke's cells"[tw] OR "plurihormonal PIT-1 positive"[tw] OR "Ki-67 index"[tw] OR "p53 expression"[tw] OR "mitotic count"[tw] OR "grade 2a"[tw] OR "grade 2b"[tw] OR "grade 3"[tw] OR "2a"[tw] OR "2b"[tw] OR "cavernous invasion"[title/abstract:~10] OR "sphenoid sinus invasion"[title/abstract:~10] OR "subtyping immunohistochemistry"[title/abstract:~10] OR "subtype immunohistochemistry"[title/abstract:~10] OR "subtypes immunohistochemistry"[title/abstract:~10] OR "hormone secreting profile"[title/abstract:~10] OR "hormone secreting profile "[title/abstract:~10] OR "silent corticotroph"[title/abstract:~10] OR "Crooke's cell"[title/abstract:~10] OR "Crooke's cells"[title/abstract:~10] OR "Crooke's cell"[title/abstract:~10] OR "Crooke's cells"[title/abstract:~10] OR "plurihormonal PIT-1 positive"[title/abstract:~10] OR "sparsely-granulated somatotroph PA"[title/abstract:~10] OR "lactotroph macroadenoma"[title/abstract:~10] OR "lactotroph macroadenomas"[title/abstract:~10] OR "lactotroph macro adenoma"[title/abstract:~10] OR "lactotroph macro adenomas"[title/abstract:~10] OR "Ki-67 index"[title/abstract:~10] OR "p53 expression"[title/abstract:~10] OR "mitotic count"[title/abstract:~10] OR "grade 2a"[title/abstract:~10] OR "grade 2b"[title/abstract:~10] OR "grade 3"[title/abstract:~10] OR "genetic alterations in TP53"[title/abstract:~10] OR "genetic alterations in ARTX"[title/abstract:~10] OR "genetic alteration in TP53"[title/abstract:~10] OR "genetic alteration in ARTX"[title/abstract:~10] OR "USP8 mutation"[tw] OR "USP8 mutational"[tw] OR "USP8 mutations"[tw] OR "USP8 mutation"[title/abstract:~10] OR "USP8 mutational"[title/abstract:~10] OR "USP8 mutations"[title/abstract:~10] OR "size at first presentation"[title/abstract:~10] OR "size at 1st presentation"[title/abstract:~10] OR "treatment response"[title/abstract:~10] OR "treatment response"[tw] OR "Gene Expression Regulation, Neoplastic"[Mesh] OR "expression level"[tw] OR "expression levels"[tw] OR "expression level"[title/abstract:~10] OR "expression levels"[title/abstract:~10] OR "prediction behavior"[title/abstract:~10] OR "prediction behaviour"[title/abstract:~10] OR "prediction behaviors"[title/abstract:~10] OR "prediction behaviours"[title/abstract:~10] OR "predictive behavior"[title/abstract:~10] OR "predictive behaviour"[title/abstract:~10] OR "predictive behaviors"[title/abstract:~10] OR "predictive behaviours"[title/abstract:~10] OR "prediction aggressive"[title/abstract:~10] OR "prediction aggression"[title/abstract:~10] OR "predictive aggressive"[title/abstract:~10] OR "predictive aggression"[title/abstract:~10]) NOT ("Animals"[mesh] NOT "Humans"[mesh]) AND (Dutch[la] OR English[la] OR French[la] OR German[la]) NOT (("Case Reports"[ptyp] OR "case report"[ti] OR "case rep"[all fields]) NOT ("Review"[ptyp] OR "review"[ti] OR "Clinical Study"[ptyp] OR "trial"[ti] OR "RCT"[ti]))))

Embase

<http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=main&MODE=ovid&D=oemezd>

((exp *"hypophysis tumor"/ OR "pituitary tumor".ti OR "pituitary tumors".ti OR "pituitary tumour".ti OR "pituitary tumours".ti OR "pituitary cancer".ti OR "pituitary cancers".ti OR "pituitary carcinoma".ti OR "pituitary carcinomas".ti OR "pituitary neoplasms".ti OR "pituitary neoplasms".ti OR "pituitary malignancies".ti OR "pituitary adenoma".ti OR "pituitary adenomas".ti OR "pituitary macroadenoma".ti OR "pituitary macroadenomas".ti OR (("pituitary" ADJ3 "tumor") OR ("pituitary" ADJ3 "tumors") OR ("pituitary" ADJ3 "tumour") OR ("pituitary" ADJ3 "tumours") OR ("pituitary" ADJ3 "cancer") OR ("pituitary" ADJ3 "cancers") OR ("pituitary" ADJ3 "carcinoma") OR ("pituitary" ADJ3 "carcinomas") OR ("pituitary" ADJ3 "neoplasms") OR ("pituitary" ADJ3 "neoplasms") OR ("pituitary" ADJ3 "malignancies") OR ("pituitary" ADJ3 "adenoma") OR ("pituitary" ADJ3 "adenomas") OR ("pituitary" ADJ3 "macroadenoma") OR ("pituitary" ADJ3 "macroadenomas"))).ti OR **"aggressive PAs".ti OR "aggressive PAs".ti OR "invasive NFPA".ti OR "invasive NFPA".ti OR "invasive PAs".ti OR "invasive PAs".ti OR ("invasive" ADJ7 "NFPA").ti OR ("invasive" ADJ7 "NFPA").ti) AND ("aggressive behavior".ti OR "aggressive behaviors".ti OR "aggressive behaviour".ti OR "aggressive behaviours".ti OR (("aggressive" ADJ3 "behavior") OR ("aggressive" ADJ3 "behaviors") OR ("aggressive" ADJ3 "behaviour") OR ("aggressive" ADJ3 "behaviours") OR ("aggressive" ADJ3 "behavioral") OR ("aggressive" ADJ3 "behaving") OR ("aggressive" ADJ3 "behavioural") OR ("aggressive" ADJ3 "behaved")).ti,ab OR ("growth".ti NOT ("growth hormone".ti,ab OR "growth hormones".ti,ab)) OR exp *"tumor growth"/ OR exp *"cancer growth"/ OR "growths".ti OR exp *"Tumor Invasion"/ OR "invasion".ti OR "invasiveness".ti OR exp *"Metastasis"/ OR "metastatic".ti OR "metastasis".ti OR "metastases".ti OR "micrometasta*".ti OR *"Carcinoma"/) AND ("cavernous invasion".ti,ab OR "sphenoid sinus invasion".ti,ab OR "silent corticotroph".ti,ab OR "Crooke's cell".ti,ab OR "Crooke's cells".ti,ab OR "Crooke's cell".ti,ab OR "Crooke's cells".ti,ab OR "plurihormonal PIT-1 positive".ti,ab OR "Ki-67 index".ti,ab OR "p53 expression".ti,ab OR "mitotic count".ti,ab OR "grade 2a".ti,ab OR "grade 2b".ti,ab OR "grade 3".ti,ab OR "2a".ti,ab OR "2b".ti,ab OR "USP8 mutation".ti,ab OR "USP8 mutational".ti,ab OR "USP8 mutations".ti,ab OR (("USP8" ADJ10 "mutation") OR ("USP8" ADJ10 "mutational") OR ("USP8" ADJ10 "mutations") OR ("size" ADJ10 "at" ADJ10 "first" ADJ10 "presentation") OR ("size" ADJ10 "at" ADJ10 "1st" ADJ10 "presentation") OR ("treatment" ADJ10 "response")).ti,ab OR "treatment response".ti,ab OR exp *"Gene Expression Regulation"/ OR "expression level".ti,ab OR "expression levels".ti,ab OR (("cavernous" ADJ10 "invasion") OR ("sphenoid" ADJ10 "sinus" ADJ10 "invasion") OR ("subtyping" ADJ10 "immunohistochemistry") OR ("subtype" ADJ10 "immunohistochemistry") OR ("subtypes" ADJ10 "immunohistochemistry") OR ("hormone" ADJ10 "secreting" ADJ10 "profile") OR ("hormone" ADJ10 "secreting" ADJ10 "profile") OR ("silent" ADJ10 "corticotroph") OR ("Crooke's" ADJ10 "cell") OR ("Crooke's" ADJ10 "cells") OR ("Crooke's" ADJ10 "cell") OR ("Crooke's" ADJ10 "cells") OR ("plurihormonal" ADJ10 "PIT-1" ADJ10 "positive") OR ("sparsely-granulated" ADJ10 "somatotroph" ADJ10 "PA") OR ("lactotroph" ADJ10 "macroadenoma") OR ("lactotroph" ADJ10 "macroadenomas") OR ("lactotroph" ADJ10 "macro" ADJ10 "adenoma") OR ("lactotroph" ADJ10 "macro" ADJ10 "adenomas") OR ("Ki-67" ADJ10 "index") OR ("p53" ADJ10 "expression") OR ("mitotic" ADJ10 "count") OR ("grade" ADJ10 "2a") OR ("grade" ADJ10 "2b") OR ("grade" ADJ10 "3") OR ("genetic" ADJ10 "alterations"**

ADJ10 "in" ADJ10 "TP53") OR ("genetic" ADJ10 "alterations" ADJ10 "in" ADJ10 "ARTX") OR ("genetic" ADJ10 "alteration" ADJ10 "in" ADJ10 "TP53") OR ("genetic" ADJ10 "alteration" ADJ10 "in" ADJ10 "ARTX") OR ("expression" ADJ10 "level") OR ("expression" ADJ10 "levels") OR ("prediction" ADJ10 "behavior") OR ("prediction" ADJ10 "behaviour") OR ("prediction" ADJ10 "behaviors") OR ("prediction" ADJ10 "behaviours") OR ("predictive" ADJ10 "behavior") OR ("predictive" ADJ10 "behaviour") OR ("predictive" ADJ10 "behaviors") OR ("predictive" ADJ10 "behaviours") OR ("prediction" ADJ10 "aggressive") OR ("prediction" ADJ10 "aggression") OR ("predictive" ADJ10 "aggressive") OR ("predictive" ADJ10 "aggression").ti,ab) NOT (exp "Animals"/ NOT exp "Humans"/) AND (Dutch.la OR English.la OR French.la OR German.la) NOT (("Case Report"/ OR "case report".ti OR (case AND (report OR reports)).jw) NOT (exp "Review"/ OR "review".ti OR exp "Clinical Trial"/ OR "trial".ti OR "RCT".ti)))

Web of Science

<http://isiknowledge.com/wos>

(TI=("hypophysis tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR (("pituitary" ADJ3 "tumor") OR ("pituitary" ADJ3 "tumors") OR ("pituitary" ADJ3 "tumour") OR ("pituitary" ADJ3 "tumours") OR ("pituitary" ADJ3 "cancer") OR ("pituitary" ADJ3 "cancers") OR ("pituitary" ADJ3 "carcinoma") OR ("pituitary" ADJ3 "carcinomas") OR ("pituitary" ADJ3 "neoplasms") OR ("pituitary" ADJ3 "neoplasms") OR ("pituitary" ADJ3 "malignancies") OR ("pituitary" ADJ3 "adenoma") OR ("pituitary" ADJ3 "adenomas") OR ("pituitary" ADJ3 "macroadenoma") OR ("pituitary" ADJ3 "macroadenomas")) OR "aggressive PAs" OR "aggressive PAs" OR "invasive NFPA" OR "invasive NFPA" OR "invasive PAs" OR "invasive PAs" OR ("invasive" ADJ7 "NFPA") OR ("invasive" ADJ7 "NFPA")) AND TI=("aggressive behavior" OR "aggressive behaviors" OR "aggressive behaviour" OR "aggressive behaviours" OR (("aggressive" ADJ3 "behavior") OR ("aggressive" ADJ3 "behaviors") OR ("aggressive" ADJ3 "behaviour") OR ("aggressive" ADJ3 "behaviours") OR ("aggressive" ADJ3 "behavioral") OR ("aggressive" ADJ3 "behaving") OR ("aggressive" ADJ3 "behavioural") OR ("aggressive" ADJ3 "behaved")) OR ("growth" NOT ("growth hormone" OR "growth hormones")) OR "tumor growth" OR "cancer growth" OR "growths" OR "Tumor Invasion" OR "invasion" OR "invasiveness" OR "Metastasis" OR "metastatic" OR "metastasis" OR "metastases" OR "micrometasta*" OR "Carcinoma") AND TS=("cavernous invasion" OR "sphenoid sinus invasion" OR "silent corticotroph" OR "Crooke's cell" OR "Crooke's cells" OR "Crooke's cell" OR "Crooke's cells" OR "plurihormonal PIT-1 positive" OR "Ki-67 index" OR "p53 expression" OR "mitotic count" OR "grade 2a" OR "grade 2b" OR "grade 3" OR "2a" OR "2b" OR "USP8 mutation" OR "USP8 mutational" OR "USP8 mutations" OR ("USP8" ADJ10

"mutation") OR ("USP8" ADJ10 "mutational") OR ("USP8" ADJ10 "mutations") OR ("size" ADJ10 "at" ADJ10 "first" ADJ10 "presentation") OR ("size" ADJ10 "at" ADJ10 "1st" ADJ10 "presentation") OR ("treatment" ADJ10 "response")) OR "treatment response" OR "Gene Expression Regulation, Neoplastic" OR "expression level" OR "expression levels" OR (("cavernous" ADJ10 "invasion") OR ("sphenoid" ADJ10 "sinus" ADJ10 "invasion") OR ("subtyping" ADJ10 "immunohistochemistry") OR ("subtype" ADJ10 "immunohistochemistry") OR ("subtypes" ADJ10 "immunohistochemistry") OR ("hormone" ADJ10 "secreting" ADJ10 "profile") OR ("hormone" ADJ10 "secreting" ADJ10 "profile") OR ("silent" ADJ10 "corticotroph") OR ("Crooke"s" ADJ10 "cell") OR ("Crooke"s" ADJ10 "cells") OR ("Crooke"s" ADJ10 "cell") OR ("Crooke"s" ADJ10 "cells") OR ("plurihormonal" ADJ10 "PIT-1" ADJ10 "positive") OR ("sparsely-granulated" ADJ10 "somatotroph" ADJ10 "PA") OR ("lactotroph" ADJ10 "macroadenoma") OR ("lactotroph" ADJ10 "macroadenomas") OR ("lactotroph" ADJ10 "macro" ADJ10 "adenoma") OR ("lactotroph" ADJ10 "macro" ADJ10 "adenomas") OR ("Ki-67" ADJ10 "index") OR ("p53" ADJ10 "expression") OR ("mitotic" ADJ10 "count") OR ("grade" ADJ10 "2a") OR ("grade" ADJ10 "2b") OR ("grade" ADJ10 "3") OR ("genetic" ADJ10 "alterations" ADJ10 "in" ADJ10 "TP53") OR ("genetic" ADJ10 "alterations" ADJ10 "in" ADJ10 "ARTX") OR ("genetic" ADJ10 "alteration" ADJ10 "in" ADJ10 "TP53") OR ("genetic" ADJ10 "alteration" ADJ10 "in" ADJ10 "ARTX") OR ("expression" ADJ10 "level") OR ("expression" ADJ10 "levels") OR ("prediction" ADJ10 "behavior") OR ("prediction" ADJ10 "behaviour") OR ("prediction" ADJ10 "behaviors") OR ("prediction" ADJ10 "behaviours") OR ("predictive" ADJ10 "behavior") OR ("predictive" ADJ10 "behaviour") OR ("predictive" ADJ10 "behaviors") OR ("predictive" ADJ10 "behaviours") OR ("prediction" ADJ10 "aggressive") OR ("prediction" ADJ10 "aggression") OR ("predictive" ADJ10 "aggressive") OR ("predictive" ADJ10 "aggression")) NOT TI=("veterinary" OR "rabbit" OR "rabbits" OR "animal" OR "animals" OR "mouse" OR "mice" OR "rodent" OR "rodents" OR "rat" OR "rats" OR "pig" OR "pigs" OR "porcine" OR "horse" OR "horses" OR "equine" OR "cow" OR "cows" OR "bovine" OR "goat" OR "goats" OR "sheep" OR "ovine" OR "canine" OR "dog" OR "dogs" OR "feline" OR "cat" OR "cats") AND LA=(Dutch OR English OR French OR German) NOT TI=("Case Report"))

Cochrane

<https://www.cochranelibrary.com/advanced-search/search-manager>

((("hypophysis tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR "aggressive PAs" OR "aggressive PAs" OR "invasive NFPA" OR "invasive NFPA" OR "invasive PAs" OR "invasive PAs"):ti,ab,kw AND ("aggressive behavior" OR "aggressive behaviors" OR "aggressive behaviour" OR "aggressive behaviours" OR ("growth" NOT ("growth hormone" OR "growth hormones")) OR "tumor growth" OR "cancer growth" OR "growths" OR "Tumor Invasion" OR "invasion" OR "invasiveness"

OR "Metastasis" OR "metastatic" OR "metastasis" OR "metastases" OR "micrometasta*" OR "Carcinoma"):ti,ab,kw AND ("cavernous invasion" OR "sphenoid sinus invasion" OR "silent corticotroph" OR "Crooke's cell" OR "Crooke's cells" OR "Crooke's cell" OR "Crooke's cells" OR "plurihormonal PIT-1 positive" OR "Ki-67 index" OR "p53 expression" OR "mitotic count" OR "grade 2a" OR "grade 2b" OR "grade 3" OR "2a" OR "2b" OR "USP8 mutation" OR "USP8 mutational" OR "USP8 mutations" OR "treatment response" OR "Gene Expression Regulation" OR "expression level" OR "expression levels"):ti,ab,kw)

AND LA=(Dutch OR English OR French OR German)

(conference abstract OR meeting abstract OR conference proceeding OR conference proceedings):pt

((("Pituitary Neoplasms"[Mesh] OR "pituitary tumor"[tw] OR "pituitary tumors"[tw] OR "pituitary tumour"[tw] OR "pituitary tumours"[tw] OR "pituitary cancer"[tw] OR "pituitary cancers"[tw] OR "pituitary carcinoma"[tw] OR "pituitary carcinomas"[tw] OR "pituitary neoplasms"[tw] OR "pituitary neoplasms"[tw] OR "pituitary malignancies"[tw] OR "pituitary adenoma"[tw] OR "pituitary adenomas"[tw] OR "pituitary macroadenoma"[tw] OR "pituitary macroadenomas"[tw] OR "pituitary tumor"[title/abstract:~6] OR "pituitary tumors"[title/abstract:~6] OR "pituitary tumour"[title/abstract:~6] OR "pituitary tumours"[title/abstract:~6] OR "pituitary cancer"[title/abstract:~6] OR "pituitary cancers"[title/abstract:~6] OR "pituitary carcinoma"[title/abstract:~6] OR "pituitary carcinomas"[title/abstract:~6] OR "pituitary neoplasms"[title/abstract:~6] OR "pituitary neoplasms"[title/abstract:~6] OR "pituitary malignancies"[title/abstract:~6] OR "pituitary adenoma"[title/abstract:~6] OR "pituitary adenomas"[title/abstract:~6] OR "pituitary macroadenoma"[title/abstract:~6] OR "pituitary macroadenomas"[title/abstract:~6]) AND ("isolated metastases"[tw] OR "isolated metastasis"[tw] OR "isolated metastatic"[tw] OR "isolated metastases"[title/abstract:~6] OR "isolated metastasis"[title/abstract:~6] OR "isolated metastatic"[title/abstract:~6] OR "isolated micrometastases"[title/abstract:~6] OR "isolated micrometastasis"[title/abstract:~6] OR "isolated micrometastatic"[title/abstract:~6] OR "solitary metastases"[title/abstract:~6] OR "solitary metastasis"[title/abstract:~6] OR "solitary metastatic"[title/abstract:~6] OR "solitary micrometastases"[title/abstract:~6] OR "solitary micrometastasis"[title/abstract:~6] OR "solitary micrometastatic"[title/abstract:~6])) OR ((("Pituitary Neoplasms"[Mesh] OR "pituitary tumor"[tw] OR "pituitary tumors"[tw] OR "pituitary tumour"[tw] OR "pituitary tumours"[tw] OR "pituitary cancer"[tw] OR "pituitary cancers"[tw] OR "pituitary carcinoma"[tw] OR "pituitary carcinomas"[tw] OR "pituitary neoplasms"[tw] OR "pituitary neoplasms"[tw] OR "pituitary malignancies"[tw] OR "pituitary adenoma"[tw] OR "pituitary adenomas"[tw] OR "pituitary macroadenoma"[tw] OR "pituitary macroadenomas"[tw] OR "pituitary tumor"[title/abstract:~0] OR "pituitary tumors"[title/abstract:~0] OR "pituitary tumour"[title/abstract:~0] OR "pituitary tumours"[title/abstract:~0] OR "pituitary cancer"[title/abstract:~0] OR "pituitary cancers"[title/abstract:~0] OR "pituitary carcinoma"[title/abstract:~0] OR "pituitary carcinomas"[title/abstract:~0] OR "pituitary

neoplasms"[title/abstract:~0] OR "pituitary neoplasms"[title/abstract:~0] OR "pituitary malignancies"[title/abstract:~0] OR "pituitary adenoma"[title/abstract:~0] OR "pituitary adenomas"[title/abstract:~0] OR "pituitary macroadenoma"[title/abstract:~0] OR "pituitary macroadenomas"[title/abstract:~0]) AND ("Neoplasm Metastasis"[Mesh] OR "metastases"[tw] OR "metastasis"[tw] OR "metastatic"[tw] OR "micrometastases"[tw] OR "micrometastasis"[tw] OR "micrometastatic"[tw]) AND ("clinical trial"[pt] OR "clinical trial"[tiab] OR "clinical trials as topic"[mesh] OR "clinical trials"[tiab] OR "control groups"[mesh] OR "control group"[tiab] OR "control groups"[tiab] OR "controlled clinical trial"[pt] OR "controlled clinical trials as topic"[mesh] OR "cross-over studies"[mesh] OR "cross over study"[tiab] OR "cross over studies"[tiab] OR "double-blind method"[mesh] OR "double blind"[tiab] OR "evaluation studies as topic"[mesh] OR "placebos"[mesh] OR placebo*[tiab] OR placebos*[tiab] OR "pragmatic clinical trial"[pt] OR "RaCT"[tiab] OR "RaCTs"[tiab] OR "random allocation"[mesh] OR "randomised"[tiab] OR "randomized controlled trial"[pt] OR "randomized controlled trials as topic"[mesh] OR "randomized"[tiab] OR random*[tiab] OR "RCT"[tiab] OR "RCTs"[tiab] OR "Research Design"[MeSH:noexp] OR "Research design"[tiab] OR "Research designs"[tiab] OR "single blind"[tiab] OR "single-blind method"[mesh] OR ((single*[tiab] OR double*[tiab] OR triple*[tiab]) AND (blind*[tiab] OR mask*[tiab])) OR volunteer*[tiab] OR "trial"[ti] OR "trials"[ti])) **OR** (("Pituitary Neoplasms"[majr] OR "pituitary tumor"[ti] OR "pituitary tumors"[ti] OR "pituitary tumour"[ti] OR "pituitary tumours"[ti] OR "pituitary cancer"[ti] OR "pituitary cancers"[ti] OR "pituitary carcinoma"[ti] OR "pituitary carcinomas"[ti] OR "pituitary neoplasms"[ti] OR "pituitary neoplasms"[ti] OR "pituitary malignancies"[ti] OR "pituitary adenoma"[ti] OR "pituitary adenomas"[ti] OR "pituitary macroadenoma"[ti] OR "pituitary macroadenomas"[ti] OR "pituitary tumor"[title:~0] OR "pituitary tumors"[title:~0] OR "pituitary tumour"[title:~0] OR "pituitary tumours"[title:~0] OR "pituitary cancer"[title:~0] OR "pituitary cancers"[title:~0] OR "pituitary carcinoma"[title:~0] OR "pituitary carcinomas"[title:~0] OR "pituitary neoplasms"[title:~0] OR "pituitary neoplasms"[title:~0] OR "pituitary malignancies"[title:~0] OR "pituitary adenoma"[title:~0] OR "pituitary adenomas"[title:~0] OR "pituitary macroadenoma"[title:~0] OR "pituitary macroadenomas"[title:~0]) AND ("Neoplasm Metastasis"[majr] OR "metastases"[ti] OR "metastasis"[ti] OR "metastatic"[ti] OR "micrometastases"[ti] OR "micrometastasis"[ti] OR "micrometastatic"[ti]) AND ("Pituitary Neoplasms/therapy"[majr] OR "Therapeutics"[majr] OR "Surgical Procedures, Operative"[majr] OR "therapy"[tiab] OR "therap*"[tiab] OR "treatment"[tiab] OR "treatments"[tiab] OR "treat"[tiab] OR "treated"[tiab])) **OR** (("Pituitary Neoplasms"[majr] OR "pituitary tumor"[ti] OR "pituitary tumors"[ti] OR "pituitary tumour"[ti] OR "pituitary tumours"[ti] OR "pituitary cancer"[ti] OR "pituitary cancers"[ti] OR "pituitary carcinoma"[ti] OR "pituitary carcinomas"[ti] OR "pituitary neoplasms"[ti] OR "pituitary neoplasms"[ti] OR "pituitary malignancies"[ti] OR "pituitary adenoma"[ti] OR "pituitary adenomas"[ti] OR "pituitary macroadenoma"[ti] OR "pituitary macroadenomas"[ti] OR "pituitary tumor"[title:~0] OR "pituitary tumors"[title:~0] OR "pituitary tumour"[title:~0] OR "pituitary tumours"[title:~0] OR "pituitary cancer"[title:~0] OR "pituitary cancers"[title:~0] OR "pituitary carcinoma"[title:~0] OR "pituitary carcinomas"[title:~0] OR "pituitary neoplasms"[title:~0] OR "pituitary neoplasms"[title:~0] OR "pituitary

malignancies"[title:~0] OR "pituitary adenoma"[title:~0] OR "pituitary adenomas"[title:~0] OR "pituitary macroadenoma"[title:~0] OR "pituitary macroadenomas"[title:~0]) AND ("Neoplasm Metastasis"[majr] OR "metastases"[tiab] OR "metastasis"[tiab] OR "metastatic"[tiab] OR "micrometastases"[tiab] OR "micrometastasis"[tiab] OR "micrometastatic"[tiab]) AND ("Pituitary Neoplasms/therapy"[majr] OR "Therapeutics"[majr] OR "Surgical Procedures, Operative"[majr] OR "therapy"[ti] OR "therap*"[ti] OR "treatment"[ti] OR "treatments"[ti] OR "treat"[ti] OR "treated"[ti])) NOT (("Animals"[mesh] OR "veterinary"[ti] OR "rabbit"[ti] OR "rabbits"[ti] OR "animal"[ti] OR "animals"[ti] OR "mouse"[ti] OR "mice"[ti] OR "rodent"[ti] OR "rodents"[ti] OR "rat"[ti] OR "rats"[ti] OR "pig"[ti] OR "pigs"[ti] OR "porcine"[ti] OR "horse"[ti] OR "horses"[ti] OR "equine"[ti] OR "cow"[ti] OR "cows"[ti] OR "bovine"[ti] OR "goat"[ti] OR "goats"[ti] OR "sheep"[ti] OR "ovine"[ti] OR "canine"[ti] OR "dog"[ti] OR "dogs"[ti] OR "feline"[ti] OR "cat"[ti] OR "cats"[ti] NOT "Humans"[mesh]) AND (Dutch[la] OR English[la] OR French[la] OR German[la]) NOT (("Infant"[mesh] OR "infant"[ti] OR "infants"[ti] OR "Child"[mesh] OR "child"[ti] OR "children"[ti] OR "pediatric*"[ti] OR "paediatric*"[ti] OR "Adolescent"[mesh] OR "Adolescent"[ti] OR "Adolescents"[ti]) NOT ("Adult"[mesh] OR "adult"[ti] OR "adults"[ti] OR "elderly"[ti]))

Embase

<http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=main&MODE=ovid&D=oemezd>

(((exp *"Hypophysis Tumor"/ OR "pituitary tumor".ti,ab OR "pituitary tumors".ti,ab OR "pituitary tumour".ti,ab OR "pituitary tumours".ti,ab OR "pituitary cancer".ti,ab OR "pituitary cancers".ti,ab OR "pituitary carcinoma".ti,ab OR "pituitary carcinomas".ti,ab OR "pituitary neoplasms".ti,ab OR "pituitary neoplasms".ti,ab OR "pituitary malignancies".ti,ab OR "pituitary adenoma".ti,ab OR "pituitary adenomas".ti,ab OR "pituitary macroadenoma".ti,ab OR "pituitary macroadenomas".ti,ab OR ("pituitary" ADJ6 "tumor") OR ("pituitary" ADJ6 "tumors") OR ("pituitary" ADJ6 "tumour") OR ("pituitary" ADJ6 "tumours") OR ("pituitary" ADJ6 "cancer") OR ("pituitary" ADJ6 "cancers") OR ("pituitary" ADJ6 "carcinoma") OR ("pituitary" ADJ6 "carcinomas") OR ("pituitary" ADJ6 "neoplasms") OR ("pituitary" ADJ6 "neoplasms") OR ("pituitary" ADJ6 "malignancies") OR ("pituitary" ADJ6 "adenoma") OR ("pituitary" ADJ6 "adenomas") OR ("pituitary" ADJ6 "macroadenoma") OR ("pituitary" ADJ6 "macroadenomas")).ti,ab) AND ("isolated metastases".ti,ab OR "isolated metastasis".ti,ab OR "isolated metastatic".ti,ab OR ("isolated" ADJ6 "metastases") OR ("isolated" ADJ6 "metastasis") OR ("isolated" ADJ6 "metastatic") OR ("isolated" ADJ6 "micrometastases") OR ("isolated" ADJ6 "micrometastasis") OR ("isolated" ADJ6 "micrometastatic") OR ("solitary" ADJ6 "metastases") OR ("solitary" ADJ6 "metastasis") OR ("solitary" ADJ6 "metastatic") OR ("solitary" ADJ6 "micrometastases") OR ("solitary" ADJ6 "micrometastasis") OR ("solitary" ADJ6 "micrometastatic")).ti,ab))

OR ((exp *"Hypophysis Tumor"/ OR "pituitary tumor".ti,ab OR "pituitary tumors".ti,ab OR "pituitary tumour".ti,ab OR "pituitary tumours".ti,ab OR "pituitary cancer".ti,ab OR "pituitary cancers".ti,ab OR "pituitary carcinoma".ti,ab OR "pituitary carcinomas".ti,ab OR "pituitary neoplasms".ti,ab OR "pituitary neoplasms".ti,ab OR "pituitary

malignancies".ti,ab OR "pituitary adenoma".ti,ab OR "pituitary adenomas".ti,ab OR "pituitary macroadenoma".ti,ab OR "pituitary macroadenomas".ti,ab OR (("pituitary" ADJ0 "tumor") OR ("pituitary" ADJ0 "tumors") OR ("pituitary" ADJ0 "tumour") OR ("pituitary" ADJ0 "tumours") OR ("pituitary" ADJ0 "cancer") OR ("pituitary" ADJ0 "cancers") OR ("pituitary" ADJ0 "carcinoma") OR ("pituitary" ADJ0 "carcinomas") OR ("pituitary" ADJ0 "neoplasms") OR ("pituitary" ADJ0 "neoplasms") OR ("pituitary" ADJ0 "malignancies") OR ("pituitary" ADJ0 "adenoma") OR ("pituitary" ADJ0 "adenomas") OR ("pituitary" ADJ0 "macroadenoma") OR ("pituitary" ADJ0 "macroadenomas")).ti,ab) AND (exp *"Metastasis"/ OR "metastases".ti,ab OR "metastasis".ti,ab OR "metastatic".ti,ab OR "micrometastases".ti,ab OR "micrometastasis".ti,ab OR "micrometastatic".ti,ab) AND (exp "clinical trial"/ OR "clinical trial".ti,ab OR exp "clinical trial (topic)"/ OR "clinical trials".ti,ab OR exp "control group"/ OR "control group".ti,ab OR "control groups".ti,ab OR exp "controlled clinical trial"/ OR exp "controlled clinical trial (topic)"/ OR exp "crossover procedure"/ OR "cross over study".ti,ab OR "cross over studies".ti,ab OR exp "double blind procedure"/ OR exp "single blind procedure"/ OR exp "triple blind procedure"/ OR "double blind".ti,ab OR exp "placebo"/ OR placebo*.ti,ab OR placebos*.ti,ab OR exp "pragmatic trial"/ OR "RaCT".ti,ab OR "RaCTs".ti,ab OR exp "randomization"/ OR "randomised ".ti,ab OR exp "randomized controlled trial"/ OR exp "randomized controlled trial (topic)"/ OR "randomized".ti,ab OR random*.ti,ab OR "RCT".ti,ab OR "RCTs".ti,ab OR "Research design".ti,ab OR "Research designs".ti,ab OR "single blind".ti,ab OR ((single*.ti,ab OR double*.ti,ab OR triple*.ti,ab) AND (blind*.ti,ab OR mask*.ti,ab)) OR volunteer*.ti,ab OR "trial".ti OR "trials".ti)) **OR** ((exp *"Hypophysis Tumor"/ OR "pituitary tumor".ti OR "pituitary tumors".ti OR "pituitary tumour".ti OR "pituitary tumours".ti OR "pituitary cancer".ti OR "pituitary cancers".ti OR "pituitary carcinoma".ti OR "pituitary carcinomas".ti OR "pituitary neoplasms".ti OR "pituitary neoplasms".ti OR "pituitary malignancies".ti OR "pituitary adenoma".ti OR "pituitary adenomas".ti OR "pituitary macroadenoma".ti OR "pituitary macroadenomas".ti OR (("pituitary" ADJ0 "tumor") OR ("pituitary" ADJ0 "tumors") OR ("pituitary" ADJ0 "tumour") OR ("pituitary" ADJ0 "tumours") OR ("pituitary" ADJ0 "cancer") OR ("pituitary" ADJ0 "cancers") OR ("pituitary" ADJ0 "carcinoma") OR ("pituitary" ADJ0 "carcinomas") OR ("pituitary" ADJ0 "neoplasms") OR ("pituitary" ADJ0 "neoplasms") OR ("pituitary" ADJ0 "malignancies") OR ("pituitary" ADJ0 "adenoma") OR ("pituitary" ADJ0 "adenomas") OR ("pituitary" ADJ0 "macroadenoma") OR ("pituitary" ADJ0 "macroadenomas")).ti) AND (exp *"Metastasis"/ OR "metastases".ti OR "metastasis".ti OR "metastatic".ti OR "micrometastases".ti OR "micrometastasis".ti OR "micrometastatic".ti) AND (exp *"Hypophysis Tumor"/th OR exp *"Therapy"/ OR exp *"Surgery"/ OR "therapy".ti,ab OR "therap*".ti,ab OR "treatment".ti,ab OR "treatments".ti,ab OR "treat".ti,ab OR "treated".ti,ab)) **OR** ((exp *"Hypophysis Tumor"/ OR "pituitary tumor".ti OR "pituitary tumors".ti OR "pituitary tumour".ti OR "pituitary tumours".ti OR "pituitary cancer".ti OR "pituitary cancers".ti OR "pituitary carcinoma".ti OR "pituitary carcinomas".ti OR "pituitary neoplasms".ti OR "pituitary neoplasms".ti OR "pituitary malignancies".ti OR "pituitary adenoma".ti OR "pituitary adenomas".ti OR "pituitary macroadenoma".ti OR "pituitary macroadenomas".ti OR (("pituitary" ADJ0 "tumor") OR ("pituitary" ADJ0 "tumors") OR ("pituitary" ADJ0 "tumour") OR ("pituitary" ADJ0 "tumours") OR ("pituitary" ADJ0 "cancer") OR ("pituitary" ADJ0

"cancers") OR ("pituitary" ADJ0 "carcinoma") OR ("pituitary" ADJ0 "carcinomas") OR ("pituitary" ADJ0 "neoplasms") OR ("pituitary" ADJ0 "neoplasms") OR ("pituitary" ADJ0 "malignancies") OR ("pituitary" ADJ0 "adenoma") OR ("pituitary" ADJ0 "adenomas") OR ("pituitary" ADJ0 "macroadenoma") OR ("pituitary" ADJ0 "macroadenomas").ti) AND (exp *"Metastasis"/ OR "metastases".ti,ab OR "metastasis".ti,ab OR "metastatic".ti,ab OR "micrometastases".ti,ab OR "micrometastasis".ti,ab OR "micrometastatic".ti,ab) AND (exp *"Hypophysis Tumor"/th OR exp *"Therapy"/ OR exp *"Surgery"/ OR "therapy".ti OR "therap*".ti OR "treatment".ti OR "treatments".ti OR "treat".ti OR "treated".ti)) NOT ((exp "Animals"/ OR "veterinary".ti OR "rabbit".ti OR "rabbits".ti OR "animal".ti OR "animals".ti OR "mouse".ti OR "mice".ti OR "rodent".ti OR "rodents".ti OR "rat".ti OR "rats".ti OR "pig".ti OR "pigs".ti OR "porcine".ti OR "horse".ti OR "horses".ti OR "equine".ti OR "cow".ti OR "cows".ti OR "bovine".ti OR "goat".ti OR "goats".ti OR "sheep".ti OR "ovine".ti OR "canine".ti OR "dog".ti OR "dogs".ti OR "feline".ti OR "cat".ti OR "cats".ti) NOT exp "Humans"/) AND (Dutch.la OR English.la OR French.la OR German.la) NOT ((exp "Infant"/ OR "infant".ti OR "infants".ti OR exp "Child"/ OR "child".ti OR "children".ti OR "pediatric*".ti OR "paediatric*".ti OR exp "Adolescent"/ OR "Adolescent".ti OR "Adolescents".ti) NOT (exp "Adult"/ OR "adult".ti OR "adults".ti OR "elderly".ti))

- o NOT conference review.pt
- o NOT (conference review or conference abstract).pt
- o AND (conference abstract).pt

Web of Science

<http://isiknowledge.com/wos>

((((TI=("Hypophysis Tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR ("pituitary" NEAR/0 "tumor") OR ("pituitary" NEAR/0 "tumors") OR ("pituitary" NEAR/0 "tumour") OR ("pituitary" NEAR/0 "tumours") OR ("pituitary" NEAR/0 "cancer") OR ("pituitary" NEAR/0 "cancers") OR ("pituitary" NEAR/0 "carcinoma") OR ("pituitary" NEAR/0 "carcinomas") OR ("pituitary" NEAR/0 "neoplasms") OR ("pituitary" NEAR/0 "neoplasms") OR ("pituitary" NEAR/0 "malignancies") OR ("pituitary" NEAR/0 "adenoma") OR ("pituitary" NEAR/0 "adenomas") OR ("pituitary" NEAR/0 "macroadenoma") OR ("pituitary" NEAR/0 "macroadenomas")))) OR AK=("Hypophysis Tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas") OR AB=("Hypophysis Tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary

neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas") OR AB=("Hypophysis Tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR (("pituitary" NEAR/0 "tumor") OR ("pituitary" NEAR/0 "tumors") OR ("pituitary" NEAR/0 "tumour") OR ("pituitary" NEAR/0 "tumours") OR ("pituitary" NEAR/0 "cancer") OR ("pituitary" NEAR/0 "cancers") OR ("pituitary" NEAR/0 "carcinoma") OR ("pituitary" NEAR/0 "carcinomas") OR ("pituitary" NEAR/0 "neoplasms") OR ("pituitary" NEAR/0 "neoplasms") OR ("pituitary" NEAR/0 "malignancies") OR ("pituitary" NEAR/0 "adenoma") OR ("pituitary" NEAR/0 "adenomas") OR ("pituitary" NEAR/0 "macroadenoma") OR ("pituitary" NEAR/0 "macroadenomas")))) AND (TI=("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic") OR AK=("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic") OR AB=("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic")) AND (TI=("clinical trial" OR "clinical trial" OR "clinical trial (topic)" OR "clinical trials" OR "control group" OR "control group" OR "control groups" OR "controlled clinical trial" OR "controlled clinical trial (topic)" OR "crossover procedure" OR "cross over study" OR "cross over studies" OR "double blind procedure" OR "single blind procedure" OR "triple blind procedure" OR "double blind" OR "placebo" OR placebo* OR placebos* OR "pragmatic trial" OR "RaCT" OR "RaCTs" OR "randomization" OR "randomised " OR "randomized controlled trial" OR "randomized controlled trial" OR "randomized" OR random* OR "RCT" OR "RCTs" OR "Research design" OR "Research designs" OR "single blind" OR ((single* OR double* OR triple*) AND (blind* OR mask*)) OR volunteer* OR "trial" OR "trials") OR AK=("clinical trial" OR "clinical trial" OR "clinical trial (topic)" OR "clinical trials" OR "control group" OR "control group" OR "control groups" OR "controlled clinical trial" OR "controlled clinical trial (topic)" OR "crossover procedure" OR "cross over study" OR "cross over studies" OR "double blind procedure" OR "single blind procedure" OR "triple blind procedure" OR "double blind" OR "placebo" OR placebo* OR placebos* OR "pragmatic trial" OR "RaCT" OR "RaCTs" OR "randomization" OR "randomised " OR "randomized controlled trial" OR "randomized controlled trial" OR "randomized" OR random* OR "RCT" OR "RCTs" OR "Research design" OR "Research designs" OR "single blind" OR ((single* OR double* OR triple*) AND (blind* OR mask*)) OR volunteer* OR "trial" OR "trials") OR AB=("clinical trial" OR "clinical trial" OR "clinical trial (topic)" OR "clinical trials" OR "control group" OR "control group" OR "control groups" OR "controlled clinical trial" OR "controlled clinical trial (topic)" OR "crossover procedure" OR "cross over study" OR "cross over studies" OR "double blind procedure" OR "single blind procedure" OR "triple blind procedure" OR "double blind" OR "placebo" OR placebo* OR placebos* OR "pragmatic trial" OR "RaCT" OR "RaCTs" OR "randomization" OR "randomised " OR "randomized controlled trial" OR "randomized controlled trial" OR "randomized" OR random* OR "RCT" OR "RCTs" OR

"Research design" OR "Research designs" OR "single blind" OR ((single* OR double* OR triple*) AND (blind* OR mask*)) OR volunteer*)) **OR** (TI=("Hypophysis Tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR (("pituitary" NEAR/0 "tumor") OR ("pituitary" NEAR/0 "tumors") OR ("pituitary" NEAR/0 "tumour") OR ("pituitary" NEAR/0 "tumours") OR ("pituitary" NEAR/0 "cancer") OR ("pituitary" NEAR/0 "cancers") OR ("pituitary" NEAR/0 "carcinoma") OR ("pituitary" NEAR/0 "carcinomas") OR ("pituitary" NEAR/0 "neoplasms") OR ("pituitary" NEAR/0 "neoplasms") OR ("pituitary" NEAR/0 "malignancies") OR ("pituitary" NEAR/0 "adenoma") OR ("pituitary" NEAR/0 "adenomas") OR ("pituitary" NEAR/0 "macroadenoma") OR ("pituitary" NEAR/0 "macroadenomas"))) AND (TI=("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic") OR AK=("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic")) AND (TI=("Therapy" OR "Surgery" OR "therapy" OR "therap*" OR "treatment" OR "treatments" OR "treat" OR "treated") OR AK=("Therapy" OR "Surgery" OR "therapy" OR "therap*" OR "treatment" OR "treatments" OR "treat" OR "treated") OR AB=("Therapy" OR "Surgery" OR "therapy" OR "therap*" OR "treatment" OR "treatments" OR "treat" OR "treated")) **OR** (TI=("Hypophysis Tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR (("pituitary" NEAR/0 "tumor") OR ("pituitary" NEAR/0 "tumors") OR ("pituitary" NEAR/0 "tumour") OR ("pituitary" NEAR/0 "tumours") OR ("pituitary" NEAR/0 "cancer") OR ("pituitary" NEAR/0 "cancers") OR ("pituitary" NEAR/0 "carcinoma") OR ("pituitary" NEAR/0 "carcinomas") OR ("pituitary" NEAR/0 "neoplasms") OR ("pituitary" NEAR/0 "neoplasms") OR ("pituitary" NEAR/0 "malignancies") OR ("pituitary" NEAR/0 "adenoma") OR ("pituitary" NEAR/0 "adenomas") OR ("pituitary" NEAR/0 "macroadenoma") OR ("pituitary" NEAR/0 "macroadenomas"))) AND (TI=("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic") OR AK=("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic")) OR AB=("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic")) AND (TI=("Therapy" OR "Surgery" OR "therapy" OR "therap*" OR "treatment" OR "treatments" OR "treat" OR "treated") OR AK=("Therapy" OR "Surgery" OR "therapy" OR "therap*" OR "treatment" OR "treatments" OR "treat" OR "treated")) **NOT** ((TI=("Animals"/ OR "veterinary" OR "rabbit" OR "rabbits" OR "animal" OR "animals" OR "mouse" OR "mice" OR "rodent" OR "rodents" OR "rat" OR "rats" OR "pig" OR "pigs" OR "porcine" OR "horse" OR "horses" OR "equine" OR "cow" OR "cows" OR "bovine" OR "goat" OR "goats" OR "sheep" OR "ovine" OR "canine" OR "dog" OR

"dogs" OR "feline" OR "cat" OR "cats") OR AK=("Animals"/ OR "veterinary" OR "rabbit" OR "rabbits" OR "animal" OR "animals" OR "mouse" OR "mice" OR "rodent" OR "rodents" OR "rat" OR "rats" OR "pig" OR "pigs" OR "porcine" OR "horse" OR "horses" OR "equine" OR "cow" OR "cows" OR "bovine" OR "goat" OR "goats" OR "sheep" OR "ovine" OR "canine" OR "dog" OR "dogs" OR "feline" OR "cat" OR "cats")) NOT (TI=("Humans" OR "Human") OR AK=("Humans" OR "Human")) AND LA=(Dutch OR English OR French OR German) NOT ((TI=("Infant" OR "infants" OR "Child" OR "children" OR "pediatric*" OR "paediatric*" OR "Adolescent" OR "Adolescents") OR AK=("Infant" OR "infants" OR "Child" OR "children" OR "pediatric*" OR "paediatric*" OR "Adolescent" OR "Adolescents")) NOT (TI=("Adult" OR "adults" OR "elderly") OR AK=("Adult" OR "adults" OR "elderly")))

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((("Hypophysis Tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR ("pituitary" NEAR/6 "tumor") OR ("pituitary" NEAR/6 "tumors") OR ("pituitary" NEAR/6 "tumour") OR ("pituitary" NEAR/6 "tumours") OR ("pituitary" NEAR/6 "cancer") OR ("pituitary" NEAR/6 "cancers") OR ("pituitary" NEAR/6 "carcinoma") OR ("pituitary" NEAR/6 "carcinomas") OR ("pituitary" NEAR/6 "neoplasms") OR ("pituitary" NEAR/6 "neoplasms") OR ("pituitary" NEAR/6 "malignancies") OR ("pituitary" NEAR/6 "adenoma") OR ("pituitary" NEAR/6 "adenomas") OR ("pituitary" NEAR/6 "macroadenoma") OR ("pituitary" NEAR/6 "macroadenomas")))) AND ("isolated metastases" OR "isolated metastasis" OR "isolated metastatic" OR ("isolated" NEAR/6 "metastases") OR ("isolated" NEAR/6 "metastasis") OR ("isolated" NEAR/6 "metastatic") OR ("isolated" NEAR/6 "micrometastases") OR ("isolated" NEAR/6 "micrometastasis") OR ("isolated" NEAR/6 "micrometastatic") OR ("solitary" NEAR/6 "metastases") OR ("solitary" NEAR/6 "metastasis") OR ("solitary" NEAR/6 "metastatic") OR ("solitary" NEAR/6 "micrometastases") OR ("solitary" NEAR/6 "micrometastasis") OR ("solitary" NEAR/6 "micrometastatic"))):ti,ab,kw OR ("Hypophysis Tumor" OR "pituitary tumor" OR "pituitary tumors" OR "pituitary tumour" OR "pituitary tumours" OR "pituitary cancer" OR "pituitary cancers" OR "pituitary carcinoma" OR "pituitary carcinomas" OR "pituitary neoplasms" OR "pituitary neoplasms" OR "pituitary malignancies" OR "pituitary adenoma" OR "pituitary adenomas" OR "pituitary macroadenoma" OR "pituitary macroadenomas" OR ("pituitary" NEAR/6 "tumor") OR ("pituitary" NEAR/6 "tumors") OR ("pituitary" NEAR/6 "tumour") OR ("pituitary" NEAR/6 "tumours") OR ("pituitary" NEAR/6 "cancer") OR ("pituitary" NEAR/6 "cancers") OR ("pituitary" NEAR/6 "carcinoma") OR ("pituitary" NEAR/6 "carcinomas") OR ("pituitary" NEAR/6 "neoplasms") OR ("pituitary" NEAR/6 "neoplasms") OR ("pituitary" NEAR/6 "malignancies") OR ("pituitary" NEAR/6 "adenoma") OR ("pituitary" NEAR/6 "adenomas") OR ("pituitary" NEAR/6

"macroadenoma") OR ("pituitary" NEAR/6 "macroadenomas")) AND ("Metastasis" OR "metastases" OR "metastasis" OR "metastatic" OR "micrometastases" OR "micrometastasis" OR "micrometastatic"):ti,ab,kw) NOT (("Infant" OR "infants" OR "Child" OR "children" OR "pediatric*" OR "paediatric*" OR "Adolescent" OR "Adolescents") NOT ("Adult" OR "adults" OR "elderly")):ti

(conference abstract OR meeting abstract OR conference proceeding OR conference proceedings):pt