

小児，思春期・若年がん患者の妊孕性温存に関する診療ガイドライン 2017 年版 文献検索式

データベース：PubMed，医中誌

言語：英語，日本語

検索期間：1987 年～ 2015 年 12 月

総論

CQ1 拳児希望を有するがん患者に対して，どのような妊孕性に関連する情報を提供すべきか？

PubMed

検索日：2016 年 7 月 19 日（火）

No.	検索式	検索件数
#01	"Neoplasms/therapy"[Majr] OR ((cancer*[TI] OR neoplasm*[TI] OR carcinoma*[TI] OR adenocarcinoma*[TI]) AND (therap*[TI] OR treatment*[TI] OR pharmacotherap*[TI] OR chemotherap*[TI]) NOT medline[SB])	820,548
#02	#1 AND delay*[TI]	2,173
#03	#2 AND (JAPANESE[LA] OR ENGLISH[LA])	1,996
#04	#3 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI])	29
#05	#3 AND (Review[PT] OR review[TI] OR overview[TI])	118
#06	#4 OR #5	131
#07	#3 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	233
#08	#3 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	600
#09	#7 AND ("Survival Analysis"[Mesh] OR "Survival Rate"[Mesh] OR surviv*[TI] OR "Mortality"[Mesh] OR mortalit*[TI])	64
#10	#9 NOT #6	60
#11	#8 AND ("Survival Analysis"[Mesh] OR "Survival Rate"[Mesh] OR surviv*[TI] OR "Mortality"[Mesh] OR mortalit*[TI])	181
#12	#11 NOT (#6 OR #9)	137

医中誌

検索日：2016 年 5 月 23 日（月）

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性温存/TH or 妊孕性保存/TA or 保存的手術/TA or 保存的管理/TA	1,270
#2	腫瘍/TH and (SH= 治療，薬物療法，外科的療法，食事療法，精神療法，放射線療法)	816,192
#3	(腫瘍/TI or 癌/TI) and (療法/TA or 治療/TA or 手術/TA or 外科/TA or 切除/TA)	453,247
#4	#1 and (#2 or #3)	719
#5	#4 and (PT= 総説)	8
#6	#4 and (RD= ランダム化比較試験，準ランダム化比較試験，比較研究)	20
#7	#4 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	78
#8	#5 or #6 or #7	93
#9	意思決定/TH or 意思決定/TA	10,880
#10	#4 and #9	6
#11	拳児/TA and 希望/TA	1,039
#12	#4 and #11	35
#13	#10 or #12	40
#14	#13 and (PT= 総説)	1
#15	#13 and (RD= ランダム化比較試験，準ランダム化比較試験，比較研究)	2
#16	#13 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	7
#17	#5 or #6 or #7	10
#18	#17 not #8	0
#19	#13 not #8	30
#20	#19 and (PT= 原著論文)	17

CQ2 挙児希望を有する女性がん患者に対して、どのような生殖補助医療が勧められるか？
CQ3 挙児希望を有する男性がん患者に対して、どのような生殖補助医療が勧められるか？

(fertility preservation) and (assisted reproductive technology)
 (fertility preservation) and (assisted reproduction)
 (fertility preservation) and embryo and cryopreservation
 (fertility preservation) and oocyte and cryopreservation
 (fertility preservation) and (ovary or ovarian) and cryopreservation
 (fertility preservation) and sperm and cryopreservation
 (fertility preservation) and (testis or testicular) and cryopreservation
 妊孕性温存 and 生殖補助医療
 妊孕性温存 and 生殖医療
 妊孕性温存 and 卵子 and 凍結
 妊孕性温存 and 卵巣 and 凍結
 妊孕性温存 and 精子 and 凍結
 妊孕性温存 and 精巣 and 凍結

上記の検索語を用いて、下記検索式のように文献検索を行った。
 得られた文献のうち、女性がん患者の妊孕性温存に関する文献を CQ2 に用い、男性がん患者の妊孕性温存に関する文献を CQ3 に用いた。

なお、CQ2 文献 25-28 については、次の検索語を用いたハンドサーチを行った。
 (pregnancy outcome) and cancer and survivor
 chemotherapy and oocyte and (assisted reproduction)

PubMed

検索日：2016 年 5 月 16 日（月）

No.	検索式	件数
#01	“Fertility Preservation”[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR conservative surg*[TIAB] OR conservative treatment*[TIAB] OR conservative management*[TIAB] OR conservative operation*[TIAB] OR treated conservative*[TIAB]	50,268
#02	“Reproductive Techniques, Assisted”[Majr] OR reproductive technique*[TI] OR reproductive technolog*[TI] OR reproductive outcome*[TI] OR reproductive age*[TI] OR reproductive medicine*[TI] OR reproductive function*[TI] OR reproductive safet*[TI] OR reproduction*[TI]	56,697
#03	#1 AND #2	1,175
#04	“Cryopreservation”[Mesh] AND “Ovum”[Mesh]	2,471
#05	cryopreservation*[TIAB] AND (ovum*[TIAB] OR ova[TIAB] OR oocyte*[TIAB]) NOT medline[SB]	216
#06	“Cryopreservation”[Mesh] AND “Ovary”[Mesh]	1,212
#07	cryopreservation*[TIAB] AND (ovary[TIAB] OR ovarian*[TIAB]) NOT medline[SB]	194
#08	“Cryopreservation”[Mesh] AND (“Spermatozoa”[Mesh] OR “Sperm Retrieval”[Mesh])	3,141
#09	cryopreservation*[TIAB] AND (sperm[TIAB] OR sperms[TIAB] OR spermatozoa[TIAB]) NOT medline[SB]	344
#10	“Cryopreservation”[Mesh] AND “Testis”[Mesh]	403
#11	cryopreservation*[TIAB] AND (testis[TIAB] OR testes[TIAB] OR testicle*[TIAB] OR testicular[TIAB]) NOT medline[SB]	79
#12	#1 AND (#4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11)	782
#13	#3 OR #12	1,630
#14	#13 AND (English[LA] OR Japanese[LA])	1,487
#15	#14 AND (“Meta-Analysis”[PT] OR “meta-analysis”[TIAB] OR “Cochrane Database Syst Rev”[TA] OR systematic review*[TIAB] OR “Guideline”[PT] OR “Guidelines as Topic”[MH] OR guideline*[TIAB])	110
#16	#14 AND (Review[PT] OR review[TI] OR overview[TI])	450
#17	“Cryopreservation”[Majr] OR cryopreserv*[TI]	17,190
#18	#16 AND (#2 OR #17)	378
#19	“Neoplasms/therapy”[Majr]	793,567
#20	#18 AND #19	156
#21	#20 NOT #15	129
#22	#16 AND “Neoplasms/therapy”[Mesh]	249
#23	#22 NOT (#15 OR #21)	88

医中誌

検索日：2016 年 5 月 16 日（月）

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性温存/TH or 妊孕性保存/TA or 保存的手術/TA or 保存的管理/TA	1,270
#2	生殖補助技術/TH or 生殖補助技術/TA or 生殖補助医療/TA or 生殖医療/TA	24,640
#3	#1 and #2	965

No.	検索式	件数
#4	#3 and (精液保存/TH or 精子銀行/TH or 精液保存/AL or 精子銀行/AL or 精子バンク/AL)	23
#5	(凍結保存/TH or 凍結/TA) and (卵/TH or 卵子/TA or 卵細胞/TA or 卵母細胞/TA)	1129
#6	(凍結保存/TH or 凍結/TA) and (卵巣/TH or 卵巣/TA)	628
#7	(凍結保存/TH or 凍結/TA) and (精子/TH or 精子/TA or 精子採取/TH)	1374
#8	(凍結保存/TH or 凍結/TA) and (精巣/TH or 精巣/TA or 睪丸/TA)	298
#9	#1 and (#5 or #6 or #7 or #8)	181
#10	#3 or #9	966
#11	#10 and (PT= 総説)	12
#12	#10 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	24
#13	#10 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	89
#14	#11 or #12 or #13	111
#15	腫瘍/TH and (SH= 治療, 薬物療法, 外科的療法, 食事療法, 精神療法, 放射線療法)	816,192
#16	(腫瘍/TI or 癌/TI) and (療法/TA or 治療/TA or 手術/TA or 外科/TA or 切除/TA)	453,247
#17	#10 and (#15 or #16)	607
#18	#17 not #14	522
#19	#18 and (PT= 原著論文)	73

CQ4 遺伝性腫瘍患者に対して、どのような妊孕性に関連する情報を提供すべきか？

PubMed

検索日：2016 年 6 月 17 日（金）

No.	検索式	件数
#01	“Fertility Preservation”[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR conservative surg*[TIAB] OR conservative treatment*[TIAB] OR conservative management*[TIAB] OR conservative operation*[TIAB] OR treated conservative!*[TIAB]	50,504
#02	#1 AND “Neoplastic Syndromes, Hereditary”[Mesh]	144
#03	#1 AND “Neoplasms/genetics”[Mesh]	187
#04	#1 AND (“Genes, BRCA1”[Mesh] OR “Genes, BRCA2”[Mesh])	18
#05	#1 AND (familial cancer*[TIAB] OR familial tumo*[TIAB] OR hereditary cancer*[TIAB] OR hereditary tumo*[TIAB] OR BRCA*[TIAB])	35
#06	#2 OR #3 OR #4 OR #5	335
#07	“Fertility”[Mesh] OR fertility[TIAB] OR fecundability[TIAB] OR fecundity[TIAB]	88,600
#08	#7 AND “Neoplastic Syndromes, Hereditary”[Mesh]	58
#09	#7 AND “Neoplasms/genetics”[Mesh]	334
#10	#7 AND (“Genes, BRCA1”[Mesh] OR “Genes, BRCA2”[Mesh])	37
#11	#7 AND (familial cancer*[TIAB] OR familial tumo*[TIAB] OR hereditary cancer*[TIAB] OR hereditary tumo*[TIAB] OR BRCA*[TIAB])	83
#12	#8 OR #9 OR #10 OR #11	434
#13	#6 OR #12	705
#14	#13 AND (English[LA] OR Japanese[LA])	626
#15	#14 AND (“Meta-Analysis”[PT] OR “meta-analysis”[TIAB] OR “Cochrane Database Syst Rev”[TA] OR systematic review*[TIAB] OR “Guideline”[PT] OR “Guidelines as Topic”[MH] OR guideline*[TIAB])	18
#16	#14 AND (Review[PT] OR review[TI] OR overview[TI])	161
#17	#16 NOT #15	152
#18	#14 AND (“Genetic Counseling”[Mesh] OR “Preconception Care”[Mesh] OR “Directive Counseling”[Mesh] OR counsel*[TIAB])	35
#19	#18 NOT (#15 OR #17)	19

医中誌

検索日：2016 年 6 月 17 日（金）

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性温存/TH or 妊孕性保存/TA or 保存の手術/TA or 保存的管理/TA	1,299
#2	生殖能力/TH or 生殖能/TA or 受精能/TA or 受胎能/TA or 妊孕性/TA	5,456
#3	腫瘍症候群-遺伝性/TH	21,206
#4	BRCA1 遺伝子/TH or BRCA2 遺伝子/TH	836
#5	(遺伝性/TA or 家族性/TA or BRCA/TA) and (腫瘍/TA or 癌/TA)	5,397
#6	(腫瘍/TH) and (SH= 遺伝学)	58,474
#7	(腫瘍/TH) and (遺伝性/TA or 家族性/TA)	6,752

No.	検索式	件数
#8	(#1 or #2) and (#3 or #4 or #5 or #6 or #7)	19
#9	#8 and (PT= 原著論文, 総説)	6
#10	#8 and (RD= メタアナリシス, ランダム化比較試験, 準ランダム化比較試験, 比較研究, 診療ガイドライン)	0
#11	#8 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	1
#12	#9 or #11	6
#13	#8 not #12	13

以上の検索式から得られた文献からは採用可能な文献はないと判断した。
その後作成委員間でのレビューにより、2 件の文献が追加採用すべきと判断された。

女性生殖器

CQ1 どのような子宮頸がん患者が妊孕性温存療法の適応となるか？

CQ2 子宮頸がんに対する妊孕性温存術式は？

PubMed

検索日：2016 年 7 月 5 日（火）

No.	検索式	検索件数
#01	“Uterine Cervical Neoplasms/therapy”[Mesh] OR ((cervical[TIAB] OR cervix[TIAB]) AND (cancer[TIAB] OR neoplasm*[TIAB] OR carcinoma*[TIAB] OR adenocarcinoma*[TIAB]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR radiotherapy[TIAB] OR radiation[TIAB] OR chemotherap*[TIAB] OR pharmacotherap*[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR radiochemo*[TIAB] OR chemoradio*[TIAB]) NOT medline[SB])	32,287
#02	“Fertility”[Mesh] OR “Fertility Preservation”[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR fertility conserv*[TIAB]	37,914
#03	conservative surg*[TIAB] OR conservative treatment*[TIAB] OR conservative management*[TIAB] OR conservative operation*[TIAB] OR conserving surg*[TIAB] OR conserving treatment*[TIAB] OR conserving management*[TIAB] OR conserving operation*[TIAB] OR treated conservative*[TIAB] OR conservatively treat*[TIAB] OR preserving surg*[TIAB] OR preserving treatment*[TIAB] OR preserving management*[TIAB] OR preserving operation*[TIAB] OR ovarian preserv*[TIAB] OR ovaries preserv*[TIAB] OR ovary preserv*[TIAB]	54,396
#04	#1 AND (#2 OR #3)	831
#05	#4 AND (JAPANESE[LA] OR ENGLISH[LA])	712
#06	#5 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	195
#07	“Uterine Cervical Neoplasms/surgery”[Mesh] OR ((cervical[TIAB] OR cervix[TIAB]) AND (cancer[TIAB] OR neoplasm*[TIAB] OR carcinoma*[TIAB] OR adenocarcinoma*[TIAB]) AND (surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB]) NOT medline[SB])	9,838
#08	#7 AND (#2 OR #3)	633
#09	#8 AND (JAPANESE[LA] OR ENGLISH[LA])	548
#10	#9 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	26
#11	#9 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	196
#12	#9 AND (“Treatment Outcome”[Mesh] OR “Treatment Failure”[Mesh])	105
#13	(#10 OR #11 OR #12) NOT #6	211
#14	#5 NOT #9	164
#15	#14 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	8
#16	#14 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	42
#17	#14 AND (“Treatment Outcome”[Mesh] OR “Treatment Failure”[Mesh])	20
#18	(#15 OR #16 OR #17) NOT (#6 OR #13)	46

CQ3 どのような子宮体がん患者が妊孕性温存療法（高用量黄体ホルモン療法）の適応となるか？

PubMed

検索日：2016 年 7 月 6 日（水）

No.	検索式	検索件数
#01	“Endometrial Neoplasms/therapy”[Mesh] OR ((endometrial[TIAB] OR endometrium[TIAB]) AND (cancer*[TIAB] OR neoplasm*[TIAB] OR carcinoma*[TIAB] OR adenocarcinoma*[TIAB]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR radiotherapy[TIAB] OR radiation[TIAB] OR chemotherap*[TIAB] OR pharmacotherap*[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR radiochemo*[TIAB] OR chemoradio*[TIAB]) NOT medline[SB])	8,107

No.	検索式	検索件数
#02	"Fertility"[Mesh] OR "Fertility Preservation"[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR fertility conserv*[TIAB]	37,915
#03	conservative surg*[TIAB] OR conservative treatment*[TIAB] OR conservative therap*[TIAB] OR conservative management*[TIAB] OR conservative operation*[TIAB] OR conserving surg*[TIAB] OR conserving treatment*[TIAB] OR conserving therap*[TIAB] OR conserving management*[TIAB] OR conserving operation*[TIAB] OR treated conservative*[TIAB] OR conservatively treat*[TIAB] OR preserving surg*[TIAB] OR preserving treatment*[TIAB] OR preserving management*[TIAB] OR preserving operation*[TIAB] OR ovarian preserv*[TIAB] OR ovaries preserv*[TIAB] OR ovary preserv*[TIAB] OR preserve childbear*[TIAB]	61,502
#04	#1 AND (#2 OR #3)	342
#05	#4 AND (JAPANESE[LA] OR ENGLISH[LA])	305
#06	#5 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	95
#07	#5 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB] OR phase I stud*[TIAB] OR phase II stud*[TIAB] OR phase III stud*[TIAB]) NOT medline[SB]))	20
#08	#5 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	78
#09	(#7 OR #8) NOT #6	78
#10	#5 AND ("Treatment Outcome"[Mesh] OR "Treatment Failure"[Mesh] OR "Pregnancy Outcome"[Mesh])	89
#11	#10 NOT (#6 OR #9)	32

医中誌

検索日：2016 年 7 月 6 日（水）

No.	検索式	検索件数
#01	子宮内膜腫瘍/TH or 子宮内膜腫瘍/TA or 子宮体がん/TA or 子宮体ガン/TA or 子宮体癌/TA or 子宮体部がん/TA or 子宮体部ガン/TA or 子宮体部悪性腫瘍/TA or 子宮体部癌/TA or 子宮体部腫瘍/TA or 子宮内膜がん/TA or 子宮内膜ガン/TA or 子宮内膜癌/TA	20,815
#02	#1 and (SH= 治療の利用, 治療, 薬物療法, 外科的療法, 移植, 放射線療法)	7,203
#03	#1 and (治療/TH or 治療/TA or 療法/TA)	7,050
#04	#2 or #3	9,992
#05	妊孕性温存/TH or 生殖能力/TH or 妊孕性温存/TA or 生殖能力/TA or 保存的/TA	30,728
#06	#4 and #5	396
#07	#6 and (PT= 総説)	4
#08	#6 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	7
#09	#6 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH or ガイドライン/TH)	41
#10	#6 and (メタアナリシス/TA or システマティックレビュー/TA or システマティック・レビュー/TA or ガイドライン/TA or 臨床試験/TA or 比較試験/TA or ランダム/TA or 無作為/TA or コホート/TA or 比較対照/TA)	8
#11	#7 or #8 or #9 or #10	52
#12	#6 and (PT= 原著論文)	102
#13	#12 not #11	83

CQ4 どのような卵巣悪性腫瘍患者が妊孕性温存療法の適応となるか？

CQ5 卵巣悪性腫瘍患者に対する妊孕性温存療法の術式は？

PubMed

検索日：2016 年 3 月 28 日（月）

No.	検索式	件数
#1	"Ovarian Neoplasms/therapy"[Majr]	17,126
#2	(ovarian cancer*[TI] OR ovarian neoplasm*[TI] OR ovarian tumo*[TI] OR ovarian carcinoma*[TI] OR ovarian germ cell tumo*[TI] OR ovarian borderline malignan*[TI] OR low malignant potential*[TI] OR borderline tumo*[TI]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR surgery[TIAB] OR surgical*[TIAB] OR treatment*[TIAB] OR operati*[TIAB]) NOT medline[SB]	1,793
#3	(#1 OR #2) AND (English[LA] OR Japanese[LA])	16,416
#4	"Fertility"[Mesh] OR "Fertility Preservation"[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB]	37,317
#5	#3 AND #4	347
#6	conservative surg*[TIAB] OR conservative treatment*[TIAB] OR conservative management*[TIAB] OR conservative operation*[TIAB] OR treated conservativel*[TIAB]	46,448
#7	#3 AND #6	321
#8	childbearing age*[TIAB] OR reproductive age*[TIAB] OR young wom*[TIAB] OR young patient*[TIAB] OR adolescent girl*[TIAB] OR adolescen*[TI]	181,252

No.	検索式	件数
#9	#3 AND #8	365
#10	#5 OR #7 OR #9	717
#11	#10 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	199
#12	#10 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB])) NOT #11	31
#13	#10 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB])) NOT (#11 OR #12)	207

CQ6 妊孕性温存療法後の妊娠サポートはどうすべきか？

PubMed

検索日：2016 年 5 月 20 日（金）

No.	検索式	件数
#01	"Ovarian Neoplasms/therapy"[Majr]	17,306
#02	(ovarian cancer*[TI] OR ovarian neoplasm*[TI] OR ovarian tumo*[TI] OR ovarian carcinoma*[TI] OR ovarian germ cell tumo*[TI] OR ovarian borderline malignan*[TI] OR low malignant potential*[TI] OR borderline tumo*[TI] OR ovarian clear cell adenocarcinoma*[TI] OR (ovary[TI] AND clear cell carcinoma*[TI])) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR hysterectom*[TIAB])	18,695
#03	"Uterine Cervical Neoplasms/therapy"[Majr]	18,909
#04	(cervical cancer*[TI] OR cervical neoplasm*[TI] OR cervical carcinoma*[TI]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR hysterectom*[TIAB])	9,526
#05	"Endometrial Neoplasms/therapy"[Majr]	3,569
#06	(endometrial cancer*[TI] OR endometrial carcinoma*[TI] OR endometrial adenocarcinoma*[TI]) AND (cancer[TIAB] OR neoplasm*[TIAB] OR carcinoma*[TIAB]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR hysterectom*[TIAB])	6,238
#07	(#1 OR #2 OR #3 OR #4 OR #5 OR #6) AND (English[LA] OR Japanese[LA])	48,822
#08	"Fertility Preservation"[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR conservative surg*[TIAB] OR conservative treatment*[TIAB] OR conservative management*[TIAB] OR conservative operation*[TIAB] OR treated conservative*[TIAB]	50,242
#09	#7 AND #8	1,261
#10	"Conization"[Mesh] OR conization*[TIAB] OR "Trachelectomy"[Mesh] OR trachelectom*[TIAB]	2,549
#11	(#3 OR #4) AND #10 AND (English[LA] OR Japanese[LA])	933
#12	"Medroxyprogesterone Acetate"[Mesh] OR medroxyprogesterone acetate*[TIAB]	6,660
#13	(#5 OR #6) AND #12 AND (English[LA] OR Japanese[LA])	212
#14	"Fertility"[Mesh] OR "Infertility, Female/therapy"[Mesh] OR "Neoplasm Recurrence, Local"[Mesh] OR recurrence*[TI] OR "Pregnancy"[Mesh] OR "Pregnancy Outcome"[Mesh] OR pregnanc*[TI] OR "Reproductive Techniques, Assisted"[Mesh] OR reproductive technique*[TIAB] OR reproductive technolog*[TIAB] OR reproductive outcome*[TIAB] OR reproductive age*[TIAB] OR reproductive medicine*[TIAB] OR reproductive function*[TIAB] OR reproductive safet*[TIAB] OR reproduction*[TIAB] OR "Young Adult"[Mesh] OR young women*[TIAB] OR young patient*[TI] OR girl*[TI]	1,524,084
#15	(#9 OR #11 OR #13) AND #14	1,195
#16	#15 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI])	36
#17	#15 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	61
#18	#17 NOT #16	60

乳 腺

CQ1 どのような乳がん患者が妊孕性温存療法の適応となるか？

PubMed

検索日：2017 年 1 月 28 日（土）

No.	検索式	件数
#01	"Neoplasms/therapy"[Majr] OR ((cancer*[TI] OR neoplasm*[TI] OR carcinoma*[TI] OR adenocarcinoma*[TI]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR radiotherapy[TIAB] OR radiation[TIAB] OR chemotherap*[TIAB] OR pharmacotherap*[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR radiochemo*[TIAB] OR chemoradio*[TIAB]) NOT medline[SB])	897,287

No.	検索式	件数
#02	"Fertility"[Mesh] OR "Fertility Preservation"[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR fertility conserv*[TIAB]	38,908
#03	"Pregnancy"[Mesh] OR "Pregnancy Outcome"[Mesh] OR "Pregnancy Rate"[Mesh] OR (pregnan*[TIAB] NOT medline[SB])	843,687
#04	#1 AND (#2 OR #3)	11,810
#05	#4 AND (JAPANESE[LA] OR ENGLISH[LA])	9,522
#06	#5 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI])	323
#07	"Breast Neoplasms/therapy"[Mesh] OR ((breast[TIAB] OR mamma*[TIAB]) AND (cancer*[TIAB] OR neoplasm*[TIAB] OR carcinoma*[TIAB] OR adenocarcinoma*[TIAB]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR radiotherapy[TIAB] OR radiation[TIAB] OR chemotherap*[TIAB] OR pharmacotherap*[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR radiochemo*[TIAB] OR chemoradio*[TIAB]) NOT medline[SB])	129,863
#08	#7 AND (#2 OR #3)	1,911
#09	#8 AND (JAPANESE[LA] OR ENGLISH[LA])	1,613
#10	#9 AND ("Randomized Controlled Trial"[PT] OR "Randomized Controlled Trials as Topic"[MH] OR (random*[TIAB] NOT medline[SB]))	52
#11	#9 AND ("Clinical Study"[PT] OR "Clinical Studies as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB] OR observational stud*[TIAB]) NOT medline[SB]))	99
#12	#9 AND ("Epidemiologic Studies"[Mesh] OR "Comparative Study"[PT] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB] OR follow-up stud*[TIAB] OR case control*[TIAB]) NOT medline[SB]))	303
#13	(#10 OR #11 OR #12) NOT #6	354
#14	#9 AND ("Prognosis"[Mesh] OR prognos*[TI])	426
#15	#14 NOT (#6 OR #13)	274

CQ2 乳がん患者が妊孕性温存を希望した場合、化学療法開始遅延は容認されるか？

PubMed

検索日：2016年7月9日（土）

No.	検索式	件数
#01	"Breast Neoplasms/mortality"[Majr] OR ((breast[TI] OR mamma*[TI]) AND (cancer*[TI] OR neoplasm*[TI] OR carcinoma*[TI] OR adenocarcinoma*[TI]) AND (mortalit*[TI] OR surviv*[TI]) NOT medline[SB])	6,146
#02	#1 AND delay*[TIAB]	131
#03	#2 AND (JAPANESE[LA] OR ENGLISH[LA])	127
#04	#3 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI])	6
#05	#3 AND (Review[PT] OR review[TI] OR overview[TI])	18
#06	#4 OR #5	20
#07	"Breast Neoplasms/therapy"[Mesh] OR ((breast[TIAB] OR mamma*[TIAB]) AND (cancer*[TIAB] OR neoplasm*[TIAB] OR carcinoma*[TIAB] OR adenocarcinoma*[TIAB]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR radiotherapy[TIAB] OR radiation[TIAB] OR chemotherap*[TIAB] OR pharmacotherap*[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR radiochemo*[TIAB] OR chemoradio*[TIAB]) NOT medline[SB])	125,029
#08	#1 AND #7	3,020
#09	#8 AND ("Chemotherapy, Adjuvant"[Mesh] OR adjuvant chemotherapy*[TIAB])	401
#10	#9 AND ("Survival Analysis"[Mesh] OR "Survival Rate"[Mesh] OR surviv*[TI])	357
#11	#10 AND (JAPANESE[LA] OR ENGLISH[LA])	343
#12	#11 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	108
#13	#12 NOT #6	108
#14	#11 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	181
#15	#14 NOT (#6 OR #12)	133

CQ3 乳がん患者が妊娠を希望した場合、予後の観点からは、治療終了後いつから妊娠可能となるのか？

PubMed

検索日：2016年7月10日（日）

No.	検索式	件数
#01	"Breast Neoplasms/therapy"[Majr] OR ((breast[TI] OR mamma*[TI]) AND (cancer*[TI] OR neoplasm*[TI] OR carcinoma*[TI] OR adenocarcinoma*[TI]) AND (therapy[TI] OR therapeutic*[TI] OR treatment[TI] OR chemotherap*[TI] OR pharmacotherap*[TI] OR radiochemo*[TI] OR chemoradio*[TI]) NOT medline[SB])	73,545

No.	検索式	件数
#02	"Fertility"[Mesh] OR "Fertility Preservation"[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR fertility conserv*[TIAB]	37,932
#03	"Pregnancy"[Mesh] OR "Pregnancy Outcome"[Mesh] OR "Pregnancy Rate"[Mesh] OR (pregnan*[TIAB] NOT medline[SB])	828,282
#04	#1 AND (#2 OR #3)	948
#05	#4 AND (JAPANESE[LA] OR ENGLISH[LA])	786
#06	#5 AND ("Trastuzumab"[Mesh] OR trastuzumab*[TIAB] OR chemotherap*[TIAB] OR endocrine therap*[TIAB])	297
#07	#6 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI])	16
#08	#6 AND (Review[PT] OR review[TI] OR overview[TI])	118
#09	#8 NOT #7	107
#10	#6 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	30
#11	#6 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	53
#12	(#10 OR #11) NOT (#7 OR #9)	61

CQ4 乳がん患者が妊娠を希望した場合、催奇形性など薬物治療や放射線治療による安全性の観点からは、治療終了後いつから妊娠可能となるか？

PubMed

検索日：2016年7月11日（月）

No.	検索式	件数
#01	"Breast Neoplasms/therapy"[Majr] OR ((breast[TI] OR mamma*[TI]) AND (cancer*[TI] OR neoplasm*[TI] OR carcinoma*[TI] OR adenocarcinoma*[TI]) AND (therapy[TI] OR therapeutic*[TI] OR treatment[TI] OR chemotherap*[TI] OR pharmacotherap*[TI] OR radiochemo*[TI] OR chemoradio*[TI]) NOT medline[SB])	74,272
#02	"Fertility"[Mesh] OR "Fertility Preservation"[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR fertility conserv*[TIAB]	37,932
#03	"Pregnancy"[Mesh] OR "Pregnancy Outcome"[Mesh] OR "Pregnancy Rate"[Mesh] OR (pregnan*[TIAB] NOT medline[SB])	828,324
#04	#1 AND (#2 OR #3)	950
#05	#4 AND (JAPANESE[LA] OR ENGLISH[LA])	788
#06	#5 AND ("Trastuzumab"[Mesh] OR trastuzumab*[TIAB] OR chemotherap*[TIAB] OR endocrine therap*[TIAB])	31
#07	#6 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI])	264
#08	#6 AND (Review[PT] OR review[TI] OR overview[TI])	143
#09	#8 NOT #7	52
#10	#6 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	38
#11	#6 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	137
#12	(#10 OR #11) NOT (#7 OR #9)	101

CQ5 乳児希望を有する乳がん患者に勧められる妊孕性温存療法にはどのようなものがあるか？

PubMed

検索日：2016年7月11日（月）

No.	検索式	件数
#01	"Breast Neoplasms/therapy"[Majr] OR ((breast[TI] OR mamma*[TI]) AND (cancer*[TI] OR neoplasm*[TI] OR carcinoma*[TI] OR adenocarcinoma*[TI]) AND (therapy[TI] OR therapeutic*[TI] OR treatment[TI] OR chemotherap*[TI] OR pharmacotherap*[TI] OR radiochemo*[TI] OR chemoradio*[TI]) NOT medline[SB])	74,272
#02	"Fertility"[Mesh] OR "Fertility Preservation"[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR fertility conserv*[TIAB]	37,932
#03	"Pregnancy"[Mesh] OR "Pregnancy Outcome"[Mesh] OR "Pregnancy Rate"[Mesh] OR (pregnan*[TIAB] NOT medline[SB])	828,324
#04	#1 AND (#2 OR #3)	950
#05	#4 AND (JAPANESE[LA] OR ENGLISH[LA])	788
#06	#5 AND ("Trastuzumab"[Mesh] OR trastuzumab*[TIAB] OR chemotherap*[TIAB] OR endocrine therap*[TIAB])	31
#07	#6 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI])	264
#08	#6 AND (Review[PT] OR review[TI] OR overview[TI])	143

No.	検索式	件数
#09	#8 NOT #7	52
#10	#6 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	38
#11	#6 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	137
#12	(#10 OR #11) NOT (#7 OR #9)	101

泌尿器

CQ1 どのような泌尿器がん患者に妊孕性温存療法を説明すべきか？

PubMed

検索日：2016 年 3 月 26 日（土）

No.	検索式	件数
#1	“Urogenital Neoplasms/therapy”[Majr]	128,179
#2	(testicular cancer*[TI] OR testicular neoplasm*[TI] OR testicular tumor*[TI] OR urogenital cancer*[TI] OR urogenital neoplasm*[TI] OR urogenital tumor*[TI]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR chemotherapy*[TIAB] OR drug therap*[TIAB] OR pharmacotherp*[TIAB] OR surgery[TIAB] OR surgical*[TIAB] OR treatment*[TIAB] OR operati*[TIAB] OR orchiectom*[TIAB]) NOT medline[SB]	150
#3	(#1 OR #2) AND (English[LA] OR Japanese[LA])	107,187
#4	“Fertility Preservation”[Mesh] OR fertility preservation*[TI]	1,393
#5	#3 AND #4	225
#6	#5 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	84
#7	#5 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	4
#8	#5 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	85
#9	(#7 OR #8) NOT #6	79
#10	(“Urogenital Neoplasms”[Majr] OR ((testicular cancer*[TI] OR testicular neoplasm*[TI] OR testicular tumor*[TI] OR urogenital cancer*[TI] OR urogenital neoplasm*[TI] OR urogenital tumor*[TI]) AND medline[SB])) AND (English[LA] OR Japanese[LA])	302,101
#11	#10 AND (“Infertility, Male”[Mesh] OR (infertilit*[TIAB] NOT medline[SB]))	394
#12	#10 AND (“Sperm Banks”[Mesh] OR “Semen Preservation”[Mesh] OR sperm bank*[TIAB])	79
#13	#10 AND (“Cryopreservation”[Mesh] OR (cryopreservation*[TIAB] NOT medline[SB]))	189
#14	#11 OR #12 OR #13	571
#15	#14 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	100
#16	#14 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	15
#17	#14 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR multicenter stud*[TIAB]) NOT medline[SB]))	104
#18	(#15 OR #16 OR #17) NOT (#6 OR #9)	195

医中誌

検索日：2016 年 3 月 26 日（土）

No.	検索式	件数
#1	泌尿生殖器腫瘍/TH and (SH= 治療, 薬物療法, 外科的療法, 食事療法, 精神療法, 放射線療法)	108,827
#2	(泌尿生殖器腫瘍/AL or 泌尿生殖器癌/AL or 精巣腫瘍/AL or 精巣癌/AL or 睪丸腫瘍/AL) and (療法/AL or 治療/AL or 手術/AL or 外科/AL or 切除/AL)	6,406
#3	#1 or #2	111,062
#4	#3 and (妊孕性温存/TH or 妊孕性温存/AL)	771
#5	#4 and ((PT= 症例報告除く) AND (PT= 原著論文, 総説))	98
#6	#3 and (不妊症/TH or 不妊/TI)	709
#7	#3 and (精液保存/TH or 精子/TH or 精子銀行/TH or 精子/AL or 精液/AL)	271
#8	#3 and (凍結保存/TH or 凍結保存/AL)	97
#9	(#6 or #7 or #8) not #5	881
#10	#9 and ((PT= 症例報告除く) AND (PT= 原著論文, 総説))	123

CQ2 泌尿器がん患者が治療開始に先立ち妊孕性温存を希望した場合、妊孕性温存療法に伴う治療開始遅延は容認されるか？

PubMed

検索日：2016 年 3 月 22 日（火）

No.	検索式	件数
#10	“Testicular Neoplasms”[Majr]	19,577
#11	testicular cancer*[TI] OR testicular neoplasm*[TI]	2,862
#12	“Chorionic Gonadotropin”[Mesh] OR chorionic gonadotropin*[TIAB]	34,399
#13	“Sperm Count”[Mesh] OR “Spermatozoa”[Mesh]	63,372
#14	sperm[TIAB] OR sperms[TIAB] OR spermatozoa*[TIAB]	77,766
#15	(#10 OR #11) AND #12 AND (#13 OR #14)	27
#16	#15 AND (English[LA] OR Japanese[LA])	23

医中誌

検索日：2016 年 3 月 23 日（水）

No.	検索式	件数
#1	精巣腫瘍/TH and (SH= 診断, 画像診断, X 線診断, 放射性核種診断, 超音波診断, 治療, 薬物療法, 外科的療法, 食事療法, 精神療法, 放射線療法)	4,306
#2	(精巣腫瘍/AL or 精巣癌/AL or 睪丸腫瘍/AL) and (療法/AL or 治療/AL or 手術/AL or 外科/AL or 切除/AL or 診断/AL)	6,150
#3	時間因子/TH or 時間管理/TH or 遅延/AL or 延期/AL or タイミング/AL	49,877
#4	(#1 or #2) and #3	14
#5	#4 and (CK= ヒト)	10
#6	精巣腫瘍/TH	8,531
#7	精巣腫瘍/AL or 精巣癌/AL or 睪丸腫瘍/AL	8,893
#8	“Chorionic Gonadotropin”/TH or “Chorionic Gonadotropin”/AL or 絨毛性性腺刺激ホルモン/AL or 絨毛性ゴナドトロピン/AL	5,125
#9	精子/TH or 精子計数/TH or 精子/AL	16,700
#10	(#6 or #7) and #8 and #9	5
#11	泌尿生殖器腫瘍/TH and (SH= 診断, 画像診断, X 線診断, 放射性核種診断, 超音波診断, 治療, 薬物療法, 外科的療法, 食事療法, 精神療法, 放射線療法)	138,101
#12	(泌尿生殖器腫瘍/AL or 生殖器腫瘍/AL or 泌尿器腫瘍/AL or 前立腺腫瘍/AL or 腎臓腫瘍/AL or 腎細胞癌/AL or 尿管腫瘍/AL or 尿道腫瘍/AL or 膀胱腫瘍/AL or 精巣腫瘍/AL or 子宮腫瘍/AL or 子宮頸部腫瘍/AL or 子宮内膜腫瘍/AL or 腔腫瘍/AL or 卵巣腫瘍/AL or 卵管腫瘍/AL or 陰茎腫瘍/AL or 陰嚢腫瘍/AL or 泌尿生殖器癌/AL or 生殖器癌/AL or 泌尿器癌/AL or 前立腺癌/AL or 腎臓癌/AL or 尿管癌/AL or 尿道癌/AL or 膀胱癌/AL or 精巣癌/AL or 睪丸腫瘍/AL or 子宮癌/AL or 子宮頸部癌/AL or 子宮内膜癌/AL or 腔癌/AL or 卵巣癌/AL or 卵管癌/AL or 陰茎癌/AL or 陰嚢癌/AL) and (療法/AL or 治療/AL or 手術/AL or 外科/AL or 切除/AL or 診断/AL)	172,353
#13	時間因子/TH or 時間管理/TH or 遅延/TI or 延期/TI or タイミング/TI	27,548
#14	(#11 or #12) and #13	297
#15	#14 and (PT= 原著論文, 総説 CK= ヒト)	140
#16	#15 not (#5 or #10)	139
#17	泌尿生殖器腫瘍/TH	235,199
#18	泌尿生殖器腫瘍/AL or 生殖器腫瘍/AL or 泌尿器腫瘍/AL or 前立腺腫瘍/AL or 腎臓腫瘍/AL or 腎細胞癌/AL or 尿管腫瘍/AL or 尿道腫瘍/AL or 膀胱腫瘍/AL or 精巣腫瘍/AL or 子宮腫瘍/AL or 子宮頸部腫瘍/AL or 子宮内膜腫瘍/AL or 腔腫瘍/AL or 卵巣腫瘍/AL or 卵管腫瘍/AL or 陰茎腫瘍/AL or 陰嚢腫瘍/AL or 泌尿生殖器癌/AL or 生殖器癌/AL or 泌尿器癌/AL or 前立腺癌/AL or 腎臓癌/AL or 尿管癌/AL or 尿道癌/AL or 膀胱癌/AL or 精巣癌/AL or 睪丸腫瘍/AL or 子宮癌/AL or 子宮頸部癌/AL or 子宮内膜癌/AL or 腔癌/AL or 卵巣癌/AL or 卵管癌/AL or 陰茎癌/AL or 陰嚢癌/AL	230,743
#19	(#17 or #18) and #8 and #9	5
#20	#19 not (#5 or #10 or #16)	0

CQ3 泌尿器がん患者が挙児を希望した場合、治療終了後いつから挙児または妊娠可能となるか？

PubMed

検索日：2016 年 3 月 23 日（水）

No.	検索式	件数
#1	“Testicular Neoplasms/therapy”[Mesh]	10,100
#2	(testicular cancer*[TI] OR testicular neoplasm*[TI]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR chemotherap*[TIAB] OR drug therap*[TIAB] OR pharmacotherp*[TIAB] OR surgery[TIAB] OR surgical*[TIAB] OR treatment*[TIAB] OR operati*[TIAB]) AND medline[SB]	1,459
#3	#1 OR #2	10,354
#4	#3 AND (“Fertility Preservation”[Mesh] OR fertility preservation*[TIAB])	24

No.	検索式	件数
#5	#3 AND (((“Semen Preservation”[Mesh] OR “Spermatozoa”[Mesh] OR “Sperm Banks”[Mesh]) AND “Cryopreservation”[Mesh]) OR sperm cryopreservation*[TIAB])	74
#6	#3 AND (“Semen Analysis”[Mesh] OR semen analysis*[TIAB] OR semen qualit*[TIAB])	161
#7	#3 AND (“Sperm Retrieval”[Mesh] OR sperm retrieval*[TIAB] OR sperm extraction*[TIAB])	27
#8	#3 AND (“DNA”[Mesh] OR DNA[TIAB] OR deoxyribonucleic acid*[TIAB]) AND (“Spermatozoa”[Mesh] OR sperm[TIAB] OR sperma*[TIAB] OR sperms[TIAB])	39
#9	#3 AND (“Fertilization in Vitro”[Mesh] OR “fertilization in vitro”[TIAB] OR “in vitro fertilization”[TIAB] OR intracytoplasmic sperm injection*[TIAB])	51
#10	#3 AND (“Paternity”[Mesh] OR paternit*[TIAB])	36
#11	#4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10	290
#12	“Neoplasms/therapy”[Majr]	785,173
#13	“Fertility Preservation”[Mesh] OR fertility preservation*[TIAB] OR ((“Semen Preservation”[Mesh] OR “Spermatozoa”[Mesh] OR “Sperm Banks”[Mesh]) AND “Cryopreservation”[Mesh]) OR sperm cryopreservation*[TIAB] OR “Semen Analysis”[Mesh] OR semen analysis*[TIAB] OR semen qualit*[TIAB] OR “Sperm Retrieval”[Mesh] OR sperm retrieval*[TIAB] OR sperm extraction*[TIAB] OR ((“DNA”[Mesh] OR DNA[TIAB] OR deoxyribonucleic acid*[TIAB]) AND (“Spermatozoa”[Mesh] OR sperm[TIAB] OR sperma*[TIAB] OR sperms[TIAB])) OR “Fertilization in Vitro”[Mesh] OR “fertilization in vitro”[TIAB] OR “in vitro fertilization”[TIAB] OR intracytoplasmic sperm injection*[TIAB] OR “Paternity”[Mesh] OR paternit*[TIAB]	77,843
#14	“Infertility, Male”[Mesh]	24,027
#15	#12 AND #13 AND #14	197
#16	“Neoplasms/therapy”[Mesh]	1,180,137
#17	“Paternal Exposure”[Mesh]	835
#18	“Pregnancy”[Mesh]	780,987
#19	#16 AND #17 AND #18	9
#20	#11 OR #15 OR #19	419
#21	#20 AND (English[LA] OR Japanese[LA])	363
#22	#21 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	75

医中誌

検索日：2016 年 3 月 23 日（水）

No.	検索式	件数
#1	精巣腫瘍/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	3,746
#2	(精巣腫瘍/AL or 精巣癌/AL or 睪丸腫瘍/AL) and (療法/AL or 治療/AL or 手術/AL or 外科/AL or 切除/AL)	5,586
#3	#1 or #2	5,754
#4	#3 and (妊孕性温存/TH or 妊孕性温存/AL)	16
#5	#3 and (((精液保存/TH or 精子/TH or 精子銀行/TH) and 凍結保存/TH) or 精子凍結保存/AL)	51
#6	#3 and (精液検査/TH or 精液検査/AL or 精液の質/AL)	20
#7	#3 and (精子採取/TH or 精子採取/AL or 精子抽出/AL)	18
#8	#3 and ((DNA/TH or DNA/AL or デオキシリボ核酸/AL) and (精子/TH or 精子/AL))	5
#9	#3 and (体外受精/TH or 体外受精/AL or 卵細胞質内精子注入法/TH or 卵細胞質内精子注入/AL)	25
#10	#3 and 父性/AL	0
#11	#4 or #5 or #6 or #7 or #8 or #9 or #10	104
#12	腫瘍/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	806,208
#13	妊孕性温存/TH or 妊孕性温存/AL or ((精液保存/TH or 精子/TH or 精子銀行/TH) and 凍結保存/TH) or 精子凍結保存/AL or 精液検査/TH or 精液検査/AL or 精液の質/AL or 精子採取/TH or 精子採取/AL or 精子抽出/AL or ((DNA/TH or DNA/AL or デオキシリボ核酸/AL) and (精子/TH or 精子/AL)) or 体外受精/TH or 体外受精/AL or 卵細胞質内精子注入法/TH or 卵細胞質内精子注入/AL or 父性/AL	17,557
#14	不妊症-男性/TH	5,574
#15	#12 and #13 and #14	53
#16	父性曝露/TH	65
#17	妊娠/TH	51,424
#18	#12 and #16 and #17	0
#19	#11 or #15	126
#20	#19 and (LA= 日本語, 英語)	126
#21	#20 and (PT= 原著論文, 総説)	48

CQ4 拳児を希望する泌尿器がん患者に勧められる妊孕性温存療法にはどのようなものがあるか？

PubMed

検索日：2016 年 3 月 25 日（金）

No.	検索式	件数
#1	“Testicular Neoplasms/therapy”[Majr]	5,668
#2	(testicular cancer*[TI] OR testicular neoplasm*[TI] OR testicular tumor*[TI]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR chemotherap*[TIAB] OR drug therap*[TIAB] OR pharmacotherp*[TIAB] OR surgery[TIAB] OR surgical*[TIAB] OR treatment*[TIAB] OR operati*[TIAB] OR orchiectom*[TIAB]) AND medline[SB]	2,534
#3	#1 OR #2	6,738
#4	#3 AND (“Infertility, Male”[Mesh] OR infertilit*[TI])	207
#5	#3 AND (“Sperm Banks”[Mesh] OR “Semen Preservation”[Mesh] OR sperm bank*[TIAB])	56
#6	#3 AND (“Cryopreservation”[Mesh] OR sperm cryopreservation*[TIAB])	55
#7	#3 AND (“Sperm Retrieval”[Mesh] OR sperm retrieval*[TIAB] OR sperm extraction*[TIAB])	22
#8	#3 AND (“Fertilization in Vitro”[Mesh] OR “fertilization in vitro”[TIAB] OR “in vitro fertilization”[TIAB] OR intracytoplasmic sperm injection*[TIAB])	25
#9	#3 AND (“Orchiectomy”[Mesh] AND (partial*[TIAB] OR “Organ Sparing Treatments”[Mesh])) OR partial orchiectom*[TIAB] OR testis spar*[TIAB])	105
#10	#4 OR #5 OR #6 OR #7 OR #8 OR #9	346
#11	#10 AND (English[LA] OR Japanese[LA])	278
#12	#11 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	61

医中誌

検索日：2016 年 3 月 25 日（金）

No.	検索式	件数
#1	精巣腫瘍/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	3,746
#2	(精巣腫瘍/AL or 精巣癌/AL or 睪丸腫瘍/AL) and (療法/AL or 治療/AL or 手術/AL or 外科/AL or 切除/AL)	5,586
#3	#1 or #2	5,754
#4	#3 and (不妊症-男性/TH or 不妊/AL)	176
#5	#3 and (精液保存/TH or 精子銀行/TH or 精液保存/AL or 精子銀行/AL or 精子バンク/AL)	38
#6	#3 and (凍結保存/TH or 凍結保存/AL)	57
#7	#3 and (精子採取/TH or 精子採取/AL or 精子抽出/AL)	18
#8	#3 and (体外受精/TH or 体外受精/AL or 卵細胞質内精子注入法/TH or 卵細胞質内精子注入/AL)	25
#9	#3 and (((精巣摘出術/TH or 精巣摘出術/AL) and (部分/AL or 温存/AL)) or 精巣温存/AL or 精巣部分摘/AL)	85
#10	#4 or #5 or #6 or #7 or #8 or #9	285
#11	#10 and (PT= 総説)	4
#12	#10 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	4
#13	#10 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	10
#14	#11 or #12 or #13	16
#15	#10 and (PT= 原著論文)	112
#16	#15 not #14	104
#17	精巣腫瘍/TH or 精巣腫瘍/TI or 精巣癌/TI or 睪丸腫瘍/TI	9,068
#18	不妊症-男性/TH or 不妊/AL or 精液保存/TH or 精子銀行/TH or 精液保存/AL or 精子銀行/AL or 精子バンク/AL or 凍結保存/TH or 凍結保存/AL or 精子採取/TH or 精子採取/AL or 精子抽出/AL or 体外受精/TH or 体外受精/AL or 卵細胞質内精子注入法/TH or 卵細胞質内精子注入/AL or ((精巣摘出術/TH or 精巣摘出/AL) and (部分/AL or 温存/AL)) or 精巣部分摘/AL or 精巣温存/AL	48,881
#19	#17 and #18	338
#20	#19 and (PT= 総説)	4
#21	#19 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	5
#22	#19 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	10
#23	(#20 or #21 or #22) not (#14 or #16)	0

小児

CQ1 どのような小児がん患者が妊孕性温存治療の適応となるか？

PubMed

検索日：2016 年 6 月 21 日（火）

No.	検索式	件数
#1	“Neoplasms”[Mesh] OR cancer[TIAB]	3,101,384
#2	“Adolescent”[Mesh] OR “Child”[Mesh] OR “Young Adult”[Mesh] OR adolescent*[TI] OR child*[TI] OR girl*[TI] OR young[TI] OR AYA[TI] OR young people*[TIAB] OR young patient*[TIAB] OR young girl*[TIAB] OR young women*[TIAB] OR young cancer patient*[TIAB] OR childhood cancer patient*[TIAB] OR cancer survivor*[TIAB] OR pediatric cancer*[TIAB] OR premenopausal women*[TIAB] OR “Age Factors”[Mesh]	3,258,916
#3	#1 AND #2	415,603
#4	#3 AND (English[LA] OR Japanese[LA])	340,540
#5	#4 AND (“Fertility Preservation”[Mesh] OR fertility preservation*[TIAB])	886
#6	#4 AND (((“Semen Preservation”[Mesh] OR “Spermatozoa”[Mesh] OR “Sperm Banks”[Mesh] OR “Ovum”[Mesh] OR “Gonads”[Mesh] OR “Germ Cells”[Mesh] OR “Ovary”[Mesh] OR “Oocytes”[Mesh]) AND “Cryopreservation”[Mesh]) OR sperm cryopreserv*[TIAB] OR testicular tissue cryopreserv*[TIAB] OR oocyte cryopreserv*[TIAB] OR ovarian tissue cryopreserv*[TIAB] OR ovarian cryopreserv*[TIAB] OR cryopreserved ovarian tissue*[TIAB])	520
#7	#4 AND (ovarian transposition*[TIAB] OR ovarian movement*[TIAB])	73
#8	#4 AND (testicle transposition*[TIAB] OR testicular transposition*[TIAB])	3
#9	#4 AND (gonadal shield*[TIAB] OR (“Gonads”[Mesh] AND (“Radiation Protection”[Mesh] OR “Protective Devices”[Mesh])) OR (“Gonads/drug effects”[Mesh] AND “Antineoplastic Agents/adverse effects”[Mesh]) OR (“Gonads/radiation effects”[Mesh] AND “Radiotherapy/adverse effects”[Mesh]) OR (“Primary Ovarian Insufficiency/chemically induced”[Mesh] AND “Antineoplastic Combined Chemotherapy Protocols/adverse effects”[Mesh]))	296
#10	#4 AND LHRH analog*[TIAB]	27
#11	#5 OR #6 OR #7 OR #8 OR #9 OR #10	1,408
#12	#11 AND (“Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI])	52
#13	#11 AND (Review[PT] OR review[TI] OR overview[TI])	441
#14	#13 AND (“Fertility Preservation”[Majr] OR fertility preservation*[TI])	189
#15	#14 NOT #12	175
#16	#11 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	82
#17	#11 AND (“Epidemiologic Studies”[Mesh] OR “Comparative Study”[PT] OR “Multicenter Study”[PT] OR “Validation Studies”[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB] OR follow-up stud*[TIAB]) NOT medline[SB]))	374
#18	#16 OR (#17 AND (“Fertility Preservation”[Majr] OR fertility preservation*[TI] OR evidence[TI] OR “Childhood Cancer Survivor Study”[TI]))	220
#19	#11 AND committee opinion*[TI]	4
#20	(#18 OR #19) NOT (#12 OR #15)	198

医中誌

検索日：2016 年 6 月 21 日（火）

No.	検索式	件数
#1	腫瘍/TH or 腫瘍/TI or 癌/TI or がん/TI	1,953,250
#2	小児/TH or 青年/TH or 小児/TA or 青年/TI or 幼児/TI or 子供/TI or 子ども/TI or 児童/TI or ヤングアダルト/TI or がん経験者/TA or がんサバイバー/TA	354,592
#3	#1 and #2	33,088
#4	#3 and (妊孕性温存/TH or 妊孕性温存/TA)	50
#5	#3 and (((精液保存/TH or 精子/TH or 精子銀行/TH or 卵/TH) and 凍結保存/TH) or 精子凍結保存/TA or 精巣凍結保存/TA or 精巣組織凍結保存/TA or 卵子凍結保存/TA or 卵巣凍結保存/TA or 卵巣組織凍結保存/TA)	12
#6	#3 and (卵巣移動/TA or 卵巣位置移動/TA or 精巣移動/TA)	2
#7	#3 and ((性腺/TH and (放射線防護/TH or 防護具/TH)) or 性腺遮蔽/TA)	1
#8	#3 and LHRH アナログ/TA	1
#9	#4 or #5 or #6 or #7 or #8	58
#10	#9 and (PT= 総説)	0
#11	#9 and (RD= メタアナリシス, ランダム化比較試験, 準ランダム化比較試験, 比較研究, 診療ガイドライン)	1
#12	#9 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH or ガイドライン/TH)	5
#13	#11 or #12	6

No.	検索式	件数
#14	#9 and ((PT= 症例報告除く) AND (PT= 原著論文))	8
#15	#14 not #13	4
#16	#9 not (#13 or #15)	48

CQ2 小児がん患者の妊孕性温存療法にはどのような方法があるか？

PubMed

検索日：2016 年 6 月 17 日（金）

No.	検索式	件数
#1	"Neoplasms"[Mesh] OR cancer[TIAB]	3,099,757
#2	"Adolescent"[Mesh] OR "Child"[Mesh] OR "Young Adult"[Mesh] OR adolescent*[TI] OR child*[TI] OR girl*[TI] OR young[TI] OR AYA[TI] OR young people*[TIAB] OR young patient*[TIAB] OR young girl*[TIAB] OR young women*[TIAB] OR young cancer patient*[TIAB] OR childhood cancer patient*[TIAB] OR childhood cancer survivor*[TIAB] OR pediatric cancer*[TIAB] OR premenopausal women*[TIAB]	3,009,486
#3	#1 AND #2	370,136
#4	#3 AND (English[LA] OR Japanese[LA])	301,399
#5	#4 AND ("Fertility Preservation"[Mesh] OR fertility preservation*[TIAB])	793
#6	#4 AND (((("Semen Preservation"[Mesh] OR "Spermatozoa"[Mesh] OR "Sperm Banks"[Mesh] OR "Ovum"[Mesh] OR "Gonads"[Mesh] OR "Germ Cells"[Mesh] OR "Ovary"[Mesh] OR "Oocytes"[Mesh]) AND "Cryopreservation"[Mesh]) OR sperm cryopreserv*[TIAB] OR testicular tissue cryopreserv*[TIAB] OR oocyte cryopreserv*[TIAB] OR ovarian tissue cryopreserv*[TIAB] OR ovarian cryopreserv*[TIAB] OR cryopreserved ovarian tissue*[TIAB])	459
#7	#4 AND (ovarian transposition*[TIAB] OR ovarian movement*[TIAB])	66
#8	#4 AND (testicle transposition*[TIAB] OR testicular transposition*[TIAB])	3
#9	#4 AND (gonadal shield*[TIAB] OR ("Gonads"[Mesh] AND ("Radiation Protection"[Mesh] OR "Protective Devices"[Mesh])) OR ("Gonads/drug effects"[Mesh] AND "Antineoplastic Agents/adverse effects"[Mesh]) OR ("Gonads/radiation effects"[Mesh] AND "Radiotherapy/adverse effects"[Mesh]) OR ("Primary Ovarian Insufficiency/chemically induced"[Mesh] AND "Antineoplastic Combined Chemotherapy Protocols/adverse effects"[Mesh]))	265
#10	#4 AND LHRH analog*[TIAB]	25
#11	#5 OR #6 OR #7 OR #8 OR #9 OR #10	1,271
#12	#11 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI])	48
#13	#11 AND (Review[PT] OR review[TI] OR overview[TI])	387
#14	#13 AND ("Fertility Preservation"[Majr] OR fertility preservation*[TI])	166
#15	#14 NOT #12	153
#16	#11 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	75
#17	#11 AND ("Epidemiologic Studies"[Mesh] OR "Comparative Study"[PT] OR "Multicenter Study"[PT] OR "Validation Studies"[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB] OR follow-up stud*[TIAB]) NOT medline[SB]))	358
#18	#16 OR (#17 AND ("Fertility Preservation"[Majr] OR fertility preservation*[TI]))	204
#19	#11 AND committee opinion*[TI]	2
#20	(#18 OR #19) NOT (#12 OR #15)	184

1 次スクリーニングにより，和文 13 編，英文 219 編を選択した。

2 次スクリーニングにより，和文 5 編，英文 54 編を選択した。

さらに参考にした二次資料を参考として以下の 16 論文を選択した。

医中誌

検索日：2016 年 6 月 17 日（金）

No.	検索式	件数
#1	腫瘍/TH or 腫瘍/TI or 癌/TI or がん/TI	1,953,250
#2	小児/TH or 青年/TH or 小児/TA or 青年/TI or 幼児/TI or 子供/TI or 子ども/TI or 児童/TI or ヤングアダルト/TI	354,243
#3	#1 and #2	32,740
#4	#3 and (妊孕性温存/TH or 妊孕性温存/TA)	39
#5	#3 and (((精液保存/TH or 精子/TH or 精子銀行/TH or 卵/TH) and 凍結保存/TH) or 精子凍結保存/TA or 精巣凍結保存/TA or 精巣組織凍結保存/TA or 卵子凍結保存/TA or 卵巣凍結保存/TA or 卵巣組織凍結保存/TA)	8
#6	#3 and (卵巣移動/TA or 卵巣位置移動/TA or 精巣移動/TA)	2
#7	#3 and ((性腺/TH and (放射線防護/TH or 防護具/TH)) or 性腺遮蔽/TA)	1
#8	#3 and LHRH アナログ/TA	1

No.	検索式	件数
#9	#4 or #5 or #6 or #7 or #8	47
#10	#9 and (PT= 総説)	0
#11	#9 and (RD= メタアナリシス, ランダム化比較試験, 準ランダム化比較試験, 比較研究, 診療ガイドライン)	1
#12	#9 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH or ガイドライン/TH)	4
#13	#11 or #12	5
#14	#9 and ((PT= 症例報告除く) AND (PT= 原著論文))	8
#15	#14 not #13	4
#16	#9 not (#13 or #15)	38

CQ3 妊孕性温存療法のために、小児がん治療を調整することは可能か？

PubMed

検索日：2016 年 3 月 28 日（月）

No.	検索式	件数
#1	"Neoplasms/therapy"[Majr] OR "Neoplasms/mortality"[Majr]	817,191
#2	"Time-to-Treatment"[Mesh]	1,705
#3	#1 AND #2	169
#4	#3 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	18
#5	#4 AND (English[LA] OR Japanese[LA]) 17 件	17
#6	"Neoplasms/therapy"[Majr] AND ("Child"[Mesh] OR "Adolescent"[Mesh] OR "Young Adult"[Mesh])	100,471
#7	(cancer[TI] OR neoplasm*[TI]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR chemotherap*[TIAB] OR drug therap*[TIAB] OR pharmacotherp*[TIAB] OR surgery[TIAB] OR surgical*[TIAB] OR treatment*[TIAB] OR operati*[TIAB]) AND (child[TIAB] OR children[TIAB] OR pediatric*[TIAB] OR paediatric*[TIAB] OR childhood*[TIAB] OR AYA[TIAB] OR adolescen*[TIAB] OR young adult*[TIAB]) NOT medline[SB]	919
#8	childhood cancer survivor*[TIAB]	1,332
#9	#6 OR #7 OR #8	102,234
#10	#9 AND ("Fertility Preservation"[Mesh] OR fertility preservation*[TIAB])	339
#11	#9 AND ((("Semen Preservation"[Mesh] OR "Spermatozoa"[Mesh] OR "Sperm Banks"[Mesh] OR "Ovum"[Mesh]) AND "Cryopreservation"[Mesh]) OR sperm cryopreservation*[TIAB] OR testicular tissue cryopreservation*[TIAB] OR oocyte cryopreservation*[TIAB] OR ovarian tissue cryopreservation*[TIAB] OR ovarian cryopreservation*[TIAB])	150
#12	#9 AND (ovarian transposition*[TIAB] OR ovarian movement*[TIAB])	29
#13	#9 AND (testicle transposition*[TIAB] OR testicular transposition*[TIAB])	2
#14	#9 AND (("Gonads"[Mesh] AND ("Radiation Protection"[Mesh] OR "Protective Devices"[Mesh])) OR gonadal shield*[TIAB])	26
#15	#9 AND LHRH analog*[TIAB]	5
#16	#9 AND treatment delay*[TIAB]	98
#17	#10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16	544
#18	#17 AND (criteria[TI] OR permission*[TIAB])	2
#19	#17 AND (English[LA] OR Japanese[LA])	485
#20	#19 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR overview[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI]) NOT #5	129
#21	#19 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB])) NOT (#5 OR #20)	51
#22	#19 AND ("Epidemiologic Studies"[Mesh] OR "Comparative Study"[PT] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB] OR follow-up stud*[TIAB]) NOT medline[SB])) NOT (#5 OR #20 OR #21)	153

医中誌

検索日：2016 年 3 月 28 日（月）

No.	検索式	件数
#01	腫瘍/TH and (SH= 治療, 薬物療法, 外科的療法, 食事療法, 精神療法, 放射線療法)	806,208
#02	治療までの期間/TH	473
#03	#1 and #2	29
#04	#3 and (PT= 総説 RD= メタアナリシス, 診療ガイドライン)	0
#05	#1 and (CK= 小児 (6 ~ 12), 青年期 (13 ~ 18))	82

No.	検索式	件数
#06	(腫瘍/TI or 癌/TI or がん/TI) and (療法/TA or 治療/TA or 手術/TA or 外科/TA or 切除/TA)	484,647
#07	#6 and (小児/TA or 子ども/TA or 子供/TA or 児童/TA)	5,607
#08	小児がん経験者/AL or 小児がんサバイバー/AL	298
#09	#5 or #7 or #8	5,916
#10	#9 and (妊孕性温存/TH or 妊孕性温存/AL)	31
#11	#9 and (((精液保存/TH or 精子/TH or 精子銀行/TH or 卵/TH) and 凍結保存/TH) or 精子凍結保存/AL or 精巣凍結保存/AL or 精巣組織凍結保存/AL or 卵子凍結保存/AL or 卵巣凍結保存/AL or 卵巣組織凍結保存/AL)	6
#12	#9 and (卵巣移動/AL or 卵巣位置移動/AL or 精巣移動/AL)	1
#13	#9 and ((性腺/TH and (放射線防護/TH or 防護具/TH)) or 性腺遮蔽/AL)	1
#14	#9 and LHRH アナログ/AL	0
#15	#9 and 治療遅延/AL	0
#16	#10 or #11 or #12 or #13	35
#17	#16 and (基準/TA or 許容/TA)	0
#18	#16 and (PT= 原著論文, 総説)	11

CQ4 小児がん患者の治療後の妊娠・分娩について、どのような情報を提供すべきか？

PubMed

検索日：2016 年 4 月 6 日（水）

No.	検索式	件数
#1	"Neoplasms/therapy"[Majr] AND ("Child"[Mesh] OR "Adolescent"[Mesh] OR "Young Adult"[Mesh])	100,601
#2	(cancer[TI] OR neoplasm*[TI]) AND (therapy[TIAB] OR therapeuti*[TIAB] OR chemotherap*[TIAB] OR drug therap*[TIAB] OR pharmacotherp*[TIAB] OR surgery[TIAB] OR surgical*[TIAB] OR treatment*[TIAB] OR operati*[TIAB] OR radiotherap*[TIAB]) AND (child[TIAB] OR children[TIAB] OR pediatric*[TIAB] OR paediatric*[TIAB] OR childhood*[TIAB] OR AYA[TIAB] OR adolescen*[TIAB] OR young*[TIAB]) NOT medline[SB]	2,028
#3	"Neoplasms"[Majr] AND "Survivors"[Mesh] AND ("Child"[Mesh] OR "Adolescent"[Mesh] OR "Young Adult"[Mesh])	3,275
#4	cancer[TI] AND survivor*[TI] AND (child[TIAB] OR children[TIAB] OR pediatric*[TIAB] OR paediatric*[TIAB] OR childhood*[TIAB] OR AYA[TIAB] OR adolescen*[TIAB] OR young*[TIAB]) NOT medline[SB]	358
#5	#1 OR #2 OR #3 OR #4	1,045,987
#6	#5 AND ("Fertility Preservation"[Mesh] OR fertility preservation*[TIAB])	393
#7	#5 AND (((("Semen Preservation"[Mesh] OR "Spermatozoa"[Mesh] OR "Sperm Banks"[Mesh] OR "Ovum"[Mesh]) AND "Cryopreservation"[Mesh]) OR sperm cryopreservation*[TIAB] OR testicular tissue cryopreservation*[TIAB] OR oocyte cryopreservation*[TIAB] OR ovarian tissue cryopreservation*[TIAB] OR ovarian cryopreservation*[TIAB])	160
#8	#5 AND (ovarian transposition*[TIAB] OR ovarian movement*[TIAB])	34
#9	#5 AND (testicle transposition*[TIAB] OR testicular transposition*[TIAB])	2
#10	#5 AND (("Gonads"[Mesh] AND ("Radiation Protection"[Mesh] OR "Protective Devices"[Mesh])) OR gonadal shield*[TIAB])	27
#11	#5 AND LHRH analog*[TIAB]	6
#12	#6 OR #7 OR #8 OR #9 OR #10 OR #11	509
#13	#12 AND (pregnancy[TIAB] OR "Pregnancy"[Mesh]) AND (after cancer treatment*[TIAB] OR after chemotherap*[TIAB] OR after surg*[TIAB] OR after radiotherap*[TIAB])	15
#14	#12 AND (gonadotoxic*[TIAB] OR gonadal toxicit*[TIAB] OR ((("Ovary/drug effects"[Majr] OR "Testis/drug effects"[Majr]) AND "Antineoplastic Agents/adverse effects"[Majr]) OR ((("Ovary/radiation effects"[Majr] OR "Testis/radiation effects"[Majr]) AND "Radiotherapy/adverse effects"[Majr]))	64
#15	#12 AND (perinatal period*[TIAB] OR peripartum period*[TIAB] OR "Peripartum Period"[Mesh])	0
#16	#12 AND (pregnancy outcome*[TIAB] OR "Pregnancy Outcome"[Mesh])	37
#17	#12 AND (maternal complication*[TIAB] OR pregnancy complication*[TIAB] OR "Pregnancy Complications"[Mesh])	17
#18	#12 AND (fetal comlication*[TIAB] OR "Fetal Diseases"[Mesh])	1
#19	#12 AND birth outcome*[TIAB]	1
#20	#12 AND (genetic disease*[TIAB] OR genetic defect*[TIAB] OR "Genetic Diseases, Inborn"[Mesh])	3
#21	#12 AND (malformation*[TIAB] OR congenital anomal*[TIAB] OR "Congenital Abnormalities"[Mesh] OR congenital abnormalit*[TIAB])	8
#22	#12 AND (spontaneous abortion*[TIAB] OR "Abortion, Spontaneous"[Mesh])	8
#23	#12 AND (stillbirth[TIAB] OR "Stillbirth"[Mesh])	3
#24	#12 AND (neonatal death*[TIAB] OR perinatal death*[TIAB] OR "Perinatal Death"[Mesh])	0

No.	検索式	件数
#25	#12 AND (preterm birth*[TIAB] OR preterm deliver*[TIAB] OR premature birth*[TIAB] OR “Premature Birth”[Mesh])	5
#26	#12 AND (low birth weight*[TIAB] OR “Infant, Low Birth Weight”[Mesh])	5
#27	#12 AND (“small for gestational age”[TIAB] OR “Infant, Small for Gestational Age”[Mesh])	1
#28	#12 AND (teratogenesis[TIAB] OR “Teratogenesis”[Mesh])	0
#29	#12 AND (cerebral pals*[TIAB] OR “Cerebral Palsy”[Mesh])	1
#30	#13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29	130
#31	#30 AND (English[LA] OR Japanese[LA])	107
#32	#31 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	39
#33	#31 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	8
#34	#31 AND (“Epidemiologic Studies”[Mesh] OR “Comparative Study”[PT] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB]) NOT medline[SB]))	38
#35	#32 OR #33 OR #34	76
#36	#5 AND (pregnancy[TIAB] OR “Pregnancy”[Mesh]) AND (after cancer treatment*[TIAB] OR after chemotherap*[TIAB] OR after surg*[TIAB] OR after radiotherap*[TIAB])	99
#37	#5 AND (gonadotoxic*[TI] OR gonadal toxicit*[TI] OR ((“Ovary/drug effects”[Majr] OR “Testis/drug effects”[Majr]) AND “Antineoplastic Agents/adverse effects”[Majr]) OR ((“Ovary/radiation effects”[Majr] OR “Testis/radiation effects”[Majr]) AND “Radiotherapy/adverse effects”[Majr]))	51
#38	#5 AND (perinatal period*[TIAB] OR peripartum period*[TIAB] OR “Peripartum Period”[Mesh])	3
#39	#5 AND (pregnancy outcome*[TI] OR “Pregnancy Outcome”[Majr])	98
#40	#5 AND maternal complication*[TIAB]	3
#41	#5 AND (fetal comlication*[TIAB] OR “Fetal Diseases”[Mesh])	40
#42	#5 AND birth outcome*[TIAB]	6
#43	#5 AND (genetic disease*[TIAB] OR genetic defect*[TIAB])	42
#44	#5 AND (congenital malformation*[TI] OR congenital anomal*[TI] OR congenital abnormalit*[TI])	9
#45	#5 AND (spontaneous abortion*[TI] OR “Abortion, Spontaneous”[Mesh])	66
#46	#5 AND (stillbirth[TIAB] OR “Stillbirth”[Mesh])	17
#47	#5 AND (neonatal death*[TIAB] OR perinatal death*[TIAB] OR “Perinatal Death”[Mesh])	9
#48	#5 AND (preterm birth*[TI] OR preterm deliver*[TI] OR premature birth*[TI] OR “Premature Birth”[Mesh])	30
#49	#5 AND (low birth weight*[TI] OR “Infant, Low Birth Weight”[Mesh])	21
#50	#5 AND (“small for gestational age”[TIAB] OR “Infant, Small for Gestational Age”[Mesh])	13
#51	#5 AND (teratogenesis[TIAB] OR “Teratogenesis”[Mesh])	3
#52	#5 AND (cerebral pals*[TIAB] OR “Cerebral Palsy”[Mesh])	10
#53	#36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52	417
#54	#53 AND (English[LA] OR Japanese[LA])	361
#55	#54 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	54
#56	#54 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	38
#57	#54 AND (“Epidemiologic Studies”[Mesh] OR “Comparative Study”[PT] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB]) NOT medline[SB]))	160
#58	(#55 OR #56 OR #57) NOT #35	201

医中誌

検索日：2016 年 4 月 6 日（水）

No.	検索式	件数
#1	腫瘍/TH and (SH= 治療, 薬物療法, 外科の療法, 食事療法, 精神療法, 放射線療法)	810,412
#2	#1 and (CK= 小児 (6 ~ 12), 青年期 (13 ~ 18))	27,243
#3	(腫瘍/TI or 癌/TI or がん/TI) and (療法/TA or 治療/TA or 手術/TA or 外科/TA or 切除/TA)	485,854
#4	#3 and (小児/TA or 子ども/TA or 子供/TA or 児童/TA)	5,614
#5	小児がん経験者/AL or 小児がんサバイバー/AL or ((がん/TI or 癌/TI or 腫瘍/TH) and (生存者/TI or 経験者/TI or サバイバー/TI or 生存者/TH))	2,836

No.	検索式	件数
#6	#2 or #4 or #5	33,656
#7	#6 and (妊孕性温存/TH or 妊孕性温存/AL)	105
#8	#6 and (((精液保存/TH or 精子/TH or 精子銀行/TH or 卵/TH) and 凍結保存/TH) or 精子凍結保存/AL or 精巣凍結保存/AL or 精巣組織凍結保存/AL or 卵子凍結保存/AL or 卵巣凍結保存/AL or 卵巣組織凍結保存/AL)	24
#9	#6 and (卵巣移動/AL or 卵巣位置移動/AL or 精巣移動/AL)	5
#10	#6 and ((性腺/TH and (放射線防護/TH or 防護具/TH)) or 性腺遮蔽/AL)	1
#11	#6 and (LHRH アナログ/AL or 性腺抑制/AL)	3
#12	#7 or #8 or #9 or #10 or #11	130
#13	#12 and (妊娠/TH or 妊娠/TA) and (治療後/TA or 療法後/TA or 術後/TA)	12
#14	#12 and (性腺毒性/AL or gonadotoxicity/AL or 生殖腺毒性/AL or 生殖毒性/TH or ((卵巣疾患/TH) and (SH= 化学的誘発)) or ((精巣疾患/TH) and (SH= 化学的誘発)))	7
#15	#12 and (周産期/TA or 周産期/TH)	1
#16	#12 and (妊娠結果/AL or 妊娠転帰/AL or 妊娠成績/AL or 妊娠成立/AL or 妊娠予後/AL or 妊娠転帰/TH)	6
#17	#12 and (母体合併/AL or 妊娠合併/AL or 合併妊娠/AL or 妊娠合併症/TH)	3
#18	#12 and (胎児合併/AL or 胎児疾患/AL or 胎児異常/AL or 胎児奇形/AL or 胎児障害/AL or 胎児疾患/TH)	0
#19	#12 and (出生予後/AL or 出産成績/AL or 出産転帰/AL or 出産結果/AL)	0
#20	#12 and (遺伝性疾患/AL or 遺伝の疾患/AL or 遺伝病/AL or 遺伝疾患/AL or 遺伝性疾患/TH)	2
#21	#12 and (奇形/TA or 形成異常/AL or 先天奇形/TH)	12
#22	#12 and (流産/AL or 流産/TH)	0
#23	#12 and (死産/AL or 死産/TH)	1
#24	#12 and (胎児死亡/AL or 胎児死亡/TH)	0
#25	#12 and (周産期死亡/AL or 周産期死亡/TH or 新生児死亡/AL or 新生児死亡/TH)	0
#26	#12 and (未熟児/AL or 早産/AL or 早期分娩/AL or 未熟児出産/TH or 早産/TH or 未熟児/TH)	0
#27	#12 and (低出生体重/AL or 低体重新生児/AL or 低体重児/AL or 低出生体重児/TH)	0
#28	#12 and (SGA/TA or 子宮内発育遅延児/AL or 子宮内発育遅延児/TH)	0
#29	#12 and (奇形発生/AL or 奇形形成/AL or 奇形発生/AL or 催奇形/AL or 奇形発生/TH)	0
#30	#12 and (脳性麻痺/AL or 脳性小児麻痺/AL or 脳性麻痺/TH)	0
#31	#13 or #14 or #15 or #16 or #17 or #20 or #21 or #23	34
#32	#31 and (PT= 原著論文, 総説)	19
#33	#6 and (妊娠/TH or 妊娠/TA) and (治療後/TA or 療法後/TA or 術後/TA)	64
#34	#6 and (性腺毒性/AL or gonadotoxicity/AL or 生殖腺毒性/AL or 生殖毒性/TH or ((卵巣疾患/TH) and (SH= 化学的誘発)) or ((精巣疾患/TH) and (SH= 化学的誘発)))	19
#35	#6 and (周産期/TA or 周産期/TH)	18
#36	#6 and (妊娠結果/AL or 妊娠転帰/AL or 妊娠成績/AL or 妊娠成立/AL or 妊娠予後/AL or 妊娠転帰/TH)	16
#37	#6 and (母体合併/AL or 妊娠合併/AL or 合併妊娠/AL or 妊娠合併症/TH)	160
#38	#6 and (胎児合併/AL or 胎児疾患/AL or 胎児異常/AL or 胎児奇形/AL or 胎児障害/AL or 胎児疾患/TH)	18
#39	#6 and (出生予後/AL or 出産成績/AL or 出産転帰/AL or 出産結果/AL)	0
#40	#6 and (遺伝性疾患/TA or 遺伝の疾患/TA or 遺伝病/TA or 遺伝疾患/TA)	16
#41	#6 and (奇形/TH or 形成異常/TH)	530
#42	#6 and (流産/AL or 流産/TH)	9
#43	#6 and (死産/AL or 死産/TH)	2
#44	#6 and (胎児死亡/AL or 胎児死亡/TH)	2
#45	#6 and (周産期死亡/AL or 周産期死亡/TH or 新生児死亡/AL or 新生児死亡/TH)	1
#46	#6 and (未熟児/AL or 早産/AL or 早期分娩/AL or 未熟児出産/TH or 早産/TH or 未熟児/TH)	20
#47	#6 and (低出生体重/AL or 低体重新生児/AL or 低体重児/AL or 低出生体重児/TH)	14
#48	#6 and (SGA/TA or 子宮内発育遅延児/AL or 子宮内発育遅延児/TH)	2
#49	#6 and (奇形発生/AL or 奇形形成/AL or 奇形発生/AL or 催奇形/AL or 奇形発生/TH)	2
#50	#13 or #14 or #15 or #16 or #17 or #20 or #21 or #23	812
#51	#50 and (PT= 総説)	4
#52	#50 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	5
#53	#50 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	10
#55	(#51 or #52 or #53) not #32	64
#54	#50 and ((PT= 症例報告除く) AND (PT= 原著論文))	105
#55	#54 not (#32 or #55)	49

造血器

CQ1 どのような造血器悪性腫瘍患者が妊孕性温存の適応となるか？

PubMed

検索日：2016 年 5 月 5 日（木）

・ #7, #12, #17

No.	検索式	件数
#1	"Fertility Preservation"[Mesh] OR fertility preservation*[TIAB] OR preserving fertilit*[TIAB] OR preserve fertilit*[TIAB] OR (preserv*[TI] AND fertilit*[TI])	3,031
#2	"Neoplasms/therapy"[Majr] OR ((cancer[TI] OR neoplasm*[TI]) AND (therap*[TIAB] OR treatment*[TIAB] OR radiotherap*[TIAB] OR chemotherap*[TIAB] OR surgery[TIAB] OR operation*[TIAB]) NOT medline[SB])	837,932
#3	#2 AND (hematological malignanc*[TIAB] OR "Leukemia/therapy"[Mesh] OR "Lymphoma/therapy" OR myeloma*[TIAB] OR hematologist*[TIAB] OR ((leukemia*[TIAB] OR lymphoma*[TIAB]) NOT medline[SB]))	64,049
#4	"Infertility/etiology"[Mesh] OR ((infertilit*[TIAB] OR azoospermia*[TIAB]) NOT medline[SB])	31,413
#5	(#1 OR #4) AND #3	79
#6	#5 AND (English[LA] OR Japanese[LA])	69
#7	#6 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	24
#8	#1 AND #3 AND #4	12
#9	#1 AND #2 AND #4	291
#10	#9 NOT #5	279
#11	#10 AND (English[LA] OR Japanese[LA])	238
#12	#11 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	132
#13	"Antineoplastic Agents/adverse effects"[Mesh] OR "Antineoplastic Protocols/adverse effects"[Mesh] OR "Radiotherapy/adverse effects"[Mesh]	111,828
#14	#1 AND #2 AND #13	244
#15	#14 NOT (#5 OR #10)	96
#16	#15 AND (English[LA] OR Japanese[LA])	81
#17	#16 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	42

医中誌

検索日：2016 年 5 月 5 日（木）

・ #13, #14

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性温存/AL or (妊孕性/TI and 温存/TI)	1,629
#2	不妊症/TH or 不妊/TA or 無精子症/TA	24,099
#3	造血器腫瘍/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	2,382
#4	白血病/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	25,302
#5	リンパ腫/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	23,936
#6	骨髄腫-多発性/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	4,266
#7	(血液腫瘍/TI or 血液癌/TI or 血液がん/TI or 白血病/TI or リンパ腫/TI or 造血器腫瘍/TI or 骨髄腫/TI) and (療法/TA or 治療/TA or 手術/TA or 外科/TA or 切除/TA)	35,205
#8	(#1 or #2) and (#3 or #4 or #5 or #6 or #7)	77
#9	#8 and (PT= 総説)	3
#10	#8 and (RD= ランダム化比較試験,準ランダム化比較試験,比較研究)	1
#11	#8 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	3
#12	#8 and (PT= 原著論文)	10
#13	#9 or #10 or #11 or #12	14
#14	#8 not #13	63

文献 1-5 についてはハンドサーチを行った。

CQ2 造血幹細胞移植が妊孕性に及ぼす影響について、どのような情報提供をすべきか？

PubMed

検索日：2016 年 5 月 5 日（木）

・ #11 ・ #12

No.	検索式	件数
#1	"Fertility Preservation"[Mesh] OR fertility preservation*[TIAB] OR preserving fertilit*[TIAB] OR preserve fertilit*[TIAB] OR (preserv*[TI] AND fertilit*[TI])	3,035
#2	"Infertility"[Mesh] OR ((infertilit*[TIAB] OR azoospermia*[TIAB]) NOT medline[SB])	61,599
#3	"Hematopoietic Stem Cell Transplantation"[Mesh] OR hematopoietic stem cell transplant*[TIAB] OR hematopoietic cell transplant*[TIAB]	37,224
#4	"Bone Marrow Transplantation"[Mesh] AND bone marrow transplantation*[TIAB]	18,482
#5	"Hematopoietic Stem Cells/transplantation"[Mesh]	106
#6	(#1 OR #2) AND (#3 OR #4 OR #5)	109
#7	#6 AND (English[LA] OR Japanese[LA])	101
#8	#7 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	31
#9	#7 AND ("Clinical Trial" [PT] OR "Clinical Trials as Topic"[Mesh] OR clinical trial*[TI] OR random*[TI])	2
#10	#7 AND ("Epidemiologic Studies"[Mesh] OR case control *[TI] OR cohort*[TI])	20
#11	#8 OR #9 OR #10	52
#12	#7 NOT #11	49

検索日：2016 年 7 月 1 日（金）

・ #11 ・ #22 ・ #23

No.	検索式	件数
#1	"Fertility Preservation"[Mesh] OR fertility preservation*[TIAB] OR preserving fertilit*[TIAB] OR preserve fertilit*[TIAB] OR (preserv*[TI] AND fertilit*[TI])	3,112
#2	"Infertility"[Mesh] OR ((infertilit*[TIAB] OR azoospermia*[TIAB]) NOT medline[SB])	61,999
#3	"Hematopoietic Stem Cell Transplantation"[Mesh] OR hematopoietic stem cell transplant*[TIAB] OR hematopoietic cell transplant*[TIAB]	37,684
#4	"Bone Marrow Transplantation"[Mesh] AND bone marrow transplantation*[TIAB]	18,515
#5	"Hematopoietic Stem Cells/transplantation"[Mesh]	106
#6	(#1 OR #2) AND (#3 OR #4 OR #5)	112
#7	#6 AND (English[LA] OR Japanese[LA])	104
#8	#7 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	31
#9	#7 AND ("Clinical Trial" [PT] OR "Clinical Trials as Topic"[Mesh] OR clinical trial*[TI] OR random*[TI])	4
#10	#7 AND ("Epidemiologic Studies"[Mesh] OR case control *[TI] OR cohort*[TI])	22
#11	#8 OR #9 OR #10	56
#12	#7 NOT #11	48
#13	gonadal function*[TIAB] AND (#3 OR #4 OR #5)	51
#14	"Gonads"[Mesh] AND (#3 OR #4 OR #5)	148
#15	spermatogenesis*[TIAB] AND (#3 OR #4 OR #5)	22
#16	"Spermatogenesis"[Mesh] AND (#3 OR #4 OR #5)	14
#17	#13 OR #14 OR #15 OR #16	193
#18	#17 AND (English[LA] OR Japanese[LA])	183
#19	#18 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	23
#20	#18 AND ("Clinical Trial" [PT] OR "Clinical Trials as Topic"[Mesh] OR clinical trial*[TI] OR random*[TI])	6
#21	#18 AND ("Epidemiologic Studies"[Mesh] OR case control *[TI] OR cohort*[TI])	47
#22	(#19 OR #20 OR #21) NOT #7	56
#23	#18 NOT (#7 OR #22)	88

医中誌

検索日：2016 年 5 月 5 日（木）

・ #10 ・ #11

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性温存/AL or (妊孕性/TI and 温存/TI)	1,629
#2	不妊症/TH or 不妊/TA or 無精子症/TA	24,099
#3	造血幹細胞移植/TH or 造血幹細胞移植/TA or 血液幹細胞移植/TA or 造血細胞移植/TA	16,930
#4	骨髄移植/TH or 骨髄移植/TA or 骨髄細胞移植/TA	16,729
#5	(#1 or #2) and (#3 or #4)	65
#6	#5 and (PT= 総説)	4
#7	#5 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	1
#8	#5 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	0
#9	#5 and (PT= 原著論文)	11
#10	#6 or #7 or #9	15
#11	#5 not #10	50

検索日：2016 年 7 月 1 日（金）

・ #21

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性温存/AL or (妊孕性/TI and 温存/TI)	1,684
#2	不妊症/TH or 不妊/TA or 無精子症/TA	24,337
#3	造血幹細胞移植/TH or 造血幹細胞移植/TA or 血液幹細胞移植/TA or 造血細胞移植/TA	17,224
#4	骨髄移植/TH or 骨髄移植/TA or 骨髄細胞移植/TA	16,813
#5	(#1 or #2) and (#3 or #4)	65
#6	#5 and (PT= 総説)	4
#7	#5 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	1
#8	#5 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	0
#9	#5 and (PT= 原著論文)	11
#10	#6 or #7 or #8 or #9	15
#11	#5 not #10	50
#12	性腺機能/TA or 性腺/TH	17,993
#13	#12 and (#3 or #4)	70
#14	精子形成/TA or 精子形成/TH	2,521
#15	#14 and (#3 or #4)	7
#16	#13 or #15	77
#17	#16 and (PT= 総説)	3
#18	#16 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	5
#19	#16 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH or ガイドライン/TH)	6
#20	#16 and (PT= 原著論文)	31
#21	(#17 or #18 or #19 or #20) not #5	31

CQ3 学児希望を有する急性白血病患者に勧められる妊孕性温存療法は？

PubMed

検索日：2016 年 5 月 5 日（木）

・ #10

No.	検索式	件数
#1	Fertility Preservation[Mesh] OR fertility preservation*[TIAB] OR preserving fertilit*[TIAB] OR preserve fertilit*[TIAB] OR (preserv*[TI] AND fertilit*[TI])	3,035
#2	"Infertility"[Mesh] OR infertilit*[TIAB] OR azoospermia*[TIAB]	76,564
#3	Leukemia, Myeloid, Acute[Mesh] OR ("Leukemia"[Mesh] AND "Acute Disease"[Mesh]) OR acute leukemia*[TIAB] OR (acute[TI] AND leukemia*[TI])	84,016
#4	(#1 OR #2) AND #3	60
#5	#4 AND (English[LA] OR Japanese[LA])	53
#6	Leukemia[Majr] OR leukemia*[TI]	179,499
#7	(#1 OR #2) AND #6	137
#8	#7 AND (English[LA] OR Japanese[LA])	120

No.	検索式	件数
#9	#8 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	22
#10	#9 NOT #5	19

医中誌

検索日：2016年5月5日（木）

・#9, #10

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性温存/AL or (妊孕性/TI and 温存/TI)	1,629
#2	不妊症/TH or 不妊/TA or 無精子症/TA	24,099
#3	白血病-急性骨髄性/TH or 急性骨髄性白血病/TA or 急性白血病/TA or (急性/TI and 白血病/TI)	32,006
#4	(#1 or #2) and #3	23
#5	#4 and (PT= 総説)	2
#6	#4 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	1
#7	#4 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	2
#8	#4 and (PT= 原著論文)	8
#9	#5 or #6 or #7 or #8	10
#10	#4 not #9	13

PubMed

検索日：2016年2月25日

(fertility preservation) and leukemia 93

文献1-4, 9についてはハンドサーチを行った。

CQ4 挙児希望を有するその他の造血器悪性腫瘍患者に勧められる妊孕性温存療法は？

PubMed

検索日：2016年5月5日（木）

・#7, #10, #12

No.	検索式	件数
#1	“Fertility Preservation”[Mesh] OR fertility preservation*[TIAB] OR preserving fertilit*[TIAB] OR preserve fertilit*[TIAB] OR (preserv*[TI] AND fertilit*[TI])	3,035
#2	“Infertility”[Mesh] OR ((infertilit*[TIAB] OR azoospermia*[TIAB]) NOT medline[SB])	61,599
#3	“Hematologic Neoplasms/therapy”[Mesh] OR “Leukemia/therapy”[Mesh] OR “Lymphoma/therapy”[Mesh] OR “Multiple Myeloma/therapy”[Mesh] OR ((hematological malignanc*[TIAB] OR myeloma*[TIAB] OR leukemia*[TIAB] OR lymphoma*[TIAB]) NOT medline[SB])	170,856
#4	“Leukemia, Myeloid, Acute”[Mesh] OR (“Leukemia”[Mesh] AND “Acute Disease”[Mesh]) OR acute leukemia*[TIAB] OR (acute[TI] AND leukemia*[TI])	84,016
#5	(#1 OR #2) AND #3 NOT #4	348
#6	#5 AND (English[LA] OR Japanese[LA])	307
#7	#6 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	84
#8	#6 AND (“Clinical Trial” [PT] OR “Clinical Trials as Topic”[Mesh] OR clinical trial*[TI] OR random*[TI])	31
#9	#6 AND (“Epidemiologic Studies”[Mesh] OR case control *[TI] OR cohort*[TI])	58
#10	(#8 OR #9) NOT #7	65
#11	“Hematologic Neoplasms/therapy”[Majr] OR “Leukemia/therapy”[Majr] OR “Lymphoma/therapy”[Majr] OR “Multiple Myeloma/therapy”[Majr] OR ((hematological malignanc*[TI] OR myeloma*[TI] OR leukemia*[TI] OR lymphoma*[TI]) NOT medline[SB])	104,164
#12	(#6 AND #11) NOT (#7 OR #8 OR #9)	84

医中誌

検索日：2016年5月5日（木）

・#15, #16

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性温存/AL or (妊孕性/TI and 温存/TI)	1,629
#2	不妊症/TH or 不妊/TA or 無精子症/TA	24,099
#3	造血器腫瘍/TH and (SH= 治療, 薬物療法, 外科的療法, 食事療法, 精神療法, 放射線療法)	2,382
#4	白血病/TH and (SH= 治療, 薬物療法, 外科的療法, 食事療法, 精神療法, 放射線療法)	25,302

No.	検索式	件数
#5	リンパ腫/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	23,936
#6	骨髄腫-多発性/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	4,266
#7	(血液腫瘍/TI or 血液癌/TI or 血液がん/TI or 白血病/TI or リンパ腫/TI or 造血器腫瘍/TI or 骨髄腫/TI) and (療法/TA or 治療/TA or 手術/TA or 外科/TA or 切除/TA)	35,205
#8	(#1 or #2) and (#3 or #4 or #5 or #6 or #7)	77
#9	白血病-急性骨髄性/TH or 急性骨髄性白血病/TA or 急性白血病/TA or (急性/TI and 白血病/TI)	32,006
#10	#8 not #9	61
#11	#10 and (PT= 総説)	2
#12	#10 and (RD= ランダム化比較試験,準ランダム化比較試験,比較研究)	1
#13	#10 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	3
#14	#10 and (PT= 原著論文)	5
#15	#11 or #12 or #13 or #14	8
#16	#10 not #15	53

文献 1-3, 5, 8 についてはハンドサーチを行った。

CQ5 学児希望を有する造血幹細胞移植患者に勧められる妊孕性温存療法は？

PubMed

検索日：2016 年 5 月 5 日（木）

・#9・#13

No.	検索式	件数
#1	"Fertility"[Mesh] OR fertilit*[TI]	41,840
#2	"Pregnancy"[Mesh] OR "Pregnancy Outcome"[Mesh] OR pregnancy[TI]	795,835
#3	"Hematopoietic Stem Cell Transplantation"[Mesh] OR hematopoietic stem cell transplant*[TIAB] OR hematopoietic cell transplant*[TIAB]	37,224
#4	"Bone Marrow Transplantation"[Mesh] AND bone marrow transplantation*[TIAB]	18,482
#5	"Hematopoietic Stem Cells/transplantation"[Mesh]	106
#6	(#1 OR #2) AND (#3 OR #4 OR #5)	858
#7	#6 AND (English[LA] OR Japanese[LA])	786
#8	#7 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	174
#9	CQ2 の検索結果との重複除く	159
#10	#7 AND ("Clinical Trial" [PT] OR "Clinical Trials as Topic"[Mesh] OR clinical trial*[TI] OR random*[TI])	27
#11	#7 AND ("Epidemiologic Studies"[Mesh] OR case control *[TI] OR cohort*[TI])	65
#12	(#9 OR #10) NOT #8	81
#13	CQ2 の検索結果との重複除く	64

検索日：2016 年 5 月 7 日（土）

・#17・#18

No.	検索式	件数
#1	"Fertility"[Mesh] OR fertilit*[TI]	41,866
#2	"Pregnancy"[Mesh] OR "Pregnancy Outcome"[Mesh] OR pregnancy[TI]	796,059
#3	"Hematopoietic Stem Cell Transplantation"[Mesh] OR hematopoietic stem cell transplant*[TIAB] OR hematopoietic cell transplant*[TIAB]	37,242
#4	"Bone Marrow Transplantation"[Mesh] AND bone marrow transplantation*[TIAB]	18,484
#5	"Hematopoietic Stem Cells/transplantation"[Mesh]	106
#6	(#1 OR #2) AND (#3 OR #4 OR #5)	859
#7	#6 AND (English[LA] OR Japanese[LA])	787
#8	#7 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	174
#9	#7 AND ("Clinical Trial" [PT] OR "Clinical Trials as Topic"[Mesh] OR clinical trial*[TI] OR random*[TI])	27
#10	#7 AND ("Epidemiologic Studies"[Mesh] OR case control *[TI] OR cohort*[TI])	66
#11	ovarian function*[TIAB] OR ovarian dysfunction*[TIAB]	6,422
#12	#11 AND (#3 OR #4 OR #5) NOT #6	27
#13	#12 AND (English[LA] OR Japanese[LA])	26

No.	検索式	件数
#14	#13 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	0
#15	#13 AND (“Clinical Trial” [PT] OR “Clinical Trials as Topic”[Mesh] OR clinical trial*[TI] OR random*[TI])	3
#16	#13 AND (“Epidemiologic Studies”[Mesh] OR case control *[TI] OR cohort*[TI])	15
#17	#15 OR #16	17
#18	#13 NOT #17	9

医中誌

検索日：2016 年 5 月 5 日（木）

・ #13 ・ #14

No.	検索式	件数
#1	生殖能力/TH or 生殖能/TA or 妊孕性/TA or 受精能/TA or 受胎能/TA	5,402
#2	妊娠/TH or 妊娠/TA or 妊娠転帰/TH	125,196
#3	造血幹細胞移植/TH or 造血幹細胞移植/TA or 血液幹細胞移植/TA or 造血細胞移植/TA	16,930
#4	骨髄移植/TH or 骨髄移植/TA or 骨髄細胞移植/TA	16,729
#5	(#1 or #2) and (#3 or #4)	133
#6	妊孕性温存/TH or 妊孕性温存/AL or (妊孕性/TI and 温存/TI)	1,629
#7	不妊症/TH or 不妊/TA or 無精子症/TA	24,099
#8	#5 not (#6 or #7)	107
#9	#8 and (PT= 総説)	3
#10	#8 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	3
#11	#8 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	3
#12	#8 and (PT= 原著論文)	44
#13	#9 or #10 or #11 or #12	48
#14	#8 not #13	59

文献 7, 8 についてはハンドサーチを行った。

CQ6 造血器悪性腫瘍患者に対する治療後の妊娠・分娩について、どのような情報を提供すべきか？

PubMed

検索日：2016 年 4 月 7 日（木）

・ #7, #12, #31

No.	検索式	件数
#1	“Hematologic Neoplasms”[Mesh] OR “Leukemia”[Mesh] OR “Lymphoma”[Mesh]	347,804
#2	hematologic malignanc*[TI] OR leukemia*[TI] OR lymphoma*[TIAB] OR myeloma*[TIAB] OR myelogenous*[TIAB] OR hematopoietic cell*[TIAB] OR hematologist*[TIAB]	309,830
#3	(#1 OR #2) AND (“Fertility Preservation”[Mesh] OR fertility preservation*[TIAB] OR preserving fertilit*[TIAB] OR preserve fertilit*[TIAB] OR preserv*[TI] AND fertilit*[TI]))	192
#4	“Neoplasms/therapy”[Majr] AND (“Infertility/etiology”[Mesh] OR “Fertility”[Majr]) AND (“Adolescent”[Mesh] OR “Young Adult”[Mesh] OR child[TIAB])	504
#5	#4 AND (“Fertility Preservation”[Mesh] OR fertility preservation*[TIAB] OR preserving fertilit*[TIAB] OR preserve fertilit*[TIAB] OR preserv*[TI]) AND fertilit*[TI]	91
#6	(#3 OR #5) AND (English[LA] OR Japanese[LA])	252
#7	#6 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	79
#8	#3 NOT medline[SB]	15
#9	“Neoplasms/therapy”[Mesh] AND “Infertility/etiology”[Majr]	664
#10	#9 AND (“Fertility Preservation”[Majr] OR fertility preservation*[TI] OR preserving fertilit*[TI] OR preserve fertilit*[TI] OR preserv*[TI]) AND fertilit*[TI]	68
#11	#9 AND News[PT]	11
#12	(#8 OR #11) NOT #7	24
#13	(#1 OR #2) AND (“Infertility”[Mesh] OR infertilit*[TI])	416
#14	(#1 OR #2) AND (teratogenicit*[TIAB] OR teratogenesis[TIAB] OR “Teratogenesis”[Mesh])	91
#15	(#1 OR #2) AND (low birth weight*[TI] OR “Infant, Low Birth Weight”[Mesh])	28
#16	(#1 OR #2) AND (preterm birth*[TI] OR preterm deliver*[TI] OR premature birth*[TI] OR “Premature Birth”[Mesh])	13

No.	検索式	件数
#17	(#1 OR #2) AND (neonatal death*[TIAB] OR perinatal death*[TIAB] OR “Perinatal Death”[Mesh])	17
#18	#3 OR #13 OR #14 OR #15 OR #16 OR #17	679
#19	#18 AND (pregnancy[TI] OR “Pregnancy”[Mesh])	200
#20	#19 AND (English[LA] OR Japanese[LA])	180
#21	#20 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	40
#22	#20 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	10
#23	#20 AND (“Epidemiologic Studies”[Mesh] OR “Comparative Study”[PT] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB] OR follow-up stud*[TIAB]) NOT medline[SB]))	41
#24	(#21 OR #22 OR #23) NOT (#7 OR #12)	66

医中誌

検索日：2016 年 4 月 7 日（木）

・ #18

No.	検索式	件数
#1	造血器腫瘍/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	2,371
#2	白血病/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	25,239
#3	リンパ腫/TH and (SH= 治療,薬物療法,外科的療法,食事療法,精神療法,放射線療法)	23,807
#4	(血液腫瘍/TI or 血液癌/TI or 血液がん/TI or 白血病/TI or リンパ腫/TI or 造血器腫瘍/TI) and (療法/TA or 治療/TA or 手術/TA or 外科/TA or 切除/TA)	31,943
#5	#1 or #2 or #3 or #4	60,816
#6	#5 and (妊孕性温存/TH or 妊孕性温存/AL or (妊孕性/TI and 温存/TI))	25
#7	#5 and (不妊症/TH or 不妊/TA)	63
#8	#5 and (奇形/TA or 形成異常/TA or 先天奇形/TH)	509
#9	#5 and (低出生体重/AL or 低体重新生児/AL or 低体重児/AL or 低出生体重児/TH)	4
#10	#5 and (未熟児/AL or 早産/AL or 早期分娩/AL or 未熟児出産/TH or 早産/TH or 未熟児/TH)	20
#11	#5 and (周産期死亡/AL or 周産期死亡/TH or 新生児死亡/AL or 新生児死亡/TH)	0
#12	#6 or #7 or #8 or #9 or #10 or #11	598
#13	#12 and (妊娠/TH or 妊娠/AL)	39
#14	#13 and (PT= 総説)	0
#15	#13 and (RD= ランダム化比較試験,準ランダム化比較試験,比較研究)	1
#16	#13 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	2
#17	#13 and (PT= 原著論文)	26
#18	#15 or #16 or #17	26

骨軟部

CQ1 どのような悪性骨軟部腫瘍患者が妊孕性温存療法の適応となるか？

PubMed

検索日：2016 年 7 月 1 日（金）

No.	検索式	件数
#01	“Sarcoma”[Mesh]	123,755
#02	(“Soft Tissue Neoplasms”[Mesh] OR “Neoplasms, Connective and Soft Tissue”[Mesh]) AND (“Bone Neoplasms”[Mesh] OR “Bone and Bones”[Mesh])	44,203
#03	sarcoma*[TIAB] OR osteosarcoma*[TIAB] OR rhabdomyosarcoma*[TIAB] OR liposarcoma*[TIAB] OR soft tissue tumo*[TIAB]	114,803
#04	“Fertility Preservation”[Mesh] OR “Pregnancy”[Mesh] OR pregnancy[TIAB] OR “Fertility”[Mesh] OR fertility[TIAB]	902,773
#05	gonadal function*[TIAB] OR “Gonads”[Mesh] OR “Spermatozoa”[Mesh] OR spermatozoa[TIAB] OR sperm[TIAB] OR “Sperm Count”[Mesh] OR ovary[TIAB] OR testis[TIAB] OR “Spermatogenesis”[Mesh] OR spermatogenesis[TIAB]	299,362
#06	(#1 OR #2 OR #3) AND (#4 OR #5)	4,139
#07	#6 AND (English[LA] OR Japanese[LA])	3,498
#08	#7 AND (“Meta-Analysis”[PT] OR “meta-analysis”[TIAB] OR “Cochrane Database Syst Rev”[TA] OR systematic review*[TIAB])	15
#09	#7 AND (“Guideline”[PT] OR “Guidelines as Topic”[MH] OR guideline*[TIAB])	24
#10	#8 OR #9	38

No.	検索式	件数
#11	#7 AND (Review[PT] OR review[TI] OR overview[TI])	523
#12	sarcoma*[TI] OR osteosarcoma*[TI] OR rhabdomyosarcoma*[TI] OR liposarcoma*[TI] OR soft tissue tumor*[TI]	95,916
#13	#11 AND #12 NOT #10	101
#14	#7 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	64
#15	#14 NOT (#10 OR #13)	60
#16	#7 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR “Comparative Study”[PT])	536

医中誌

検索日：2016年7月1日（金）

No.	検索式	件数
#1	結合組織腫瘍と軟部組織腫瘍/TH or 肉腫/TA or 軟部腫瘍/TA	140,295
#2	妊娠/TH or 妊娠/TA or 生殖能力/TH or 生殖能力/TA or 妊孕性温存/TH or 妊孕性/TA	129,960
#3	性腺/TH or 性腺機能/TA or 卵巣/TA or 精巣/TA or 睪丸/TA or 精子形成/TH or 精子形成/TA	89,807
#4	#1 and (#2 or #3)	5,110
#5	#4 and (PT= 総説)	26
#6	#4 and (RD= メタアナリシス, ランダム化比較試験, 準ランダム化比較試験, 比較研究, 診療ガイドライン)	121
#7	#4 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	146
#8	#5 or #6 or #7	246
#9	結合組織腫瘍と軟部組織腫瘍/MTH or 肉腫/TA or 軟部腫瘍/TA	88,794
#10	#8 and #9	120
#11	#8 not #10	126

CQ2 悪性骨軟部腫瘍患者の妊孕性温存療法にはどのような方法があるか？

PubMed

検索日：2016年6月3日（金）

No.	検索式	件数
#01	“Fertility Preservation”[Mesh] OR “Fertility”[Mesh] OR fertility*[TIAB] OR fertilization*[TIAB]	123,785
#02	“Sarcoma”[Mesh] OR ((sarcoma*[TIAB] OR osteosarcoma*[TIAB]) NOT medline[SB])	131,907
#03	“Bone Neoplasms”[Mesh] OR ((bone neoplasm*[TIAB] OR bone tumor*[TIAB]) NOT medline[SB])	112,032
#04	“Soft Tissue Neoplasms”[Mesh] OR ((soft tissue neoplasm*[TIAB] OR soft tissue tumor*[TIAB]) NOT medline[SB])	22,212
#05	#1 AND (#2 OR #3 OR #4)	141
#06	#5 AND (English[LA] OR Japanese[LA])	135
#07	#6 AND (“Meta-Analysis”[PT] OR “meta-analysis”[TIAB] OR “Cochrane Database Syst Rev”[TA] OR systematic review*[TIAB])	2
#08	#6 AND (“Guideline”[PT] OR “Guidelines as Topic”[MH] OR guideline*[TIAB])	3
#09	#6 AND (Review[PT] OR review[TI] OR overview[TI])	22
#10	#6 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	3
#11	#6 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR “Comparative Study”[PT])	24
#12	#7 OR #8 OR #9 OR #10 OR #11	47
#13	“Cryopreservation”[Mesh] OR cryopreservation[TIAB]	34,996
#14	“Ovary”[Mesh] OR ovary[TIAB] OR “Oocytes”[Mesh] OR oocyte*[TIAB]	185,362
#15	#1 AND #13 AND #14	2,320
#16	#15 AND (English[LA] OR Japanese[LA])	2,159
#17	#16 AND (“Meta-Analysis”[PT] OR “meta-analysis”[TIAB] OR “Cochrane Database Syst Rev”[TA] OR systematic review*[TIAB])	26
#18	#16 AND (“Guideline”[PT] OR “Guidelines as Topic”[MH] OR guideline*[TIAB])	63
#19	(#17 OR #18) NOT #12	81
#20	“Neoplasms/therapy”[Majr]	794,916
#21	“Ovary/surgery”[Mesh] OR “Ovary/drug effects”[Mesh]	21,232
#22	“Recovery of Function”[Mesh] OR “Pregnancy Outcome”[Mesh] OR functional outcome*[TIAB]	105,903
#23	#20 AND #21 AND #22	54
#24	#23 AND (English[LA] OR Japanese[LA])	49
#25	#24 AND (“Meta-Analysis”[PT] OR “meta-analysis”[TIAB] OR “Cochrane Database Syst Rev”[TA] OR systematic review*[TIAB])	0

No.	検索式	件数
#26	#24 AND (“Guideline”[PT] OR “Guidelines as Topic”[MH] OR guideline*[TIAB])	0
#27	#24 AND (Review[PT] OR review[TI] OR overview[TI])	7
#28	#24 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	14
#29	#24 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR “Comparative Study”[PT])	28
#30	(#27 OR #28 OR #29) NOT (#12 OR #19)	35

医中誌

検索日：2016年6月3日（金）

No.	検索式	件数
#1	妊孕性温存/TH or 妊孕性/TA or 生殖能力/TH or 生殖能/TA	5,253
#2	肉腫/TH or 肉腫/TA or 骨軟部腫瘍/TA	71,916
#3	#1 and #2	41
#4	#3 and (PT= 総説)	1
#5	#3 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	1
#6	#3 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	3
#7	#4 or #5 or #6	5
#8	凍結保存/TH or 凍結保存/TA	9,164
#9	卵巣/TH or 卵巣/TA or 卵母細胞/TH or 卵母細胞/TA	64,853
#10	#1 and #8 and #9	172
#11	#10 and (PT= 総説)	10
#12	#10 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	1
#13	#10 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	6
#14	(#11 or #12 or #13) not #7	17
#15	腫瘍/TH and (SH= 治療, 薬物療法, 外科的療法, 放射線療法)	817,661
#16	(腫瘍/TI or 癌/TI) and (療法/TA or 治療/TA or 手術/TA or 外科/TA or 切除/TA)	453,903
#17	生体機能回復/TH or 生体機能回復/TA or 妊娠転帰/TH or 妊娠転帰/TA or 妊娠成績/TA	5,665
#18	(#15 or #16) and #9 and #17	150
#19	#18 and (PT= 総説)	1
#20	#18 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	20
#21	#18 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	24
#22	(#19 or #20 or #21) not (#7 or #14)	34

CQ3 悪性骨軟部腫瘍患者が育児を希望した場合、治療終了後いつから育児または妊娠可能となるか？

PubMed

検索日（第2回）：2016年7月8日（金）

No.	検索式	件数
#01	“Sarcoma/drug therapy”[Mesh]	15,889
#02	(sarcoma*[TIAB] OR osteosarcoma*[TIAB]) NOT medline[SB]	8,563
#03	chemotherap*[TIAB] OR “Methotrexate”[Mesh] OR methotrexate*[TIAB] OR “Ifosfamide”[Mesh] OR ifosfamide*[TIAB] OR “Cisplatin”[Mesh] OR cisplatin*[TIAB] OR “Doxorubicin”[Mesh] OR doxorubicin*[TIAB]	406,978
#04	(#1 OR #2) AND #3	9,523
#05	“Pregnancy”[Mesh] OR pregnancy[TIAB] OR “Fertility”[Mesh] OR fertility[TIAB] OR “Infertility”[Mesh] OR infertility[TIAB] OR “Fertility Preservation”[Mesh] OR childbirth*[TIAB]	946,046
#06	“Spermatozoa”[Mesh] OR spermatozoa[TIAB] OR sperm[TIAB] OR “Sperm Count”[Mesh] OR “Ovary”[Mesh] OR ovary[TIAB] OR “Testis”[Mesh] OR testis[TIAB] OR “Spermatogenesis”[Mesh] OR spermatogenesis[TIAB]	293,920
#07	#4 AND (#5 OR #6)	225
#08	#7 AND (recovery[TIAB] OR recovered[TIAB])	8
#09	#7 AND (“Meta-Analysis”[PT] OR “meta-analysis”[TIAB] OR “Cochrane Database Syst Rev”[TA] OR systematic review*[TIAB])	2
#10	#7 AND (“Guideline”[PT] OR “Guidelines as Topic”[MH] OR guideline*[TIAB])	3
#11	#7 AND (Review[PT] OR review[TI] OR overview[TI])	47
#12	#7 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	16
#13	#7 AND (“Epidemiologic Studies”[Mesh] OR “Multicenter Study”[PT] OR “Comparative Study”[PT])	48
#14	(#9 OR #10 OR #11 OR #12 OR #13) NOT #8	97
#15	#14 AND (English[LA] OR Japanese[LA])	89

No.	検索式	件数
#16	#4 AND (recovery[TIAB] OR recovered[TIAB])	188
#17	#16 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TIAB] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TIAB])	1
#18	#16 AND ("Guideline"[PT] OR "Guidelines as Topic"[MH] OR guideline*[TIAB])	1
#19	#16 AND (Review[PT] OR review[TI] OR overview[TI])	13
#20	#16 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	31
#21	#16 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR "Comparative Study"[PT])	40
#22	(#17 OR #18 OR #19 OR #20 OR #21) NOT (#8 OR #15)	69
#23	#22 AND (English[LA] OR Japanese[LA])	66
#24	"Sarcoma/therapy"[Mesh]	45,965
#25	(#24 OR #2) AND #3	14,767
#26	#25 AND (#5 OR #6)	377
#27	#26 AND (English[LA] OR Japanese[LA])	335
#28	#27 NOT (#8 OR #15 OR #23)	239
#29	#28 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TIAB] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TIAB])	1
#30	#28 AND ("Guideline"[PT] OR "Guidelines as Topic"[MH] OR guideline*[TIAB])	3
#31	#28 AND (Review[PT] OR review[TI] OR overview[TI])	41
#32	#28 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	2
#33	#28 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR "Comparative Study"[PT])	26
#34	#29 OR #30 OR #31 OR #32 OR #33	70
#35	#28 NOT #34	169

医中誌

検索日：2016 年 6 月 3 日（金）

No.	検索式	件数
#1	肉腫/TH or 肉腫/TA or 骨軟部腫瘍/TA	71,916
#2	化学療法/TA or Methotrexate/TH or methotrexate/TA or メトトレキサート/TA or Ifosfamide/TH or Ifosfamide/TA or イホスファミド/TA or Cisplatin/TH or cisplatin/TA or シスプラチン/TA or Doxorubicin/TH or doxorubicin/TA or ドキソルビシン/TA	174,251
#3	#1 and #2	6,548
#4	妊娠/TH or 妊娠/TA or 生殖能力/TH or 生殖能力/TA or 妊孕性温存/TH or 妊孕性/TA or 不妊症/TH or 不妊/TA or 出生/TA	179,896
#5	精子/TH or 精子/TA or 精子計数/TH or 卵巣/TH or 卵巣/TA or 精巣/TH or 精巣/TA or 睾丸/TA or 精子形成/TH	97,952
#6	#3 and (#4 or #5)	313
#7	#6 and (recover/TA or リカバー/TA or 回復/TA or 快復/TA)	5
#8	#6 and (PT= 総説)	1
#9	#6 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	6
#10	#6 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	7
#11	#8 or #9 or #10	12
#12	#11 not #8	12
#13	#6 and ((PT= 症例報告除く) AND (PT= 原著論文))	51
#14	#13 not (#7 or #12)	40

CQ4 骨盤悪性骨軟部腫瘍の治療後の妊娠・分娩は可能か？

PubMed

検索日：2016 年 6 月 4 日（土）

No.	検索式	件数
#01	"Sarcoma"[Mesh] OR sarcoma*[TIAB] OR osteosarcoma*[TIAB] OR chondrosarcoma*[TIAB]	162,998
#02	"Hemipelvectomy"[Mesh] OR hemipelvectomy*[TIAB] OR "Pelvis"[Mesh] OR pelvis[TIAB] OR pelvic[TIAB]	118,931
#03	sacrorectom*[TIAB] OR "Sacrum"[Mesh] OR sacrum[TIAB] OR sacral[TIAB]	19,811
#04	"Pregnancy"[Mesh] OR "Pregnancy Outcome"[Mesh] OR pregnancy*[TIAB]	846,188
#05	"Fertility Preservation"[Mesh] OR "Fertility"[Mesh] OR fertilit*[TIAB]	83,691
#06	#1 AND #2 AND #4	78
#07	#1 AND #2 AND #5	31

No.	検索式	件数
#08	#1 AND #3 AND #4	4
#09	#1 AND #3 AND #5	2
#10	#6 OR #7 OR #8 OR #9	97
#11	#10 AND (English[LA] OR Japanese[LA])	84
#12	#11 AND ("Meta-Analysis"[PT] OR "meta-analysis"[TIAB] OR "Cochrane Database Syst Rev"[TA] OR systematic review*[TIAB])	1
#13	#11 AND ("Guideline"[PT] OR "Guidelines as Topic"[MH] OR guideline*[TIAB])	3
#14	#11 AND (Review[PT] OR review[TI] OR overview[TI])	20
#15	#11 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	2
#16	#11 AND ("Epidemiologic Studies"[Mesh] OR "Multicenter Study"[PT] OR "Comparative Study"[PT])	18
#17	#12 OR #13 OR #14 OR #15 OR #16	36
#18	#11 NOT #17	48

医中誌

検索日：2016年6月4日（土）

No.	検索式	件数
#1	肉腫/TH or 肉腫/TA or 骨軟部腫瘍/TA	71,916
#2	片側骨盤離断術/TH or 骨盤/TH or 骨盤/TA	36,740
#3	仙椎/TH or 仙椎/TA or 仙骨/TA	9,956
#4	妊娠/TH or 妊娠転帰/TH or 妊娠/TA	125,820
#5	妊孕性温存/TH or 妊孕性/TA or 生殖能力/TH or 生殖能/TA	5,253
#6	#1 and #2 and #4	16
#7	#1 and #2 and #5	5
#8	#1 and #3 and #4	1
#9	#1 and #3 and #5	0
#10	#6 or #7 or #8	22
#11	#10 and (PT= 総説)	1
#12	#10 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	0
#13	#10 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	0
#14	#10 and (PT= 原著論文)	17
#15	#11 or #14	18
#16	#10 not #15	4

脳

CQ1 脳腫瘍患者の妊孕性温存療法にはどのような方法があるか？

CQ2 脳腫瘍患者が治療開始に先立ち妊孕性温存を希望した場合、妊孕性温存療法に伴う治療開始遅延は容認されるか？

CQ3 脳腫瘍患者が挙児を希望した場合、治療終了後いつから挙児または妊娠可能となるか？

次の検索式による結果からは該当文献はなく、ハンドサーチによった。

PubMed

#01	Brain Neoplasms/therapy[Mesh] OR (brain[TIAB] AND (cancer*[TIAB] OR neoplasm*[TIAB] OR carcinoma*[TIAB] OR adenocarcinoma*[TIAB]) AND (therapy[TIAB] OR therapeutic*[TIAB] OR treatment[TIAB] OR radiotherapy[TIAB] OR radiation[TIAB] OR chemotherap*[TIAB] OR pharmacotherap*[TIAB] OR surgery[TIAB] OR surgical[TIAB] OR operati*[TIAB] OR radiochemo*[TIAB] OR chemoradio*[TIAB]) NOT medline[SB])
#02	Fertility[Mesh] OR "Fertility Preservation"[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR fertility conserv*[TIAB]
#03	conservative surg*[TIAB] OR conservative treatment*[TIAB] OR conservative therap*[TIAB] OR conservative management*[TIAB] OR conservative operation*[TIAB] OR conserving surg*[TIAB] OR conserving treatment*[TIAB] OR conserving therap*[TIAB] OR conserving management*[TIAB] OR conserving operation*[TIAB] OR treated conservative*[TIAB] OR conservatively treat*[TIAB] OR preserving surg*[TIAB] OR preserving treatment*[TIAB] OR preserving management*[TIAB] OR preserving operation*[TIAB] OR ovarian preserv*[TIAB] OR ovaries preserv*[TIAB] OR ovary preserv*[TIAB] OR preserve childbear*[TIAB]

消化器

CQ1 どのような消化器がん患者が妊孕性温存療法の適応となるか？

PubMed

検索日：2016 年 5 月 19 日（木）

No.	検索式	件数
#1	"Gastrointestinal Neoplasms"[Mesh] OR (("gastrointestinal cancer"[TIAB] OR gastrointestinal neoplasm*[TIAB] OR gastrointestinal carcinoma*[TIAB]) NOT medline[SB])	313,021
#2	"Esophageal Neoplasms"[Mesh] OR ((esophageal cancer*[TIAB] OR esophageal neoplasm*[TIAB] OR esophageal carcinoma*[TIAB]) NOT medline[SB])	43,703
#3	"Stomach Neoplasms"[Mesh] OR ((stomach cancer*[TIAB] OR stomach neoplasm*[TIAB] OR stomach carcinoma*[TIAB] OR gastric cancer*[TIAB] OR gastric neoplasm*[TIAB] OR gastric carcinoma*[TIAB]) NOT medline[SB])	87,277
#4	"Colorectal Neoplasms"[Mesh] OR ((colorectal cancer*[TIAB] OR colorectal neoplasm*[TIAB] OR colorectal carcinoma*[TIAB] OR colon cancer*[TIAB] OR colon neoplasm*[TIAB] OR colon carcinoma*[TIAB] OR colonic cancer*[TIAB] OR colonic neoplasm*[TIAB] OR colonic carcinoma*[TIAB] OR rectal cancer*[TIAB] OR rectal neoplasm*[TIAB] OR rectal carcinoma*[TIAB]) NOT medline[SB])	177,422
#5	"Intestinal Neoplasms"[Mesh] OR ((small intestine cancer*[TIAB] OR small intestine neoplasm*[TIAB] OR small intestine carcinoma*[TIAB] OR small intestinal cancer*[TIAB] OR small intestinal neoplasm*[TIAB] OR small intestinal carcinoma*[TIAB] OR appendiceal cancer*[TIAB] OR appendiceal neoplasm*[TIAB] OR appendiceal carcinoma*[TIAB] OR cecal cancer*[TIAB] OR cecal neoplasm*[TIAB] OR cecal carcinoma*[TIAB] OR ileal cancer*[TIAB] OR ileal neoplasm*[TIAB] OR ileal carcinoma*[TIAB] OR jejunal cancer*[TIAB] OR jejunal neoplasm*[TIAB] OR jejunal carcinoma*[TIAB] OR duodenal cancer*[TIAB] OR duodenal neoplasm*[TIAB] OR duodenal carcinoma*[TIAB]) NOT medline[SB])	186,227
#6	"Liver Neoplasms"[Mesh] OR ((liver cancer*[TIAB] OR liver neoplasm*[TIAB] OR hepatic cancer*[TIAB] OR hepatic neoplasm*[TIAB] OR hepatoma*[TIAB] OR hepatocellular cancer*[TIAB] OR hepatocellular carcinoma*[TIAB]) NOT medline[SB])	147,521
#7	"Pancreatic Neoplasms"[Mesh] OR ((pancreatic cancer*[TIAB] OR pancreatic neoplasm*[TIAB] OR pancreatic carcinoma*[TIAB]) NOT medline[SB])	64,764
#8	"Biliary Tract Neoplasms"[Mesh] OR ((bile duct cancer*[TIAB] OR bile duct neoplasm*[TIAB] OR bile duct carcinoma*[TIAB] OR biliary tract cancer*[TIAB] OR biliary tract neoplasm*[TIAB] OR biliary tract carcinoma*[TIAB] OR gallbladder cancer*[TIAB] OR gallbladder neoplasm*[TIAB] OR gallbladder carcinoma*[TIAB] OR gall bladder cancer*[TIAB] OR gall bladder neoplasm*[TIAB] OR gall bladder carcinoma*[TIAB]) NOT medline[SB])	24,516
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8	535,683
#10	"Fertility Preservation"[Mesh] OR "Fertility"[Mesh] OR ((fertilit*[TIAB] OR fecundit*[TIAB]) NOT medline[SB])	42,863
#11	"Infertility"[Mesh] OR ((infertilit*[TIAB] OR aspermia*[TIAB] OR asthenozoospermia*[TIAB] OR azoospermia*[TIAB] OR oligospermia*[TIAB]) NOT medline[SB])	61,751
#12	"Menopause"[Mesh] OR (menopaus*[TIAB] NOT medline[SB])	53,123
#13	"Semen Preservation"[Mesh] OR "Spermatozoa"[Mesh] OR "Sperm Banks"[Mesh] OR "Ovum"[Mesh] OR "Cryopreservation"[Mesh] OR ((sperm cryopreservation*[TIAB] OR testicular tissue cryopreservation*[TIAB] OR oocyte cryopreservation*[TIAB] OR ovarian tissue cryopreservation*[TIAB] OR ovarian cryopreservation*[TIAB]) NOT medline[SB]) OR ((sperm[TIAB] OR sperms[TIAB] OR ovarian*[TIAB] OR ovary[TIAB] OR oocyte*[TIAB] OR ovum[TIAB]) AND (preservation*[TIAB] OR cryopreservation*[TIAB] OR bank[TIAB] OR banking*[TIAB]) NOT medline[SB])	153,006
#14	#9 AND (#10 OR #11 OR #12 OR #13)	891
#15	#14 AND (English[LA] OR Japanese[LA])	823
#16	#15 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	115
#17	#15 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	81
#18	#17 NOT #16	64
#19	#15 AND ("Epidemiologic Studies"[Mesh] OR "Comparative Study"[PT] OR "Multicenter Study"[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB] OR follow-up stud*[TIAB]) NOT medline[SB]))	274
#20	#19 NOT (#16 OR #18)	230
#21	#20 AND ("Survivors"[Mesh] OR survivor*[TIAB] OR "Young Adult"[Mesh] OR young*[TIAB])	20

医中誌

検索日：2016 年 5 月 19 日（木）

No.	検索式	件数
#1	胃腸腫瘍/TH or 胃腸腫瘍/TA or 胃腸がん/TA or 胃腸ガン/TA or 胃腸癌/TA or 胃腸新生物/TA or 消化器腫瘍/TA or 消化器がん/TA or 消化器ガン/TA or 消化器癌/TA or 消化器新生物/TA or 消化管腫瘍/TA or 消化管がん/TA or 消化管ガン/TA or 消化管癌/TA or 消化管新生物/TA	402,271

No.	検索式	件数
#2	食道腫瘍/TH or 食道腫瘍/TA or 食道がん/TA or 食道ガン/TA or 食道癌/TA or 食道新生物/TA	71,571
#3	胃腫瘍/TH or 胃腫瘍/TA or 胃癌/TA or 胃がん/TA or 胃ガン/TA or 胃新生物/TA	167,415
#4	大腸腫瘍/TH or 大腸腫瘍/TA or 大腸癌/TA or 大腸がん/TA or 大腸ガン/TA or 大腸新生物/TA or 結腸がん/TA or 結腸ガン/TA or 結腸癌/TA or 結腸腫瘍/TA or 直腸がん/TA or 直腸ガン/TA or 直腸癌/TA or 直腸腫瘍/TA or 盲腸がん/TA or 盲腸ガン/TA or 盲腸癌/TA or 盲腸腫瘍/TA or 虫垂がん/TA or 虫垂ガン/TA or 虫垂癌/TA or 虫垂腫瘍/TA	175,954
#5	小腸腫瘍/TH or 小腸腫瘍/TA or 小腸癌/TA or 小腸がん/TA or 小腸ガン/TA or 小腸新生物/TA or 回腸腫瘍/TA or 回腸癌/TA or 回腸がん/TA or 回腸ガン/TA or 回腸新生物/TA or 空腸腫瘍/TA or 空腸癌/TA or 空腸がん/TA or 空腸ガン/TA or 空腸新生物/TA or 十二指腸腫瘍/TA or 十二指腸癌/TA or 十二指腸がん/TA or 十二指腸ガン/TA or 十二指腸新生物/TA	22,649
#6	肝臓腫瘍/TH or 肝臓腫瘍/TA or 肝臓がん/TA or 肝臓ガン/TA or 肝臓癌/TA or 肝臓新生物/TA or 肝がん/TA or 肝ガン/TA or 肝悪性腫瘍/TA or 肝癌/TA or 肝腫瘍/TA or 肝新生物/TA or 肝細胞癌/TA or 肝細胞がん/TA 肝細胞ガン/TA	49,366
#7	膵臓腫瘍/TH or 膵臓腫瘍/TA or 膵臓がん/TA or 膵臓ガン/TA or 膵臓癌/TA or 膵臓新生物/TA or 膵がん/TA or 膵ガン/TA or 膵悪性腫瘍/TA or 膵癌/TA or 膵腫瘍/TA or 膵新生物/TA	72,661
#8	胆道腫瘍/TH or 胆道腫瘍/TA or 胆道がん/TA or 胆道ガン/TA or 胆道悪性腫瘍/TA or 胆道癌/TA or 胆道新生物/TA or 胆管腫瘍/TA or 胆管がん/TA or 胆管ガン/TA or 胆管癌/TA or 胆管新生物/TA or 胆嚢腫瘍/TA or 胆嚢がん/TA or 胆嚢ガン/TA or 胆嚢癌/TA or 胆嚢新生物/TA or 胆のう腫瘍/TA or 胆のうがん/TA or 胆のうガン/TA or 胆のう癌/TA or 胆のう新生物/TA	52,166
#9	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8	585,453
#10	妊孕性温存/TH or 妊孕性/TH or 妊孕性/TA or 妊よう性/TA or 生殖能力/TH or 生殖能力/TA or 受精能/TA or 受胎能/TA	5,643
#11	不妊症/TH or 不妊/TA or 生殖不能/TA or 精子無力症/TA or 乏精子症/TA or 無精液症/TA or 無精子症/TA	24,186
#12	閉経/TH or 閉経/TA or 月経閉止/TA	11,409
#13	精液保存/TH or 精液保存/TA or 精子保存/TA or 凍結精液/TA or 凍結精子/TA or 精子/TH or 精子銀行/TH or 精子銀行/TA or 精子バンク/TA or 卵/TH or 卵祖細胞/TA or 卵母細胞/TA or 卵細胞/TA or 卵子/TA or 凍結保存/TH or 凍結保存/TA or 卵巣保存/TA or 精子凍結保存/AL or 精巣凍結保存/AL or 精巣組織凍結保存/AL or 卵子凍結保存/AL or 卵巣凍結保存/AL or 卵巣組織凍結保存/AL	3,471
#14	#9 and (#10 or #11 or #12 or #13)	135
#15	#14 and (PT= 総説)	7
#16	#14 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	7
#17	#14 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	14
#18	#15 or #16 or #17	22
#19	#14 and ((PT= 症例報告除く) AND (PT= 原著論文))	32
#20	#19 not #18	23
#21	#14 not (#18 or #20)	90

CQ2 消化器がん患者の妊孕性温存に際し、どのような説明をすべきか？

PubMed

検索日：2016 年 7 月 16 日（土）

No.	検索式	件数
#1	“Neoplastic Syndromes, Hereditary”[Mesh] AND “Gastrointestinal Neoplasms”[Mesh]	10,972
#2	“Gastrointestinal Neoplasms/genetics”[Mesh]	42,481
#3	hereditary gastrointestinal cancer*[TIAB]	22
#4	“Colorectal Neoplasms, Hereditary Nonpolyposis”[Mesh] OR “hereditary nonpolyposis colorectal cancer”[TIAB] OR “hereditary non-polyposis colorectal cancer”[TIAB] OR hereditary non-polyposis colorectal neoplasm*[TIAB] OR Lynch syndrome*[TIAB]	5,212
#5	“Adenomatous Polyposis Coli”[Mesh] OR adenomatous polyposis coli*[TIAB] OR familial adenomatous polypos*[TIAB]	8,691
#6	(hereditary diffuse gastric*[TIAB] AND (cancer[TIAB] OR carcinoma[TIAB] OR adenocarcinoma[TIAB] OR neoplasm*[TIAB])) OR HDGC[TIAB] OR ((diffuse gastric cancer*[TIAB] OR diffuse-type gastric cancer*[TIAB]) AND (hereditary*[TIAB] OR “Stomach Neoplasms/genetics”[Mesh]))	412
#7	“Juvenile polyposis syndrome” [Supplementary Concept] OR juvenile polyposis syndrome*[TIAB]	190
#8	“Li-Fraumeni Syndrome”[Mesh] OR Li-Fraumeni syndrome*[TIAB]	976
#9	PTEN Hamartoma Tumor Syndrome*[TIAB] OR PHTS[TIAB]	171
#10	“Peutz-Jeghers Syndrome”[Mesh] OR Peutz-Jeghers syndrome*[TIAB]	2,186
#11	MUTYH-associated polyposis*[TIAB] OR MUTYH-associated adenomatous polyposis*[TIAB]	143
#12	Polymerase proofreading-associated polyposis*[TIAB]	8
#13	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12	53,137
#14	“Fertility”[Mesh] OR “Fertility Preservation”[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR fertility conserv*[TIAB]	37,953

No.	検索式	件数
#15	#13 AND #14	19
#16	#15 AND (English[LA] OR Japanese[LA])	19
#17	“Pregnancy”[Mesh] OR “Pregnancy Outcome”[Mesh] OR “Pregnancy Rate”[Mesh] OR (pregnan*[TIAB] NOT medline[SB])	828,755
#18	#13 AND #17	212
#19	#18 NOT #16	207
#20	#19 AND (English[LA] OR Japanese[LA])	183
#21	#20 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI]) NOT PubMed books[filter]	20
#22	#20 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	2
#23	#20 AND (“Epidemiologic Studies”[Mesh] OR “Comparative Study”[PT] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB] OR follow-up stud*[TIAB] OR female sexual function index*[TIAB]) NOT medline[SB]))	37
#24	(#22 OR #23) NOT #21	35

医中誌

検索日：2016 年 7 月 16 日（土）

No.	検索式	件数
#1	腫瘍症候群-遺伝性/TH and 胃腸腫瘍/TH	4,982
#2	胃腸腫瘍/TH and (SH= 遺伝学)	11,609
#3	大腸腫瘍-遺伝性非ポリポーシス/TH or 遺伝性非ポリポーシス大腸腫瘍/TA or 遺伝性非ポリリープ症結腸直腸腫瘍/TA or 遺伝性非ポリポーシス結腸直腸腫瘍/TA or 遺伝性非ポリポーシス性大腸がん/TA or 遺伝性非ポリポーシス性大腸ガン/TA or 遺伝性非ポリポーシス性大腸癌/TA or 遺伝性非ポリポーシス大腸がん/TA or 遺伝性非ポリポーシス大腸ガン/TA or 遺伝性非ポリポーシス大腸癌/TA or 遺伝性非ポリポーシス性大腸がん/TA or 遺伝性非ポリポーシス性大腸ガン/TA or 遺伝性非ポリポーシス性大腸癌/TA or 遺伝性非ポリポーシス大腸がん/TA or 遺伝性非ポリポーシス大腸ガン/TA or 遺伝性非ポリポーシス大腸癌/TA or Lynch 症候群/TA or リンチ症候群/TA	1,687
#4	大腸ポリポーシス-腺腫様/TH or 腺腫様大腸ポリポーシス/TA or 家族性大腸ポリポーシス/TA or 家族性大腸腺腫症/TA or 家族性ポリポーシス症候群/TA or 家族性結腸ポリポーシス/TA or 家族性結腸ポリポシス/TA or 家族性結腸腺腫症/TA or 家族性腺腫性結腸ポリポーシス/TA or 家族性腺腫様ポリポーシス/TA or 家族性大腸ポリポーシス/TA or 大腸家族性ポリポーシス/TA	3,320
#5	遺伝性びまん性胃癌/TA or 遺伝的びまん性胃癌/TA or 遺伝性びまん性胃癌/TA or 遺伝的びまん性胃癌/TA	15
#6	(胃腫瘍/TH and (SH= 遺伝学) or (胃腫瘍/TH and 遺伝/TA)) and (びまん性/TA or びまん性/TA)	58
#7	若年性ポリポーシス/TH or 若年性ポリポーシス/TA or 若年性胃ポリポーシス/TA or 若年性結腸ポリポーシス/TA or 若年性腸ポリリープ症/TA or 若年性腸ポリポーシス/TA or 乳児若年性ポリポーシス/TA	181
#8	Li-Fraumeni 症候群/TH or Li-Fraumeni 症候群/TA or リー-フローメニ症候群/TA or リ・フラウメニ症候群/TA	219
#9	過誤腫症候群-多発性/TH or 多発性過誤腫症候群/TA or Cowden 病/TA or カウデン病/TA or カウデン症候群/TA or コーデン症候群/TA or コーデン病/TA or PHTS/TA	626
#10	Peutz-Jeghers 症候群/TH or Peutz-Jeghers 症候群/TA or ボイツ-ジェガース症候群/TA or ボイツ症候群/TA or ボイツ・イエガース症候群/TA or ボイツ・イエガー症候群/TA or ボイツ・イエーガー症候群/TA or ボイツ・ジェガース症候群/TA	1,526
#11	“MUTYH-associated polyposis”/TA or MUTYH 遺伝子関連ポリポーシス/TA or MUTYH 関連ポリポーシス/TA	10
#12	“Polymerase proofreading-associated polyposis”/TA or ポリメラーゼ校正関連ポリポーシス/TA or ポリメラーゼ校正関連大腸ポリポーシス/TA	2
#13	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12	18,729
#14	妊娠/TH or 妊娠/TA or 妊孕性温存/TH or 生殖能力/TH or 妊孕性/TA or 生殖能力/TA or 受精能/TA or 受胎能/TA or 保存的/TA	156,525
#15	#13 and #14	40
#16	#15 and (PT= 総説)	0
#17	#16 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	0
#18	#15 and (研究デザイン/TH or 疫学の研究デザイン/TH or 疫学研究特性/TH or ガイドライン/TH)	0
#19	#15 and (メタアナリシス/TA or システマティックレビュー/TA or システマティック・レビュー/TA or ガイドライン/TA or 臨床試験/TA or 比較試験/TA or ランダム/TA or 無作為/TA or コホート/TA or 比較対照/TA)	0
#20	#15 and (PT= 原著論文)	27
#21	#15 not #20	13

CQ3 消化器がん患者の妊孕性温存療法にはどのような方法があるか？

PubMed

検索日：2016 年 6 月 16 日（木）

No.	検索式	件数
#1	"Gastrointestinal Neoplasms"[Mesh] OR (("gastrointestinal cancer"[TIAB] OR gastrointestinal neoplasm*[TIAB] OR gastrointestinal carcinoma*[TIAB]) NOT medline[SB])	314,182
#2	"Esophageal Neoplasms"[Mesh] OR ((esophageal cancer*[TIAB] OR esophageal neoplasm*[TIAB] OR esophageal carcinoma*[TIAB]) NOT medline[SB])	43,853
#3	"Stomach Neoplasms"[Mesh] OR ((stomach cancer*[TIAB] OR stomach neoplasm*[TIAB] OR stomach carcinoma*[TIAB] OR gastric cancer*[TIAB] OR gastric neoplasm*[TIAB] OR gastric carcinoma*[TIAB]) NOT medline[SB])	87,597
#4	"Colorectal Neoplasms"[Mesh] OR ((colorectal cancer*[TIAB] OR colorectal neoplasm*[TIAB] OR colorectal carcinoma*[TIAB] OR colon cancer*[TIAB] OR colon neoplasm*[TIAB] OR colon carcinoma*[TIAB] OR colonic cancer*[TIAB] OR colonic neoplasm*[TIAB] OR colonic carcinoma*[TIAB] OR rectal cancer*[TIAB] OR rectal neoplasm*[TIAB] OR rectal carcinoma*[TIAB]) NOT medline[SB])	178,282
#5	"Intestinal Neoplasms"[Mesh] OR ((small intestine cancer*[TIAB] OR small intestine neoplasm*[TIAB] OR small intestine carcinoma*[TIAB] OR small intestinal cancer*[TIAB] OR small intestinal neoplasm*[TIAB] OR small intestinal carcinoma*[TIAB] OR appendiceal cancer*[TIAB] OR appendiceal neoplasm*[TIAB] OR appendiceal carcinoma*[TIAB] OR cecal cancer*[TIAB] OR cecal neoplasm*[TIAB] OR cecal carcinoma*[TIAB] OR ileal cancer*[TIAB] OR ileal neoplasm*[TIAB] OR ileal carcinoma*[TIAB] OR jejunal cancer*[TIAB] OR jejunal neoplasm*[TIAB] OR jejunal carcinoma*[TIAB] OR duodenal cancer*[TIAB] OR duodenal neoplasm*[TIAB] OR duodenal carcinoma*[TIAB]) NOT medline[SB])	186,951
#6	"Liver Neoplasms"[Mesh] OR ((liver cancer*[TIAB] OR liver neoplasm*[TIAB] OR hepatic cancer*[TIAB] OR hepatic neoplasm*[TIAB] OR hepatoma*[TIAB] OR hepatocellular cancer*[TIAB] OR hepatocellular carcinoma*[TIAB]) NOT medline[SB])	148,166
#7	"Pancreatic Neoplasms"[Mesh] OR ((pancreatic cancer*[TIAB] OR pancreatic neoplasm*[TIAB] OR pancreatic carcinoma*[TIAB]) NOT medline[SB])	65,077
#8	"Biliary Tract Neoplasms"[Mesh] OR ((bile duct cancer*[TIAB] OR bile duct neoplasm*[TIAB] OR bile duct carcinoma*[TIAB] OR biliary tract cancer*[TIAB] OR biliary tract neoplasm*[TIAB] OR biliary tract carcinoma*[TIAB] OR gallbladder cancer*[TIAB] OR gallbladder neoplasm*[TIAB] OR gallbladder carcinoma*[TIAB] OR gall bladder cancer*[TIAB] OR gall bladder neoplasm*[TIAB] OR gall bladder carcinoma*[TIAB]) NOT medline[SB])	24,623
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8	538,012
#10	"Fertility Preservation"[Mesh] OR "Fertility"[Mesh] OR ((fertilit*[TIAB] OR fecundit*[TIAB]) NOT medline[SB])	43,079
#11	"Infertility"[Mesh] OR ((infertilit*[TIAB] OR aspermia*[TIAB] OR asthenozoospermia*[TIAB] OR azoospermia*[TIAB] OR oligospermia*[TIAB]) NOT medline[SB])	61,931
#12	"Menopause"[Mesh] OR (menopaus*[TIAB] NOT medline[SB])	53,313
#13	"Semen Preservation"[Mesh] OR "Spermatozoa"[Mesh] OR "Sperm Banks"[Mesh] OR "Ovum"[Mesh] OR "Cryopreservation"[Mesh] OR ((sperm cryopreservation*[TIAB] OR testicular tissue cryopreservation*[TIAB] OR oocyte cryopreservation*[TIAB] OR ovarian tissue cryopreservation*[TIAB] OR ovarian cryopreservation*[TIAB]) NOT medline[SB]) OR ((sperm*[TIAB] OR sperms*[TIAB] OR ovarian*[TIAB] OR ovary[TIAB] OR oocyte*[TIAB] OR ovum[TIAB]) AND (preservation*[TIAB] OR cryopreservation*[TIAB] OR bank[TIAB] OR banking*[TIAB]) NOT medline[SB])	153,424
#14	#9 AND (#10 OR #11 OR #12 OR #13)	892
#15	#14 AND (English[LA] OR Japanese[LA])	824
#16	#15 AND (Review[PT] OR "Meta-Analysis"[PT] OR "meta-analysis"[TI] OR "Cochrane Database Syst Rev"[TA] OR review[TI] OR "Practice Guideline"[PT] OR "Practice Guidelines as Topic"[MH] OR guideline*[TI] OR overview[TI])	115
#17	#15 AND ("Clinical Trial"[PT] OR "Clinical Trials as Topic"[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	81
#18	#17 NOT #16	64
#19	#15 AND ("Survivors"[Mesh] OR survivor*[TIAB] OR "Young Adult"[Mesh] OR young*[TIAB])	72
#20	#15 AND ("Fluorouracil"[Mesh] OR fluorouracil[TIAB] OR "oxaliplatin"[Supplementary Concept] OR oxaliplatin*[TIAB] OR "irinotecan"[Supplementary Concept] OR irinotecan[TIAB] OR "Capecitabine"[Mesh] OR capecitabine[TIAB] OR "S 1 (combination)"[Supplementary Concept] OR s-1[TIAB] OR "gemcitabine"[Supplementary Concept] OR gemcitabine[TIAB] OR "Cisplatin"[Mesh] OR cisplatin[TIAB] OR "Paclitaxel"[Mesh] OR paclitaxel[TIAB] OR "docetaxel"[Supplementary Concept] OR docetaxel[TIAB] OR "Trastuzumab"[Mesh] OR trastuzumab[TIAB] OR "Bevacizumab"[Mesh] OR bevacizumab[TIAB])	25
#21	(#19 OR #20) NOT (#16 OR #18)	60

PubMed での検索では、上記の検索の後、妊孕性に関するものをさらに抽出した。

医中誌

検索日：2016 年 6 月 16 日（木）

No.	検索式	件数
#1	胃腸腫瘍/TH or 胃腸腫瘍/TA or 胃腸がん/TA or 胃腸ガン/TA or 胃腸癌/TA or 胃腸新生物/TA or 消化器腫瘍/TA or 消化器がん/TA or 消化器ガン/TA or 消化器癌/TA or 消化器新生物/TA or 消化管腫瘍/TA or 消化管がん/TA or 消化管ガン/TA or 消化管癌/TA or 消化管新生物/TA	403,407
#2	食道腫瘍/TH or 食道腫瘍/TA or 食道がん/TA or 食道ガン/TA or 食道癌/TA or 食道新生物/TA	71,673
#3	胃腫瘍/TH or 胃腫瘍/TA or 胃癌/TA or 胃がん/TA or 胃ガン/TA or 胃新生物/TA	167,732
#4	大腸腫瘍/TH or 大腸腫瘍/TA or 大腸癌/TA or 大腸がん/TA or 大腸ガン/TA or 大腸新生物/TA or 結腸がん/TA or 結腸ガン/TA or 結腸癌/TA or 結腸腫瘍/TA or 直腸がん/TA or 直腸ガン/TA or 直腸癌/TA or 直腸腫瘍/TA or 盲腸がん/TA or 盲腸ガン/TA or 盲腸癌/TA or 盲腸腫瘍/TA or 虫垂がん/TA or 虫垂ガン/TA or 虫垂癌/TA or 虫垂腫瘍/TA	176,329
#5	小腸腫瘍/TH or 小腸腫瘍/TA or 小腸癌/TA or 小腸がん/TA or 小腸ガン/TA or 小腸新生物/TA or 回腸腫瘍/TA or 回腸癌/TA or 回腸がん/TA or 回腸ガン/TA or 回腸新生物/TA or 空腸腫瘍/TA or 空腸がん/TA or 空腸ガン/TA or 空腸新生物/TA or 十二指腸腫瘍/TA or 十二指腸癌/TA or 十二指腸がん/TA or 十二指腸ガン/TA or 十二指腸新生物/TA	22,715
#6	肝臓腫瘍/TH or 肝臓腫瘍/TA or 肝臓がん/TA or 肝臓ガン/TA or 肝臓癌/TA or 肝臓新生物/TA or 肝がん/TA or 肝ガン/TA or 肝悪性腫瘍/TA or 肝癌/TA or 肝腫瘍/TA or 肝新生物/TA or 肝細胞癌/TA or 肝細胞がん/TA 肝細胞ガン/TA	49,417
#7	膵臓腫瘍/TH or 膵臓腫瘍/TA or 膵臓がん/TA or 膵臓ガン/TA or 膵臓癌/TA or 膵臓新生物/TA or 膵がん/TA or 膵ガン/TA or 膵悪性腫瘍/TA or 膵癌/TA or 膵腫瘍/TA or 膵新生物/TA	72,902
#8	胆道腫瘍/TH or 胆道腫瘍/TA or 胆道がん/TA or 胆道ガン/TA or 胆道悪性腫瘍/TA or 胆道癌/TA or 胆道新生物/TA or 胆管腫瘍/TA or 胆管がん/TA or 胆管ガン/TA or 胆管癌/TA or 胆管新生物/TA or 胆嚢腫瘍/TA or 胆嚢がん/TA or 胆嚢ガン/TA or 胆嚢癌/TA or 胆嚢新生物/TA or 胆のう腫瘍/TA or 胆のうがん/TA or 胆のうガン/TA or 胆のう癌/TA or 胆のう新生物/TA	52,298
#9	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8	586,613
#10	妊孕性温存/TH or 妊孕性/TH or 妊孕性/TA or 妊よう性/TA or 生殖能力/TH or 生殖能力/TA or 受精能/TA or 受胎能/TA	5,700
#11	不妊症/TH or 不妊/TA or 生殖不能/TA or 精子無力症/TA or 乏精子症/TA or 無精液症/TA or 無精子症/TA	24,371
#12	閉経/TH or 閉経/TA or 月経閉止/TA	11,467
#13	精液保存/TH or 精液保存/TA or 精子保存/TA or 凍結精液/TA or 凍結精子/TA or 精子/TH or 精子銀行/TH or 精子銀行/TA or 精子バンク/TA or 卵/TH or 卵祖細胞/TA or 卵母細胞/TA or 卵細胞/TA or 卵子/TA or 凍結保存/TH or 凍結保存/TA or 卵巣保存/TA or 精子凍結保存/AL or 精巣凍結保存/AL or 精巣組織凍結保存/AL or 卵子凍結保存/AL or 卵巣凍結保存/AL or 卵巣組織凍結保存/AL	3,498
#14	#9 and (#10 or #11 or #12 or #13)	136
#15	#14 and (PT= 総説)	8
#16	#14 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	7
#17	#14 and (ガイドライン/TH or 研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	17
#18	#15 or #16 or #17	26
#19	#14 and ((PT= 症例報告除く) AND (PT= 原著論文)) and (CK= ヒト)	25
#20	#19 not #18	16
#21	(#14 and (CK= ヒト)) not (#18 or #20)	85

医学中央雑誌での検索では、消化器領域での妊孕性温存に関する論文はなかった。

CQ4 消化器がん患者が挙児を希望した場合、治療終了後いつから妊娠可能な時期となるか？

PubMed

検索日：2016 年 5 月 21 日（土）

No.	検索式	件数
#1	"Gastrointestinal Neoplasms"[Mesh] OR (("gastrointestinal cancer"[TIAB] OR gastrointestinal neoplasm*[TIAB] OR gastrointestinal carcinoma*[TIAB]) NOT medline[SB])	313,122
#2	"Esophageal Neoplasms"[Mesh] OR ((esophageal cancer*[TIAB] OR esophageal neoplasm*[TIAB] OR esophageal carcinoma*[TIAB]) NOT medline[SB])	43,716
#3	"Stomach Neoplasms"[Mesh] OR ((stomach cancer*[TIAB] OR stomach neoplasm*[TIAB] OR stomach carcinoma*[TIAB] OR gastric cancer*[TIAB] OR gastric neoplasm*[TIAB] OR gastric carcinoma*[TIAB]) NOT medline[SB])	87,291
#4	"Colorectal Neoplasms"[Mesh] OR ((colorectal cancer*[TIAB] OR colorectal neoplasm*[TIAB] OR colorectal carcinoma*[TIAB] OR colon cancer*[TIAB] OR colon neoplasm*[TIAB] OR colon carcinoma*[TIAB] OR colonic cancer*[TIAB] OR colonic neoplasm*[TIAB] OR colonic carcinoma*[TIAB] OR rectal cancer*[TIAB] OR rectal neoplasm*[TIAB] OR rectal carcinoma*[TIAB]) NOT medline[SB])	177,488

No.	検索式	件数
#5	“Intestinal Neoplasms”[Mesh] OR ((small intestine cancer*[TIAB] OR small intestine neoplasm*[TIAB] OR small intestine carcinoma*[TIAB] OR small intestinal cancer*[TIAB] OR small intestinal neoplasm*[TIAB] OR small intestinal carcinoma*[TIAB] OR appendiceal cancer*[TIAB] OR appendiceal neoplasm*[TIAB] OR appendiceal carcinoma*[TIAB] OR cecal cancer*[TIAB] OR cecal neoplasm*[TIAB] OR cecal carcinoma*[TIAB] OR ileal cancer*[TIAB] OR ileal neoplasm*[TIAB] OR ileal carcinoma*[TIAB] OR jejunal cancer*[TIAB] OR jejunal neoplasm*[TIAB] OR jejunal carcinoma*[TIAB] OR duodenal cancer*[TIAB] OR duodenal neoplasm*[TIAB] OR duodenal carcinoma*[TIAB]) NOT medline[SB])	186,302
#6	“Liver Neoplasms”[Mesh] OR ((liver cancer*[TIAB] OR liver neoplasm*[TIAB] OR hepatic cancer*[TIAB] OR hepatic neoplasm*[TIAB] OR hepatoma*[TIAB] OR hepatocellular cancer*[TIAB] OR hepatocellular carcinoma*[TIAB]) NOT medline[SB])	147,572
#7	“Pancreatic Neoplasms”[Mesh] OR ((pancreatic cancer*[TIAB] OR pancreatic neoplasm*[TIAB] OR pancreatic carcinoma*[TIAB]) NOT medline[SB])	64,775
#8	“Biliary Tract Neoplasms”[Mesh] OR ((bile duct cancer*[TIAB] OR bile duct neoplasm*[TIAB] OR bile duct carcinoma*[TIAB] OR biliary tract cancer*[TIAB] OR biliary tract neoplasm*[TIAB] OR biliary tract carcinoma*[TIAB] OR gallbladder cancer*[TIAB] OR gallbladder neoplasm*[TIAB] OR gallbladder carcinoma*[TIAB] OR gall bladder cancer*[TIAB] OR gall bladder neoplasm*[TIAB] OR gall bladder carcinoma*[TIAB]) NOT medline[SB])	24,520
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8	535,832
#10	“Fertility Preservation”[Mesh] OR fertility sparing*[TIAB] OR fertility preserv*[TIAB] OR fertility outcome*[TIAB] OR preserve fertilit*[TIAB] OR conservative surg*[TIAB] OR conservative treatment*[TIAB] OR conservative management*[TIAB] OR conservative operation*[TIAB] OR treated conservative*[TIAB]	50,253
#11	#9 AND #10	1,501
#12	“Fertility”[Mesh] OR “Pregnancy”[Mesh] OR “Pregnancy Outcome”[Mesh] OR pregnanc*[TI] OR fertilit*[TI]	827,377
#13	#11 AND #12	32
#14	#13 AND (allowance*[TIAB] OR permission*[TIAB])	0
#15	#13 AND (English[LA] OR Japanese[LA])	31
#16	#15 AND (Review[PT] OR “Meta-Analysis”[PT] OR “meta-analysis”[TI] OR “Cochrane Database Syst Rev”[TA] OR review[TI] OR “Practice Guideline”[PT] OR “Practice Guidelines as Topic”[MH] OR guideline*[TI] OR overview[TI])	6
#17	#15 AND (“Clinical Trial”[PT] OR “Clinical Trials as Topic”[MH] OR ((clinical trial*[TIAB] OR random*[TIAB]) NOT medline[SB]))	0
#18	#15 AND (“Epidemiologic Studies”[Mesh] OR “Comparative Study”[PT] OR “Multicenter Study”[PT] OR ((cohort stud*[TIAB] OR comparative stud*[TIAB] OR follow-up stud*[TIAB]) NOT medline[SB]))	6
#19	#16 OR #18	11
#20	#15 NOT #19	20

医中誌

検索日：2016年5月21日（土）

No	検索式	件数
#1	胃腸腫瘍/TH or 胃腸腫瘍/TA or 胃癌/TA or 胃癌ガン/TA or 胃癌/TA or 胃腸新生物/TA or 消化器腫瘍/TA or 消化器がん/TA or 消化器ガン/TA or 消化器癌/TA or 消化器新生物/TA or 消化管腫瘍/TA or 消化管がん/TA or 消化管ガン/TA or 消化管癌/TA or 消化管新生物/TA	402,271
#2	食道腫瘍/TH or 食道腫瘍/TA or 食道がん/TA or 食道ガン/TA or 食道癌/TA or 食道新生物/TA	71,571
#3	胃腫瘍/TH or 胃腫瘍/TA or 胃癌/TA or 胃癌/TA or 胃癌ガン/TA or 胃新生物/TA	167,415
#4	大腸腫瘍/TH or 大腸腫瘍/TA or 大腸癌/TA or 大腸がん/TA or 大腸ガン/TA or 大腸新生物/TA or 結腸がん/TA or 結腸ガン/TA or 結腸癌/TA or 結腸腫瘍/TA or 直腸がん/TA or 直腸ガン/TA or 直腸癌/TA or 直腸腫瘍/TA or 盲腸がん/TA or 盲腸ガン/TA or 盲腸癌/TA or 盲腸腫瘍/TA or 虫垂がん/TA or 虫垂ガン/TA or 虫垂癌/TA or 虫垂腫瘍/TA	175,954
#5	小腸腫瘍/TH or 小腸腫瘍/TA or 小腸癌/TA or 小腸がん/TA or 小腸ガン/TA or 小腸新生物/TA or 回腸腫瘍/TA or 回腸癌/TA or 回腸がん/TA or 回腸ガン/TA or 回腸新生物/TA or 空腸腫瘍/TA or 空腸癌/TA or 空腸がん/TA or 空腸ガン/TA or 空腸新生物/TA or 十二指腸腫瘍/TA or 十二指腸癌/TA or 十二指腸がん/TA or 十二指腸ガン/TA or 十二指腸新生物/TA	22,649
#6	肝臓腫瘍/TH or 肝臓腫瘍/TA or 肝臓がん/TA or 肝臓ガン/TA or 肝臓癌/TA or 肝臓新生物/TA or 肝がん/TA or 肝ガン/TA or 肝悪性腫瘍/TA or 肝癌/TA or 肝腫瘍/TA or 肝新生物/TA or 肝細胞癌/TA or 肝細胞がん/TA 肝細胞ガン/TA	49,366
#7	膵臓腫瘍/TH or 膵臓腫瘍/TA or 膵臓がん/TA or 膵臓ガン/TA or 膵臓癌/TA or 膵臓新生物/TA or 膵がん/TA or 膵ガン/TA or 膵悪性腫瘍/TA or 膵癌/TA or 膵腫瘍/TA or 膵新生物/TA	72,661
#8	胆道腫瘍/TH or 胆道腫瘍/TA or 胆道がん/TA or 胆道ガン/TA or 胆道悪性腫瘍/TA or 胆道癌/TA or 胆道新生物/TA or 胆管腫瘍/TA or 胆管がん/TA or 胆管ガン/TA or 胆管癌/TA or 胆管新生物/TA or 胆嚢腫瘍/TA or 胆嚢がん/TA or 胆嚢ガン/TA or 胆嚢癌/TA or 胆嚢新生物/TA or 胆のう腫瘍/TA or 胆のうがん/TA or 胆のうガン/TA or 胆のう癌/TA or 胆のう新生物/TA	52,166
#9	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8	585,453
#10	妊孕性温存/TH or 妊孕性温存/TA or 妊孕性保存/TA or 妊よう性温存/TA or 妊よう性保存/TA or 保存的手術/TA or 保存的管理/TA	1,877

No	検索式	件数
#11	#9 and #10	15
#12	妊娠/TH or 妊娠/TA or 妊娠転帰/TH or 妊娠転帰/TA or 妊娠成績/TA	125,320
#13	#11 and #12	0
#14	#9 and #12	640
#15	#14 and (許容/TA or 許可/TA)	1
#16	#14 and (PT= 総説)	5
#17	#14 and (RD= ランダム化比較試験, 準ランダム化比較試験, 比較研究)	6
#18	#14 and (研究デザイン/TH or 疫学的研究デザイン/TH or 疫学研究特性/TH)	12
#19	#16 or #17 or #18	17