Additional file 1：Search strategy

Medline（N=1117）

#1	"Perioperative Period"[Mesh]
#2	"Perioperative Care"[Mesh]
#3	"Surgical Procedures, Operative"[Mesh]
#4	perioperative[Title/Abstract]
#5	"peri-operative"[Title/Abstract]
#6	preoperative[Title/Abstract]
#7	"pre-operative"[Title/Abstract]
#8	postoperative[Title/Abstract]
#9	"post-operative"[Title/Abstract]
#10	"pre-surgery"[Title/Abstract]
#11	"peri-surgery"[Title/Abstract]
#12	"post-surgery"[Title/Abstract]
#13	intraoperative[Title/Abstract]
#14	"intra-operative"[Title/Abstract]
#15	surgical[Title/Abstract]
#16	OR/#1-15
#17	"Diabetes Mellitus"[Mesh]
#18	diabet*[Title/Abstract]
#19	IDDM[Title/Abstract]
#20	NIDDM[Title/Abstract]
#21	MODY[Title/Abstract]
#22	T2DM[Title/Abstract]
#23	T2D[Title/Abstract]
#24	T1DM[Title/Abstract]
#25	T1D[Title/Abstract]
#26	OR/#17-25
#27	"Meta-Analysis" [Publication Type]
#28	"Meta-Analysis as Topic"[Mesh]
#29	"systematic review"[Title/Abstract]
#30	"meta analysis"[Title/Abstract]
#31	"meta-analysis"[Title/Abstract]
#32	"meta analyses"[Title/Abstract]
#33	"meta-analyses"[Title/Abstract]
#34	OR/#27-33
#35	#16 AND #26 AND #34

EMBASE（N=1152）

#1	'perioperative period'/exp
#2	'perioperative nursing'/exp
#3	'surgery'/exp
#4	perioperative:ab,ti

#5   'peri-operative':ab,ti
#6   preoperative:ab,ti
#7   'pre-operative':ab,ti
#8   postoperative:ab,ti
#9   'post-operative':ab,ti
#10   'pre-surgery':ab,ti
#11   'peri-surgery':ab,ti
#12   'post-surgery':ab,ti
#13   intraoperative:ab,ti
#14   'intra-operative':ab,ti
#15   surgical:ab,ti
#16   OR/#1-15
#17   'diabetes mellitus'/exp
#18   diabet*:ab,ti
#19   IDDM:ab,ti
#20   NIDDM:ab,ti
#21   MODY:ab,ti
#22   T2DM:ab,ti
#23   T2D:ab,ti
#24   T1DM:ab,ti
#25   T1D:ab,ti
#26   OR/#17-25
#27   'meta analysis'/exp
#28   'systematic review':ab,ti
#29   'meta analysis':ab,ti
#30   'meta-analysis':ab,ti
#31   'meta analyses':ab,ti
#32   'meta-analyses':ab,ti
#33   OR/#27-32
#34   #16 AND #26 AND #33
#35   #34 AND [medline]/lim
#36   #34 NOT #35

Epistemonikos（N=373）
#1   perioperative[Title/Abstract]
#2   "peri-operative" [Title/Abstract]
#3   preoperative[Title/Abstract]
#4   "pre-operative"[Title/Abstract]
#5   postoperative[Title/Abstract]
#6   "post-operative"[Title/Abstract]
#7   "pre-surgery"[Title/Abstract]
#8   "peri-surgery"[Title/Abstract]
#9   "post-surgery"[Title/Abstract]
#10   intraoperative[Title/Abstract]

#11	"intra-operative"[Title/Abstract]
#12	surgical[Title/Abstract]
#13	OR/#1-12
#14	diabet*[Title/Abstract]
#15	IDDM[Title/Abstract]
#16	NIDDM[Title/Abstract]
#17	MODY[Title/Abstract]
#18	T2DM[Title/Abstract]
#19	T2D[Title/Abstract]
#20	T1DM[Title/Abstract]
#21	T1D[Title/Abstract]
#22	OR/#14-21
#23	#13 AND #22
#24	#23 AND limit [systematic review]

Web of Science（N=503）

#1	TOPIC:perioperative
#2	TOPIC:"peri-operative"
#3	TOPIC:preoperative
#4	TOPIC:"pre-operative"
#5	TOPIC:postoperative
#6	TOPIC:"post-operative"
#7	TOPIC:"pre-surgery"
#8	TOPIC:"peri-surgery"
#9	TOPIC:"post-surgery"
#10	TOPIC:intraoperative
#11	TOPIC:"intra-operative"
#12	TOPIC:surgical
#13	OR/#1-12
#14	TOPIC:diabet*
#15	TOPIC:IDDM
#16	TOPIC:NIDDM
#17	TOPIC:MODY
#18	TOPIC:T2DM
#19	TOPIC:T2D
#20	TOPIC:T1DM
#21	TOPIC:T1D
#22	OR/#14-21
#23	TOPIC:"systematic review"
#24	TOPIC:"meta analysis"
#25	TOPIC:"meta-analysis"
#26	TOPIC:"meta analyses"
#27	TOPIC:"meta-analyses"
#28	OR/#23-27

#30   #13 AND #22 AND #28

Cochrane Library（N=86）

#1   MeSH descriptor: [Surgical Procedures, Operative] explode all trees
#2   perioperative:ti,ab,kw
#3   "peri-operative":ti,ab,kw
#4   preoperative:ti,ab,kw
#5   "pre-operative":ti,ab,kw
#6   postoperative:ti,ab,kw
#7   "post-operative":ti,ab,kw
#8   "pre-surgery":ti,ab,kw
#9   "peri-surgery":ti,ab,kw
#10   "post-surgery":ti,ab,kw
#11   intraoperative:ti,ab,kw
#12   "intra-operative":ti,ab,kw
#13   surgical:ti,ab,kw
#14   OR/#1-13
#15   MeSH descriptor: [Diabetes Mellitus] explode all trees
#16   diabet*:ti,ab,kw
#17   IDDM:ti,ab,kw
#18   NIDDM:ti,ab,kw
#19   MODY:ti,ab,kw
#20   T2DM:ti,ab,kw
#21   T2D:ti,ab,kw
#22   T1DM:ti,ab,kw
#23   T1D:ti,ab,kw
#24   OR/#15-23
#25   #14 AND #24
#26   #25 AND limit [Cochrane Review]

CBM（N=125）

#1   主题词:手术期间/全部树/全部副主题词
#2   主题词:手术中并发症/全部树/全部副主题词
#3   主题词:围手术期护理/全部树/全部副主题词
#4   主题词:围手术期医护/全部树/全部副主题词
#5   缺省[智能]:手术
#6   缺省[智能]:围术期
#7   缺省[智能]:术前
#8   缺省[智能]:术中
#9   缺省[智能]:术后
#10   or/#1-9
#11   主题词:糖尿病/全部树/全部副主题词
#12   缺省[智能]:糖尿病
#13   or/#11-12

#14 主题词:Meta 分析/全部树/全部副主题词

#15 主题词:Meta 分析(主题)/全部树/全部副主题词

#16 缺省[智能]:meta

#17 缺省[智能]:系统评价

#18 缺省[智能]:系统综述

#19 缺省[智能]:荟萃分析

#20 or/#14-19

#21 #10 and #13 and #20

CNKI（N=114）

#1 主题=手术

#2 主题=围术期

#3 主题=术前

#4 主题=术中

#5 主题=术后

#6 or/#1-5

#7 主题=糖尿病

#8 主题=meta

#9 主题=系统评价

#10 主题=系统综述

#11 主题=荟萃分析

#12 or/#8-11

#13 #6 and #7 and #12

万方（N=271）

#1 主题:手术

#2 主题:围术期

#3 主题:术前

#4 主题:术中

#5 主题:术后

#6 or/#1-5

#7 主题:糖尿病

#8 主题: meta

#9 主题:系统评价

#10 主题:系统综述

#11 主题:荟萃分析

#12 or/#8-11

#13 #6 and #7 and #12