



Universität
Basel

Universitätsbibliothek

Suchen im Klinikalltag: Webinar

Dr. Hannah Ewald

Universitätsbibliothek Medizin

Wann suche ich "schnell"?

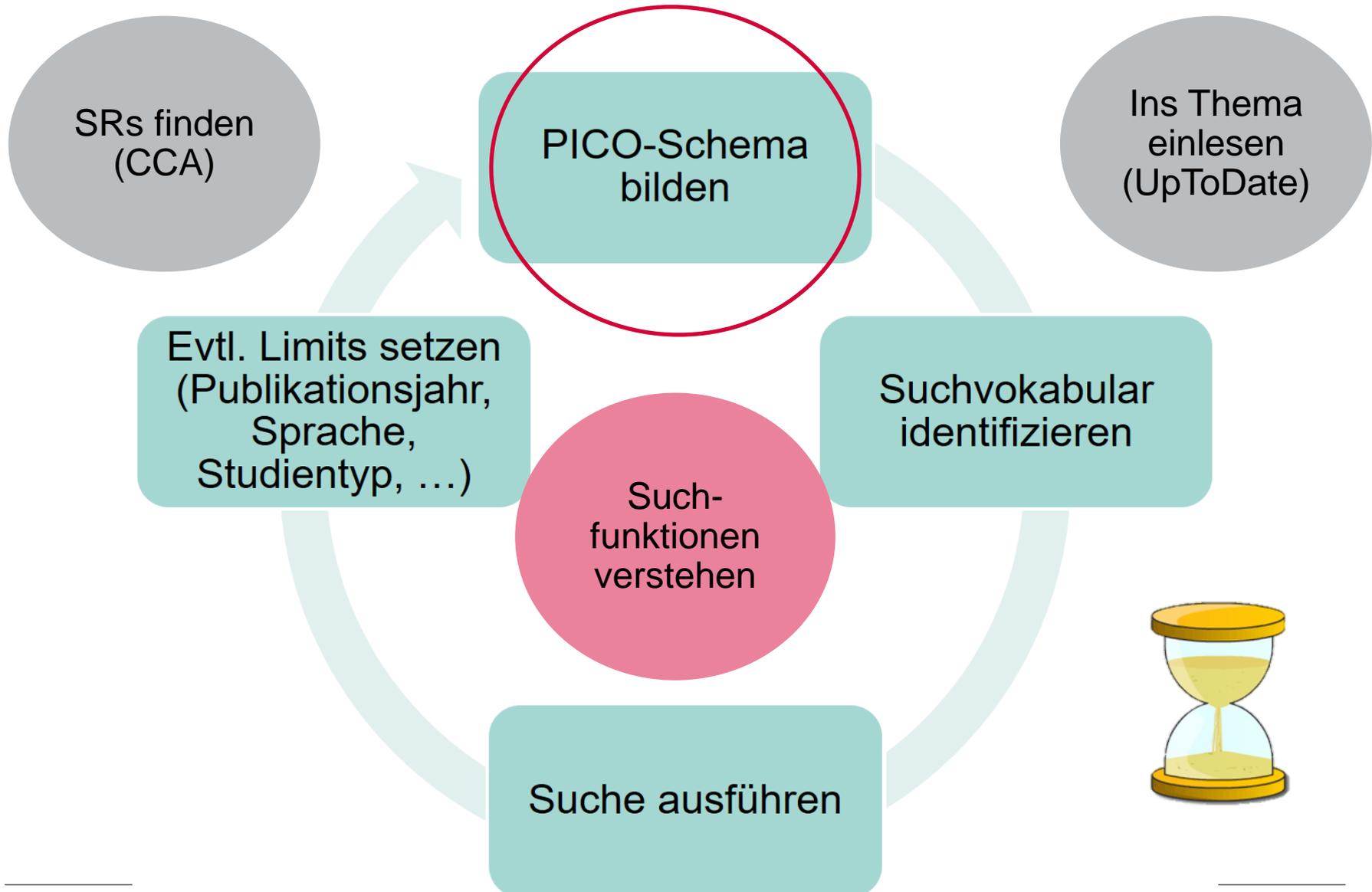


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Lernziele Suchen im Klinikalltag



PICO und klinische Fragestellung

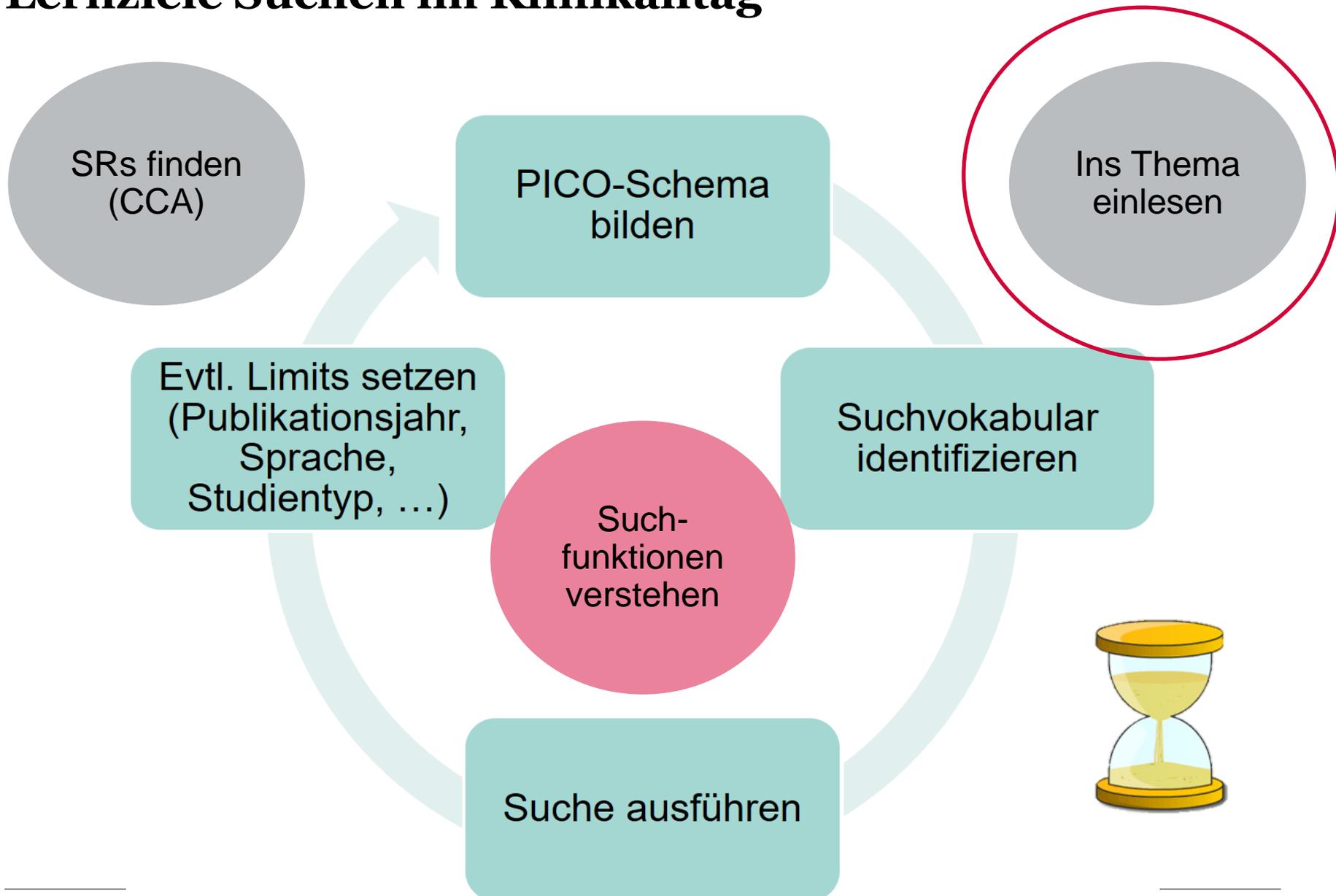
Fragestellung:

Führt ein Magenbypass bei adipösen Patienten mit Diabetes Typ 2 eher zu Remission des Diabetes als eine Standardtherapie mit oralen Antidiabetika?

P opulation 1	Adipositas
P opulation 2	Diabetes mellitus Typ 2
I ntervention	Magenbypass
C ontrol	Orale Antidiabetika
O utcome	Remission

Einzelne PICO Aspekte können jetzt für die Suche genutzt werden!

Lernziele Suchen im Klinikalltag



Ins Thema einlesen

Wo suche ich?

Format	Inhalt	Beispiele
Klinische Informationsportale	Basiswissen und mehr	<u>StatPearls</u> , <u>UpToDate</u> , <u>Clinical Queries</u> , <u>Amboss</u> , <u>Cochrane Clinical Answers</u> , ...
Bibliothekskataloge	Monographien, Dissertationen	<u>Swisscovery</u>
<u>Elektronische Datenbanken</u>	Überwiegend Journal Artikel	PubMed, Embase, Web of Science, Cochrane library, PsycINFO, CINAHL, ...
Studienregister	Abgeschlossene, laufende Trials	<u>WHO Internat. Clinical Trials Registry Platform</u> , <u>http://www.ClinicalTrials.gov</u> , <u>EudraCT</u> , ...
Internet / Webpages	Graue, sonstige Literatur	<u>https://www.cadth.ca/resources/finding-evidence/grey-matters</u> , <u>http://www.opengrey.eu</u> , ...



<https://pixabay.com/images/id-3411617/>

Ins Thema einlesen...

... und vielleicht schon Antworten finden

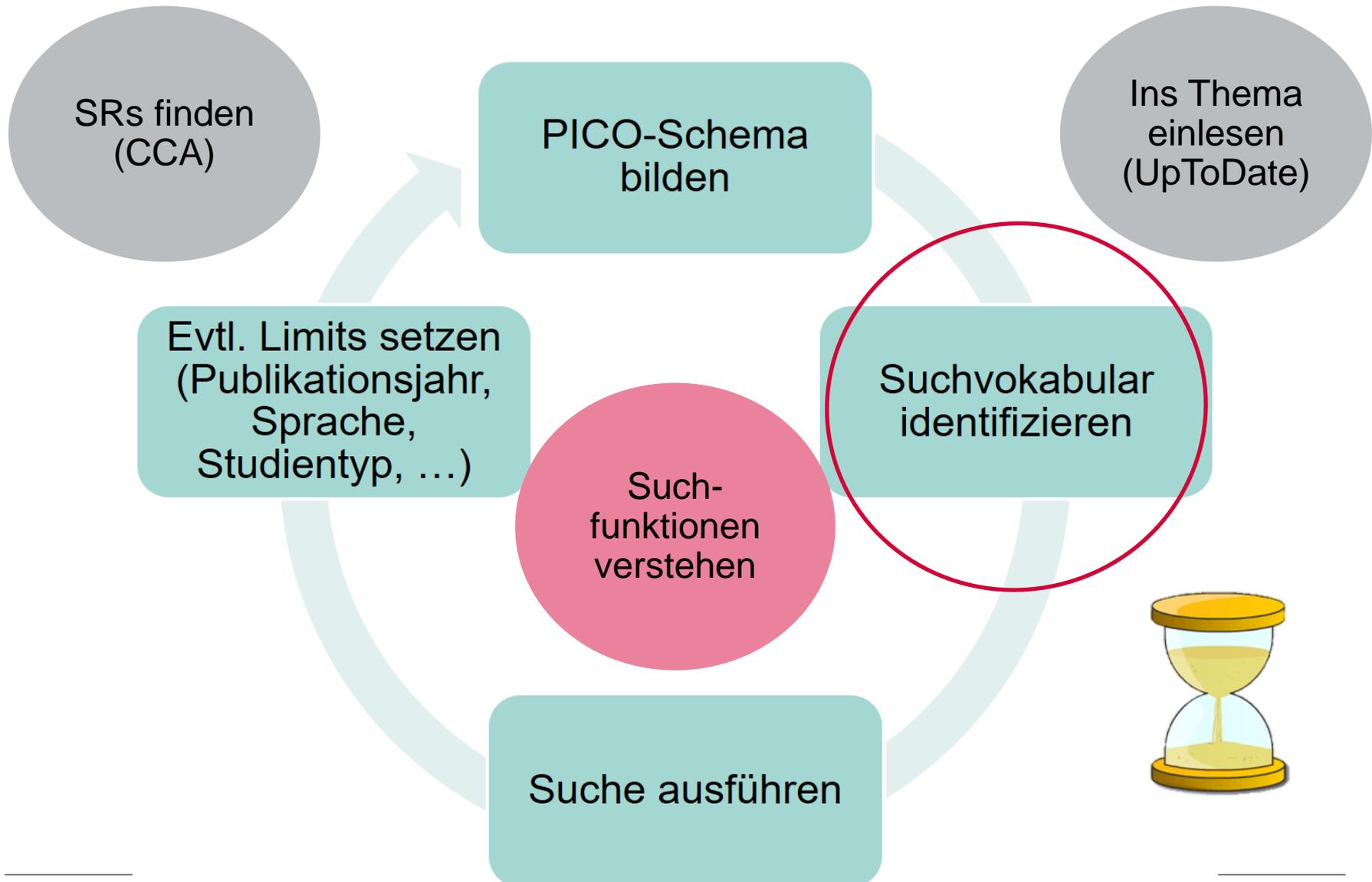
LIVE-Demo:

UpToDate

StatPearls

Cochrane Clinical Answers

Lernziele Suchen im Klinikalltag

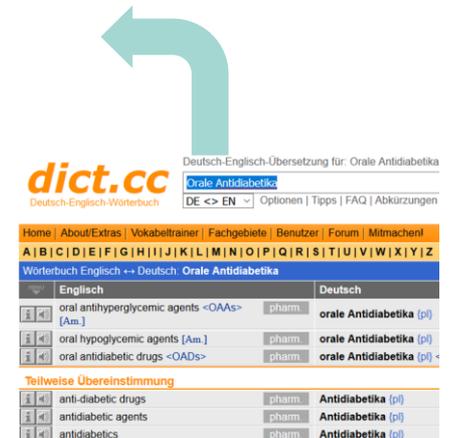


Von PICO zu Suchbegriffen

Fragestellung:

Führt ein Magenbypass bei adipösen Patienten mit Diabetes Typ 2 eher zu Remission des Diabetes als eine Standardtherapie mit oralen Antidiabetika?

P opulation 1	adiposity
P opulation 2	diabetes mellitus type 2
I ntervention	gastric bypass
C ontrol	oral antidiabetic drugs, oral antidiabetics
O utcome	remission



dict.cc
Deutsch-Englisch-Wörterbuch

Deutsch-Englisch-Übersetzung für: Orale Antidiabetika
Orale Antidiabetika
DE <> EN - Optionen | Tipps | FAQ | Abkürzungen

Home | About/Extras | Vokabeltrainer | Fachgebiete | Benutzer | Forum | Mitmachen!

Wörterbuch Englisch ↔ Deutsch: **Orale Antidiabetika**

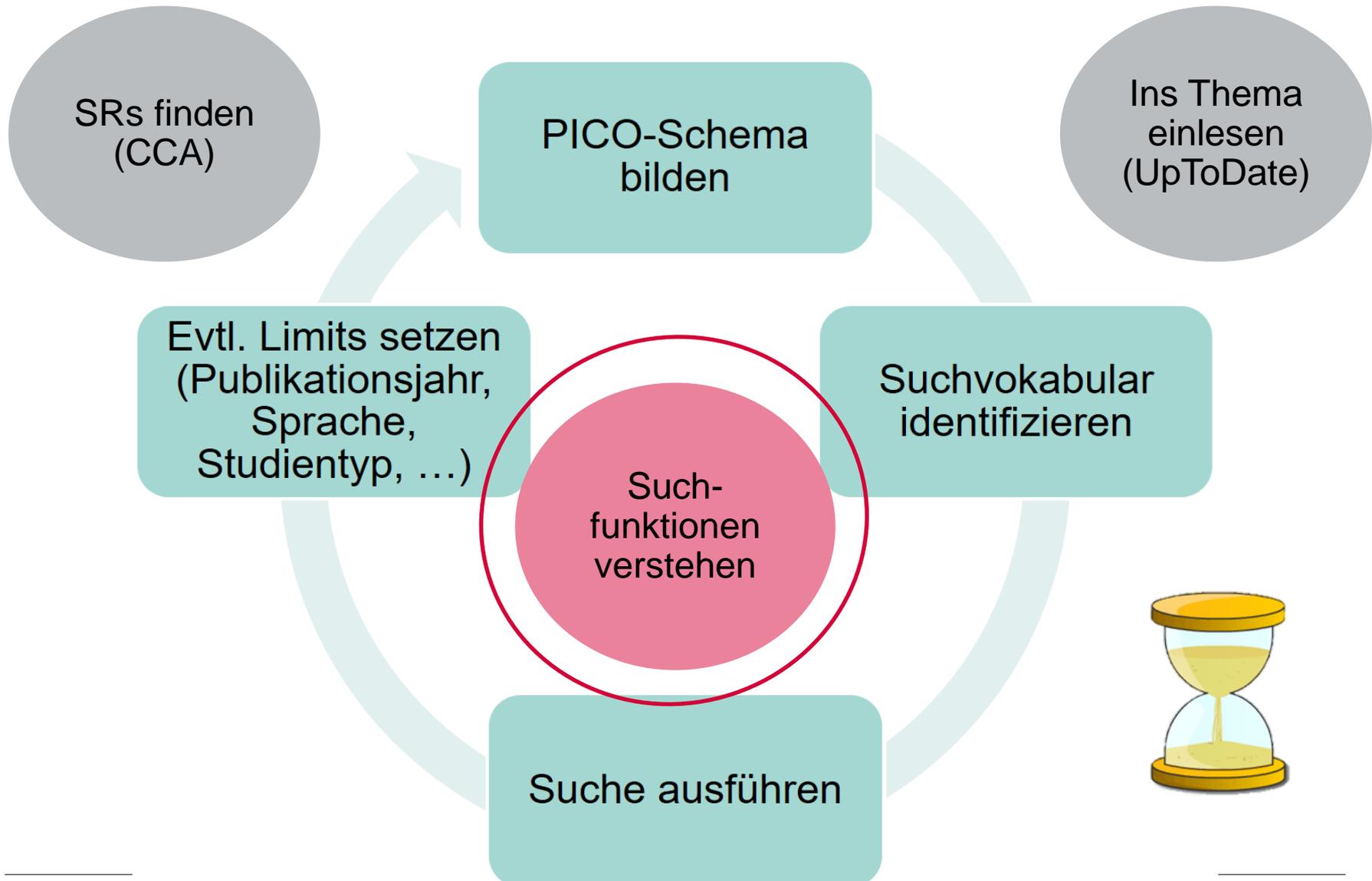
Englisch	Deutsch
oral antihyperglycemic agents <OAs> [Am.]	orale Antidiabetika (pl)
oral hypoglycemic agents [Am.]	orale Antidiabetika (pl)
oral antidiabetic drugs <OADs>	orale Antidiabetika (pl)

Teilweise Übereinstimmung

anti-diabetic drugs	pharm.	Antidiabetika (pl)
antidiabetic agents	pharm.	Antidiabetika (pl)
antidiabetics	pharm.	Antidiabetika (pl)

Suchsprache i.d.R. Englisch

Lernziele Suchen im Klinikalltag

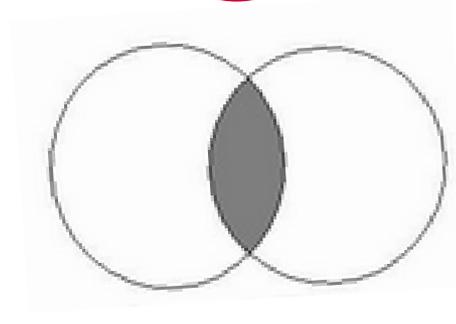
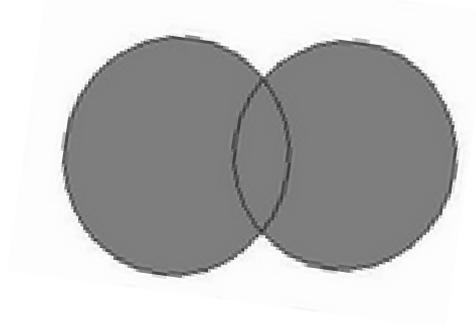


Suchfunktionen verstehen

Boolesche Operatoren

Football	10'376
Hockey	2'954
Football OR Hockey	12'902

Football	10'376
Hockey	2'954
Football AND Hockey	428



- Bool'sche Operatoren **gross schreiben**
- Bei Kombination von AND und OR mit **Klammern** arbeiten:

hockey AND (football OR soccer)

Suchfunktionen verstehen

Freie Textwortsuche



→ zu jedem Konzept der Fragestellung einen Begriff eingeben

Intelligente Suchmaschine:

"Einfache Suchanfrage" (= freie Textwortsuche)

→ intelligent umgesetzt (via **automatic term mapping**).

Auf PubMed:

- Suchbegriffe werden mit indexiertem Standardvokabular (=MeSH) abgeglichen
- z.T. werden verschiedene Schreibweisen beachtet (u.a. Singular/Plural, American/British English).

Ohne manuelle Eingabe von Boolean Operatoren: eingegebene Worte werden mit '**AND**' verknüpft.

Suchfunktionen verstehen: Automatic Term Mapping



Suche: **Diabetes adiposity gastric bypass antidiabetics remission**

13 Treffer

Was PubMed daraus macht:

("diabete"[All Fields] OR "diabetes mellitus"[MeSH Terms] OR ("diabetes"[All Fields] AND "mellitus"[All Fields]) OR "diabetes mellitus"[All Fields] OR "diabetes"[All Fields] OR "diabetes insipidus"[MeSH Terms] OR ("diabetes"[All Fields] AND "insipidus"[All Fields]) OR "diabetes insipidus"[All Fields] OR "diabetic"[All Fields] OR "diabetics"[All Fields] OR "diabets"[All Fields])

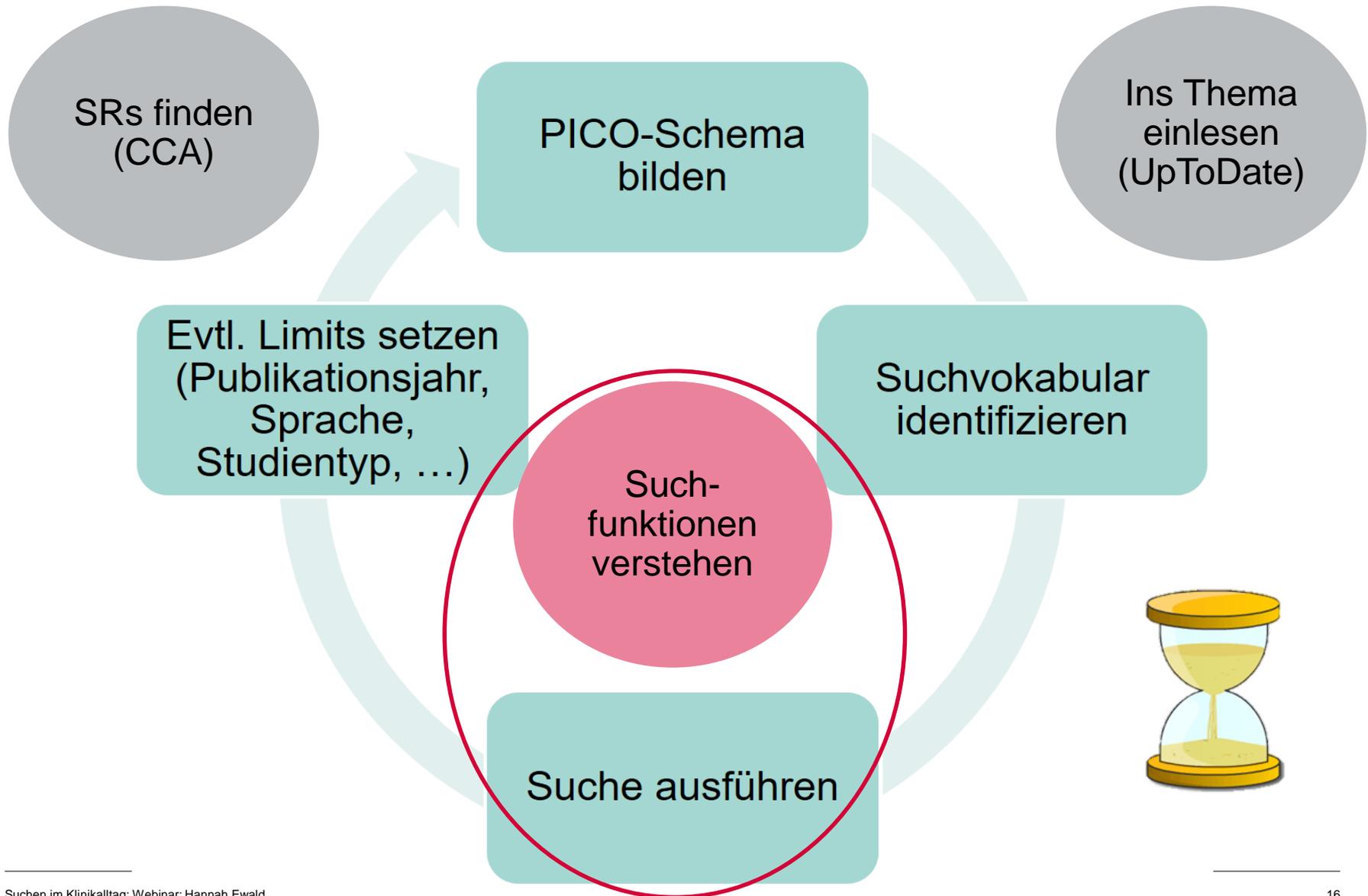
AND ("adipose tissue"[MeSH Terms] OR ("adipose"[All Fields] AND "tissue"[All Fields]) OR "adipose tissue"[All Fields] OR "adipose"[All Fields] OR "adiposities"[All Fields] OR "adiposity"[MeSH Terms] OR "adiposity"[All Fields])

AND ("gastric bypass"[MeSH Terms] OR ("gastric"[All Fields] AND "bypass"[All Fields]) OR "gastric bypass"[All Fields])

AND ("antidiabetes"[All Fields] OR "hypoglycemic agents"[Pharmacological Action] OR "hypoglycemic agents"[MeSH Terms] OR ("hypoglycemic"[All Fields] AND "agents"[All Fields]) OR "hypoglycemic agents"[All Fields] OR "antidiabetic"[All Fields] OR "antidiabetics"[All Fields])

AND ("remission"[All Fields] OR "remissions"[All Fields])

Lernziele Suchen im Klinikalltag



Suche ausführen: Mehr finden

Man kann mehr Studien finden (Sensitivität ↑), wenn man

1. Synonyme und Wortvariationen ergänzt (die PubMed nicht gefunden hat)
2. oder Suchaspekte weglässt.

Diabetes
adiposity
gastric bypass
antidiabetics
remission

13 Treffer

1. Synonyme und Wortvariationen identifizieren: Wikipedia

Diabetes

From Wikipedia, the free encyclopedia

Not to be confused with [Diabetes insipidus](#).

For other uses, see [Diabetes \(disambiguation\)](#).

Diabetes mellitus, commonly known as **diabetes**, is a group of [metabolic disorders](#) characterized by a [high blood sugar](#) level over a prolonged period of time.^[1] Symptoms often include [frequent urination](#), [increased thirst](#) and [increased appetite](#).^[2] If left untreated, diabetes can cause [many health complications](#).^[2] Acute complications can include [diabetic ketoacidosis](#), [hyperosmolar hyperglycemic state](#), or death.^[3] Serious long-term complications include [cardiovascular disease](#), [stroke](#), [chronic kidney disease](#), [foot ulcers](#), [damage to the nerves](#), [damage to the eyes](#) and [cognitive impairment](#).^{[2][5]}

Type 2 diabetes

From Wikipedia, the free encyclopedia

Type 2 diabetes (**T2D**) formerly known as **adult-onset diabetes**, is a form of [diabetes](#) that is characterized by [high blood sugar](#), [insulin resistance](#), and relative lack of [insulin](#).^[6] Common symptoms include [increased thirst](#), [frequent urination](#), and unexplained [weight loss](#).^[3] Symptoms may also include [increased hunger](#), [feeling tired](#), and [sores](#) that do not heal.^[3] Often symptoms come on slowly.^[6] Long-term complications from high blood sugar include [heart disease](#), [strokes](#), [diabetic retinopathy](#) which can result in [blindness](#), [kidney failure](#), and poor blood flow in the limbs which may lead to [amputations](#).^[1] The sudden onset of [hyperosmolar hyperglycemic state](#) may occur; however, [ketoacidosis](#) is uncommon.^{[4][5]}

Type 2 diabetes

Other names

Diabetes mellitus type 2;
adult-onset diabetes;^[1]
noninsulin-dependent
diabetes mellitus (NIDDM)

1. Synonyme und Wortvariationen identifizieren: Noise



"I hate cats! I want a dog scan."

1. Synonyme und Wortvariationen identifizieren: Similar articles

Animal Assisted Therapy for Children and Adolescents with Autism Spectrum Disorder: Parent perspectives

Maeve Doyle London ¹, Lynette Mackenzie ², Meryl Lovarini ¹, Claire Dickson ³, Alberto Alvarez-Campos ⁴

Affiliations + expand

PMID: 32333302 DOI: 10.1007/s10803-020-04512-5

Abstract

Animal-Assisted Therapy (AAT) is an intervention for children with Autism Spectrum Disorder (ASD). This study explores parent perspectives of the impact of five AAT sessions involving **trained dogs** with their children with ASD. A phenomenological qualitative approach was used to explore first-hand perspectives of parents. In-depth, semi-structured interviews were conducted. Data were analyzed using thematic analysis. Seventeen parents reported that the presence of the dogs facilitated their children's engagement, enjoyment, and motivation. Parents also reported that this contributed to gains in the child's communication with others and the dog (n = 11, 64.7%), behavioral regulation (n = 12, 70.6%), and community participation (n = 14, 82.3%). These findings indicate that parents supported the use of AAT and that dogs facilitated therapeutic gains.

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< Title & authors

Abstract

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Canine-assisted occupational therapy for children on the autism spectrum: Parents' perspectives.

Hill JR, Ziviani J, Driscoll C.

Aust Occup Ther J. 2020 Oct;67(5):427-436. doi: 10.1111/1440-1630.12659. Epub 2020 Mar 22.

PMID: 32201966

"The connection just happens": Therapists' perspectives of canine-assisted occupational therapy for children on the autism spectrum.

Hill JR, Ziviani J, Driscoll C.

Aust Occup Ther J. 2020 Dec;67(6):550-562. doi: 10.1111/1440-1630.12680. Epub 2020 Jun 8.

PMID: 32510649

Parent Perceptions of Psychosocial Outcomes of **Equine-Assisted** Interventions for Children with Autism Spectrum Disorder.

Tan VX, Simmonds JG.

J Autism Dev Disord. 2018 Mar;48(3):759-769. doi: 10.1007/s10803-017-3399-3.

PMID: 29196865

Community participation and environment of children with and without autism spectrum disorder: parent perspectives.

Egilson ST, Jakobsdóttir G, Ólafsson K, Leósdóttir T.

Scand J Occup Ther. 2017 May;24(3):187-196. doi: 10.1080/11038128.2016.1198419. Epub 2016 Jun 22.

PMID: 27329683

Parents' experiences of caring for a child with autism spectrum disorder.

DePape AM, Lindsay S.

Qual Health Res. 2015 Apr;25(4):569-83. doi: 10.1177/1049732314552455. Epub 2014 Sep 22.

PMID: 25246329 Review.

1. Synonyme und Wortvariationen ergänzen

Man kann mehr Studien finden (Sensitivität ↑), wenn man

1. Synonyme und Wortvariationen ergänzt (die PubMed nicht gefunden hat)
2. oder Suchaspekte weglässt.

Zuerst Klammern ergänzen:

(Diabetes)
(adiposity)
(gastric bypass)
(antidiabetics)
(remission)



Option 1: Weitere Begriffe ergänzen:

(Diabetes OR diabetic)
(adiposity OR adipose OR obesity OR obese)
(gastric bypass OR gastrointestinal bypass
OR bariatric surgery)
(antidiabetics OR antidiabetic OR
hypoglycemic agent*)
(remission OR glycemic control)

13 Treffer

440 Treffer

2. Suchaspekte weglassen

Man kann mehr Studien finden (Sensitivität ↑), wenn man

1. Synonyme und Wortvariationen ergänzt (die PubMed nicht gefunden hat)
2. oder Suchaspekte weglässt.

Zuerst Klammern ergänzen:

(Diabetes)
(adiposity)
(gastric bypass)
(antidiabetics)
(remission)



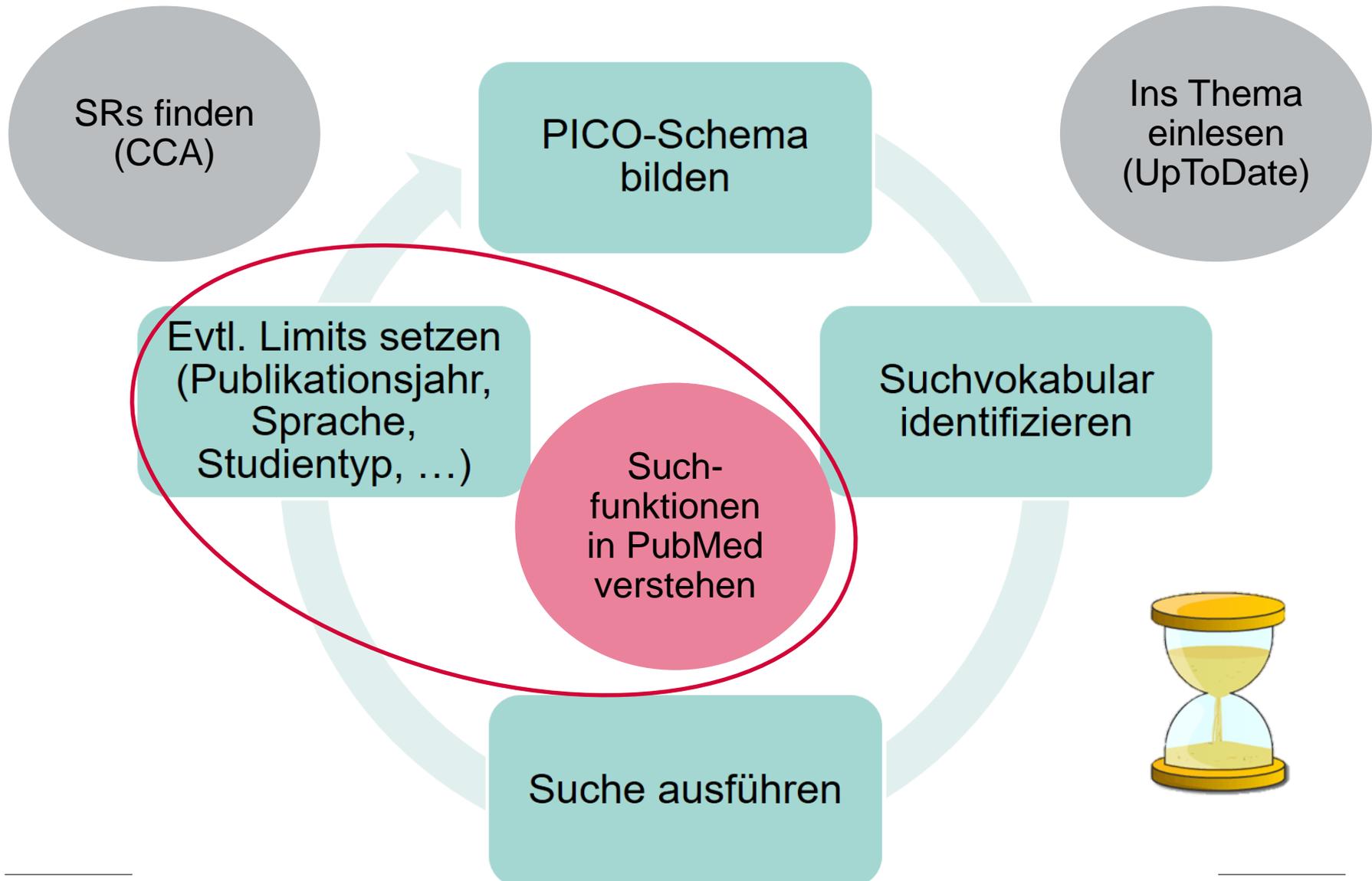
Option 2: Suchaspekte weglassen:

(Diabetes)
~~(adiposity)~~
(gastric bypass)
(antidiabetics)
~~(remission)~~

13 Treffer

751 Treffer

Lernziele Suchen im Klinikalltag



Limits setzen: Schnell weniger finden



RESULTS BY YEAR

↗ ↘

1979 2021

TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial
- Review
- Systematic Review

ARTICLE TYPE

SPECIES

LANGUAGE

SEX

JOURNAL

AGE

- Address
- Autobiography
- Bibliography
- Biography
- Case Reports
- Classical Article
- Clinical Conference
- Clinical Study
- Clinical Trial Protocol
- Introductory Journal Article
- Lecture
- Legal Case
- Legislation
- Letter
- Multicenter Study
- News
- Newspaper Article
- Observational Study

Cancel Show

Limits setzen: Schnell weniger finden



Option 1: Weitere Begriffe ergänzen:

(Diabetes OR diabetic)

Filters applied: Randomized Controlled Trial. Clear all

Metabolic **surgery** versus conventional medical therapy in patients with type 2 **diabetes**: 10-year follow-up of an open-label, single-centre, randomised controlled trial.

23 Treffer

(hypoglycemic agent)
(remission OR glyceimic control)

Option 2: Suchaspekte weglassen:

(Diabetes)

Filters applied: Randomized Controlled Trial. Clear all

Gastric bypass versus sleeve gastrectomy in patients with type 2 **diabetes** (Oseberg): a single-centre, triple-blind, randomised controlled trial.

39 Treffer

(antidiabetics)
(remission)

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial

RESULTS BY YEAR

Year	Results
2016	1
2017	2
2018	3
2019	4
2020	5
2021	6
2022	7
2023	8

Filter: (nicht ganz so schnell) weniger finden



- Off-label drugs
- Outcome Studies
- Patient safety
- Population-specific
- Prognosis
- Public Views
- Qualitative Research
- QUALITY IMPROVEMENT
- Quality of life
- Quasi-experimental
- RCTs

The ISSG Search Filter Resource:

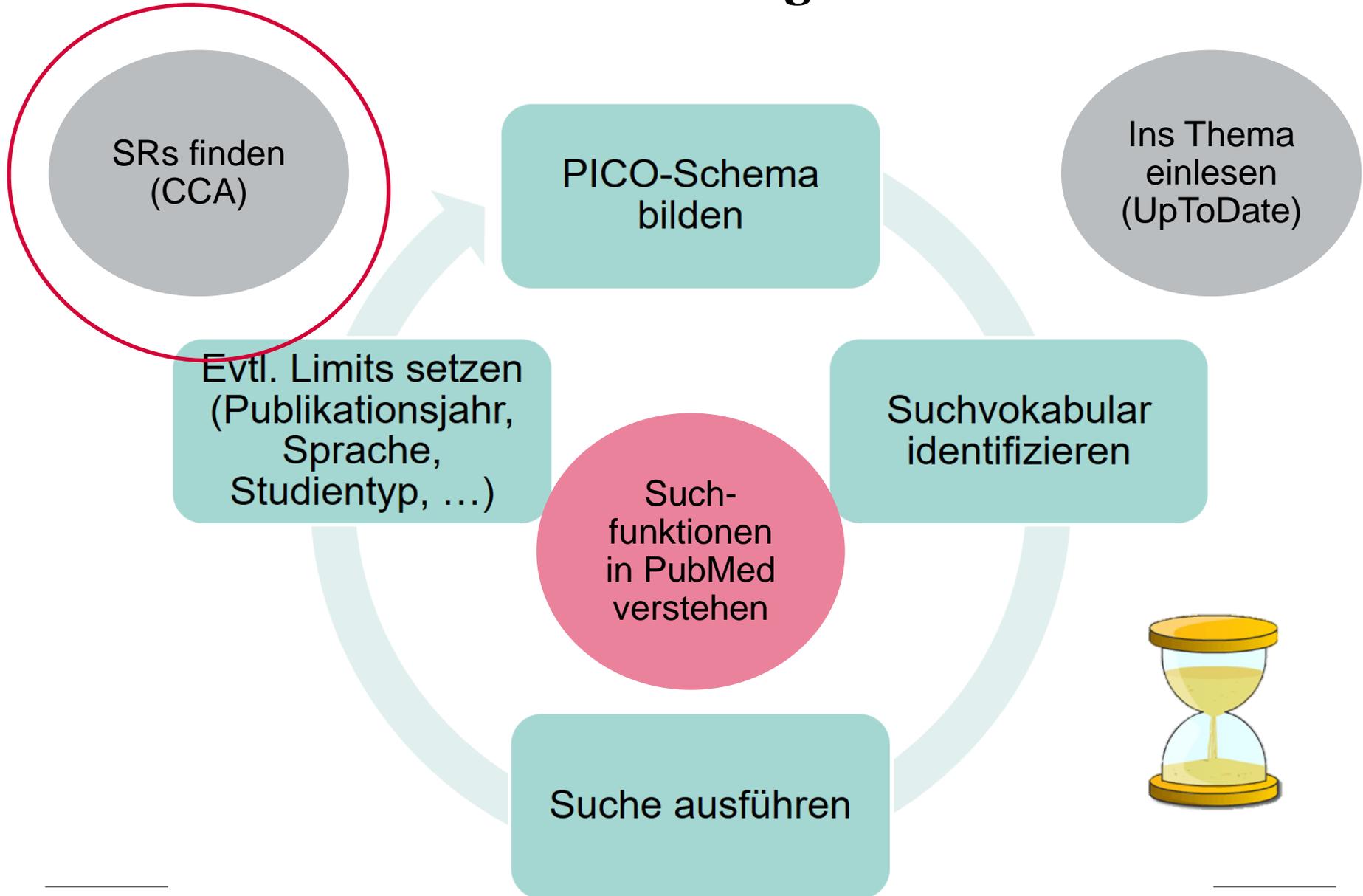
- Übersicht über diverse, veröffentlichte Suchfilter
- I.d.R. das "feinere Sieb" als eingebaute Limits: es bleiben mehr relevante Treffer unter den Suchergebnissen
- U.a. auch validierte RCT Filter mit direktem "Launch"-Link

Hinweis: Nicht alle Filter sind sinnvoll (beachte untersuchte Sensitivität und Spezifität)

Lefebvre C, Glanville J, Briscoe S, Littlewood A, Marshall C, Metzendorf M-I, Noel-Storr A, Rader T, Shokraneh F, Thomas J, Wieland LS. Technical Supplement to Chapter 4: Searching for and selecting studies. In: Higgins JPT, Thomas J, Chandler J, Cumpston MS, Li T, Page MJ, Welch VA (eds). *Cochrane Handbook for Systematic Reviews of Interventions* Version 6.2 (updated February 2021). Cochrane, 2021. Available from: www.training.cochrane.org/handbook. [Ovid, PubMed]

- [Launch](#) Cochrane RCT sensitivity maximising filter for PubMed
- [Launch](#) Cochrane RCT sensitivity and precision maximising filter for PubMed

Lernziele Suchen im Klinikalltag



Systematic Reviews finden

- **PubMed:** mit entsprechendem Article Type Filter

ARTICLE TYPE	
<input type="checkbox"/>	Books and Documents
<input type="checkbox"/>	Clinical Trial
<input type="checkbox"/>	Meta-Analysis
<input type="checkbox"/>	Randomized Controlled Trial
<input type="checkbox"/>	Review
<input checked="" type="checkbox"/>	Systematic Reviews

- **Epistemonikos:**



- Freier Zugang
- Systematische Reviews und andere Evidenzsynthesen
- Meta-Suchmaschine, die auf andere Datenbanken zugreift
- <https://www.epistemonikos.org/>

- **Cochrane Library:**

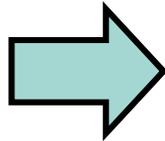


- Zugang mit Lizenz (Schweiz hat Nationallizenz)
- Cochrane Reviews
- Browse by Topic möglich
- <https://www.cochranelibrary.com/>

Systematic Reviews finden: mit Limits in PubMed

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial
- Review
- Systematic Review



Option 1: Weitere Begriffe ergänzen:
(Diabetes OR diabetic)

Filters applied: Systematic Review. [Clear all](#)

- Impact of **Bariatric Surgery** on Metabolic and Gut Microbiota Profile: a
1 Systematic Review and Meta-analysis.

5 Treffer

Option 2: Suchaspekte weglassen:
(Diabetes)

Filters applied: Systematic Review. [Clear all](#)

- Impact of roux-en Y **gastric bypass surgery** on prognostic factors of type 2
1 **diabetes mellitus**: meta-analysis and systematic review.

9 Treffer

Reviews finden: Epistemonikos

Diabetes AND adiposity AND gastric bypass

[Advanced search](#) [Help](#)

By category

All

Broad Syntheses (0)

Systematic Reviews (2)

Structured Summaries (0)

Primary Studies (1)

By year

All

Last year

Last 5 years

Last 10 years

Custom range

Results: 1-3 of 3



■ Systematic review ⚡

American association of clinical endocrinologists and American college of endocrinology comprehensive clinical practice guidelines for medical care of patients with obesity.

Year » 2016

Authors » Garvey W.T. , Mechanick J.I. , Brett E.M. , Garber A.J. , Hurley D.L. , Jastreboff A.M. - **More**

Journal » Endocrine Practice

Links » Pubmed , DOI

Without references



■ Systematic review ⚡

Long-term outcomes of metabolic and bariatric surgery in adolescents with severe obesity with a follow-up of at least 5 years: A systematic review.

Year » 2019

Reviews finden: Cochrane Library



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Title Abstract Keyword



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Trials

Search Reviews (CDSR)

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Supplements

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Browse the Cochrane Database of Systematic Reviews...

A

Allergy & intolerance

B

Blood disorders

G

Gastroenterology & hepatology

B

Genetic disorders

P

Pain & anaesthesia

P

Pregnancy & childbirth

D

Dentistry & oral health

Developmental, psychosocial & learning problems

Diagnosis

E

Ear, nose & throat

Effective practice & health systems

Endocrine & metabolic

Eyes & vision

Kidney disease

L

Lungs & airways

M

Mental health

Methodology

N

Neonatal care

Neurology

O

Orthopaedics & trauma

U

Urology

W

Wounds

29. MAR 2023 16:00-18:00 / UB Medizin

Kurs: Literature Searching with Cochrane Library
(in English)

Fragen?

Anhang: PubMed Clinical Queries

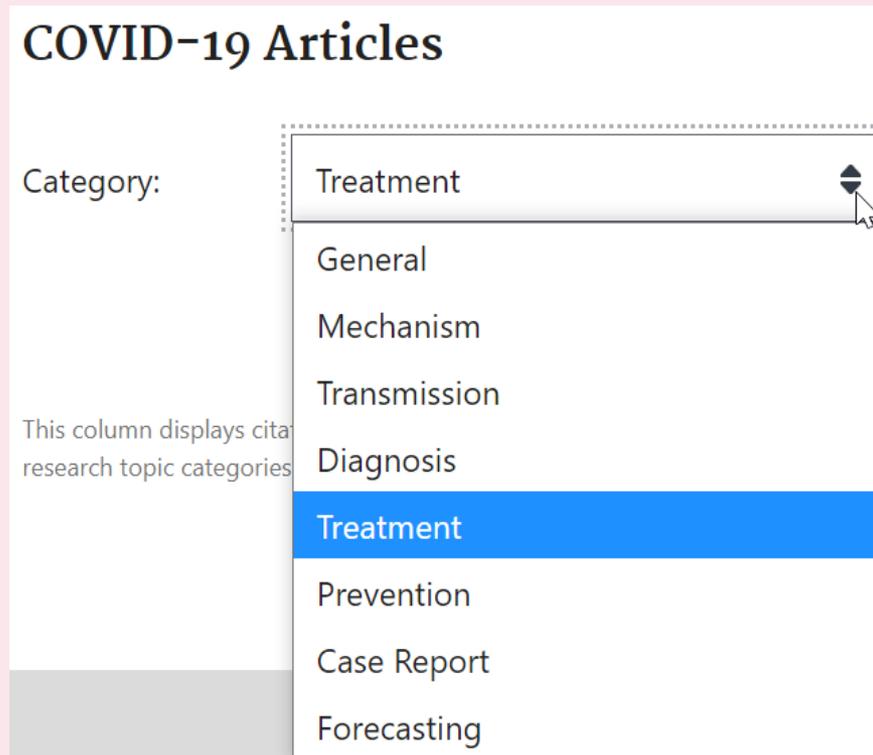
1. **Clinical Queries in PubMed** sind sinnvoll wenn man im klinischen Alltag RCTs zu einem dieser Themen sucht:
 - Etiology
 - Diagnosis
 - Therapy
 - Prognosis
 - Clinical prediction guides
2. Ergebnisse zu RCTs zum Thema Therapie entsprechen in etwa der freien Textwortsuche mit RCT Filter
3. Nutze den **engen Filter**, der breite bringt wenig Vorteile gegenüber einer freien Textwortsuche
4. Suchanfrage im **PICO-Schema**
5. Suche mit **spezifischen Begriffen**; keine Abkürzungen!
6. Überprüfe gegebenenfalls die einzelnen Stichwörter in den **Search Details** und passe sie an



Anhang: PubMed Clinical Queries

1. Clinical

Neu bei Clinical Queries:



2. Ergebnisse

Textv

3. Nutzen

freie

4. Such

5. Such

6. Überprüfe gegebenenfalls die einzelnen Stichwörter in den **Search Details** und passe sie an