

Systematic Review – the impact of 7-keto-DHEA on body weight

Archives of Gynecology and obstetrics

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Database Search Strategies for Appendix

Date searched: October 28, 2020

MEDLINE via Ovid (1946-Present)

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) <1946 to October 27, 2020>

Search Strategy:

-
- 1 exp Overweight/ (222620)
 - 2 (overweight* or obese* or adipos*).tw. (254577)
 - 3 Body Weight/ or body weight changes/ or weight loss/ (223687)
 - 4 ((body adj3 weight*) or (weight adj3 change*) or weight-change* or (weight adj3 loss*) or weight-loss* or (weight adj3 reduct*) or weight-reduct* or antiobes* or anti-obes*).tw. (320451)
 - 5 Obesity Management/ or Weight Reduction Programs/ (2383)
 - 6 Body Constitution/ or exp Body Fat Distribution/ (25461)
 - 7 (body-fat-distribution or (body fat adj3 distribution) or body-fat-pattern* or (body fat adj3 pattern*) or fat load* or body lipid* or body-constitution or (body adj3 constitution) or body-composition or (body adj3 composition)).tw. (42789)

- 8 body mass index/ or Waist-Hip Ratio/ or Waist Circumference/ (132990)
- 9 ("body mass index" or "body-mass index" or body-mass-index or bmi or "quetelet index" or "waist-hip-ratio" or "waist-hip ratio" or waist-hip-ratio or "waist-to-hip-ratio" or waist size* or (waist* adj3 size*) or hip circumference* or hip-circumference or "waist to hip ratio" or (waist* adj3 circumference*).tw. (253061)
- 10 energy metabolism/ or basal metabolism/ (88472)
- 11 (metabolic rate* or energy metabolism* or basal metabolism* or energy expenditure*).tw. (74879)
- 12 Anti-Obesity Agents/ (5055)
- 13 or/1-12 (998977)
- 14 exp Dehydroepiandrosterone/ae, aa, me, ph, pd, tu (6174)
- 15 ("7 keto" or 7-Keto or 7-Keto-DHEA or 3-acetyl-7-oxo-dehydroepiandrosterone or "3 acetyl 7 oxo dehydroepiandrosterone" or 3-acetyl-7-oxo-DHEA or "3 acetyl 7 oxo DHEA" or 7-oxo-DHEA or "7 oxo DHEA" or 7-oxodehydroepiandrosterone or "7 oxodehydroepiandrosterone" or 7-ketodehydroepiandrosterone or "7 ketodehydroepiandrosterone" or 7-oxoprasteron or "7 oxoprasteron" or 7-ketoprasteron or "7 ketoprasteron" or 3-acetyl-7-oxo-DHEA or prasterone or "3β-Hydroxyandrost-5-ene-7,17-dione" or "3beta-Hydroxyandrost-5-ene-7,17-dione" or "5-Androsten-3β-ol-7,17-dione" or "5-Androsten-3beta-ol-7,17-dione" or "3-acetoxyandrost-5-ene-7,17-dione" or 7?-hydroxy-dehydroepiandrosterone or 7?-OH-DHEA or 7?-hydroxy-dehydroepiandrosterone or 7alpha-OH-DHEA or 7alpha-hydroxy-dehydroepiandrosterone or 7-oxo-DHEA-3?-sulfate or "7 keto naturalean" or 7-keto naturalean or "Lean system 7" or HUM5007).rn, sy, nm, tw. (603)
- 16 14 or 15 (6637)
- 17 13 and 16 (752)
- 18 exp animals/ not humans.sh. (4749702)
- 19 17 not 18 (432)

Embase via Ovid (1974-Present)

Database: Embase <1974 to 2020 October 27>

Search Strategy:

-
- 1 exp obesity/ (529715)
 - 2 (overweight* or obese* or adipos*).ti,ab,kw. (374453)
 - 3 body weight/ or exp body weight change/ or body weight loss/ or body weight control/ or body weight disorders/ (359204)
 - 4 ((body adj3 weight*) or (weight adj3 change*) or weight-change* or (weight adj3 loss*) or weight-loss* or (weight adj3 reduct*) or weight-reduct* or antiobes* or anti-obes*).ti,ab,kw. (458296)
 - 5 exp body weight management/ (4916)
 - 6 exp body composition/ or body constitution/ (109398)
 - 7 (body-fat-distribution or (body fat adj3 distribution) or body-fat-pattern* or (body fat adj3 pattern*) or fat load* or body lipid* or body-constitution or (body adj3 constitution) or body-composition or (body adj3 composition)).ti,ab,kw. (61153)
 - 8 body mass/ or Waist-Hip Ratio/ or Waist Circumference/ (476891)

- 9 ("body mass index" or "body-mass index" or body-mass-index or bmi or "quetelet index" or "waist-hip-ratio" or "waist-hip ratio" or waist-hip-ratio or "waist-to-hip-ratio" or waist size* or (waist* adj3 size*) or hip circumference* or hip-circumference or "waist to hip ratio" or (waist* adj3 cirumference*)).ti,ab,kw. (463316)
- 10 exp energy metabolism/ or exp basal metabolic rate/ (208306)
- 11 (metabolic rate* or energy metabolism* or basal metabolism* or energy expenditure*).ti,ab,kw. (94565)
- 12 exp antiobesity agent/ (4966)
- 13 or/1-12 (1684872)
- 14 prasterone/ (15119)
- 15 ("7 keto" or 7-Keto or 7-Keto-DHEA or 3-acetyl-7-oxo-dehydroepiandrosterone or "3 acetyl 7 oxo dehydroepiandrosterone" or 3-acetyl-7-oxo-DHEA or "3 acetyl 7 oxo DHEA" or 7-oxo-DHEA or "7 oxo DHEA" or 7-oxodehydroepiandrosterone or "7 oxodehydroepiandrosterone" or 7-ketodehydroepiandrosterone or "7 ketodehydroepiandrosterone" or 7-oxoprasteron or "7 oxoprasteron" or 7-ketoprasteron or "7 ketoprasteron" or 3-acetyl-7-oxo-DHEA or prasterone or "3β-Hydroxyandrost-5-ene-7,17-dione" or "3beta-Hydroxyandrost-5-ene-7,17-dione" or "5-Androsten-3β-ol-7,17-dione" or "5-Androsten-3beta-ol-7,17-dione" or "3-acetoxyandrost-5-ene-7,17-dione" or 7?-hydroxy-dehydroepiandrosterone or 7alpha-hydroxy-dehydroepiandrosterone or 7?-OH-DHEA or 7alpha-OH-DHEA or 7-oxo-DHEA-3?-sulfate or "7 keto naturalean" or 7-keto naturalean or "Lean system 7" or HUM5007).tn,ti,ab,kw. (626)
- 16 14 or 15 (15479)
- 17 13 and 15 (56)
- 18 limit 17 to human (33)

Cochrane Library (1996-Present)

- | | | |
|-----|---|---------|
| #1 | MeSH descriptor: [Overweight] explode all trees | (16289) |
| #2 | (overweight* or obese* or adipos*):ti,ab,kw | (34805) |
| #3 | MeSH descriptor: [Body Weight] this term only | (8356) |
| #4 | MeSH descriptor: [Body Weight Changes] this term only | (87) |
| #5 | MeSH descriptor: [Weight Loss] explode all trees | (6327) |
| #6 | (body weight* or body-weight* or weight loss* or weight-loss* or weight change* or weight-change* or weight reduct* or weight-reduct* or antiobes* or anti-obes*):ti,ab,kw | (84676) |
| #7 | MeSH descriptor: [Obesity Management] this term only | (11) |
| #8 | MeSH descriptor: [Weight Reduction Programs] this term only | (730) |
| #9 | MeSH descriptor: [Body Constitution] this term only | (264) |
| #10 | MeSH descriptor: [Body Fat Distribution] explode all trees | (905) |
| #11 | (body-fat-distribution* or body fat distribution* or body-fat-pattern* or body fat pattern* fat load* or body lipid* or body-constitution* or body constitution* or body-composition or body composition*):ti,ab,kw | (25645) |
| #12 | MeSH descriptor: [Body Mass Index] explode all trees | (10061) |
| #13 | MeSH descriptor: [Waist-Hip Ratio] explode all trees | (257) |
| #14 | MeSH descriptor: [Waist Circumference] explode all trees | (1025) |

- #15 (body mass index* or body-mass index* or body-mass-index or bmi or quetelet index* or waist-hip-ratio or waist-hip ratio* or waist-hip-ratio or waist-to-hip-ratio or hip circumference* or waist size*):ti,ab,kw (70457)
- #16 MeSH descriptor: [Energy Metabolism] this term only (3232)
- #17 MeSH descriptor: [Basal Metabolism] this term only (454)
- #18 (metabolic rate* or energy metabolism* or basal metabolism* or energy expenditure*):ti,ab,kw (25423)
- #19 MeSH descriptor: [Anti-Obesity Agents] this term only (453)
- #20 #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 (155959)
- #21 MeSH descriptor: [Dehydroepiandrosterone] explode all trees (677)
- #22 ((7 NEAR/2 Keto DHEA) or (7 NEAR/2 keto) or (3 NEXT acetyl 7 NEAR/2 oxo dehydroepiandrosterone) or (3 NEAR/2 acetyl 7 oxo DHEA) or (7 NEAR/2 oxo DHEA) or (7 NEAR/2 oxodehydroepiandrosterone) or (7 NEAR/2 ketodehydroepiandrosterone) or (7 NEAR/2 oxoprasteron) or (7 NEAR/2 ketoprasteron) or prasterone or (7 NEAR/2 OH DHEA) or (7 NEAR/2 hydroxy-dehydroepiandrosterone) or (7 NEAR/2 oxo DHEA 3 sulfate) or (7 NEAR/2 keto naturalean) or (Lean system 7 or HUM5007):ti,ab,kw (500)
- #23 #21 or #22 (1077)
- #24 #20 and #23 (433)

CINAHL (1937 - Present)

#17	291	S15 AND S16
#16	1,469	S13 OR S14
#15	310,198	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12
#14	60	TI ("7 keto" or 7-Keto or 7-Keto- DHEA or 3-acetyl-7-oxo-dehydroepiandrosterone or "3 acetyl 7 oxo dehydroepiandrosterone" or 3-acetyl-7-oxo-DHEA or "3 acetyl 7 oxo DHEA" or 7-oxo-DHEA or "7 oxo DHEA" or 7- oxodehydroepiandrosterone or "7 oxodehydroepiandrosterone" or 7-ketodehydroepiandrosterone or "7 ketodehydroepiandrosterone" or 7-oxoprasteron or "7 oxoprasteron" or 7- ketoprasteron or "7 ketoprasteron" or 3-acetyl-7-oxo-DHEA or prasterone or "3β-Hydroxyandrost-5-ene-7,17- dione" or "3beta-Hydroxyandrost-5-ene-7,17-dione" or "5-Androsten-3β-ol-7,17-dione" or "5-Androsten-3beta-ol-7,17-dione" or "3-acetoxyandrost-5- ene-7,17-dione" or 7?-hydroxy- dehydroepiandrosterone or 7alpha- hydroxy-

		dehydroepiandrosterone or 7?-OH-DHEA or 7alpha-OH-DHEA or 7-oxo-DHEA-3?-sulfate or "7 keto naturalean" or 7-keto naturalean or "Lean system 7" or HUM5007) OR AB ("7 keto" or 7-Keto or 7-Keto- DHEA or 3-acetyl-7-oxo- dehydroepiandrosterone or "3 acetyl 7 oxo dehydroepiandrosterone" or 3-acetyl-7-oxo-DHEA or "3 acetyl 7 oxo DHEA" or 7-oxo-DHEA or "7 oxo DHEA" or 7-oxodehydroepiandrosterone or "7 oxodehydroepiandrosterone" or 7-ketodehydroepiandrosterone or "7 ketodehydroepiandrosterone" or 7-oxoprasteron or "7 oxoprasteron" or 7- ketoprasteron or "7 ketoprasteron" or 3-acetyl-7-oxo-DHEA or prasterone or "3β-Hydroxyandrost-5-ene-7,17- dione" or "3beta-Hydroxyandrost-5- ene-7,17-dione" or "5-Androsten-3β- ol-7,17-dione" or "5-Androsten-3beta- ol-7,17-dione" or "3-acetoxyandrost-5- ene-7,17-dione" or 7?-hydroxy- dehydroepiandrosterone or 7alpha-hydroxy-dehydroepiandrosterone or 7?-OH-DHEA or 7alpha-OH-DHEA or 7-oxo-DHEA-3?-sulfate or "7 keto naturalean" or 7-keto naturalean or "Lean system 7" or HUM5007)
#13	1,448	(MH "Dehydroepiandrosterone")
#12	1,800	(MH "Antiobesity Agents")
#11	10,538	TI ("metabolic rate" or "energy metabolism" or "basal metabolism" or "energy expenditure") OR AB ("metabolic rate" or "energy metabolism" or "basal metabolism" or "energy expenditure")
#10	16,502	(MH "Energy Metabolism") OR (MH "Basal Metabolism+")
#9	89,042	TI ("body mass index" or "body-mass index" or bmi or "quetelet index" or "waist-hip-ratio" or "waist-hip ratio" or "waist-to-hip-ratio" or "waist size" or "hip circumference" or hip- circumference or "waist to hip ratio") OR AB ("body mass index" or "body- mass index" or bmi or "quetelet index" or "waist-hip-ratio" or "waist-hip ratio" or "waist-to-hip-ratio" or waist size* or "hip circumference" or hip- circumference or "waist to hip ratio")
#8	86,387	(MH "Body Mass Index") OR (MH "Waist Circumference") OR (MH "Waist-Hip Ratio")
#7	27,423	TI (body-fat-distribution or "body fat distribution" or body-fat-pattern or "body fat pattern" or "fat load" or "body lipid" or body-constitution or "body constitution" or body- composition or "body composition" OR AB (body-fat-distribution or "body fat distribution" or body-fat-pattern or "body fat pattern" or "fat load" or "body lipid" or body-constitution or "body constitution" or body-composition or "body composition")
#6	79,307	(MH "Body Constitution+")
#5	23,070	(MH "Body Composition+")
#4	112,709	TI ("body weight" OR weight-loss* OR "weight change" OR weight-change* or "weight loss" or weight-loss* or "weight reduction" or weight- reduction* or antiobes* or anti-obes* or overweight* or obese* or adipos*) OR AB ("body weight" OR weight- loss* OR "weight change" OR weight- change* or "weight

		loss" or weight- loss* or "weight reduction" or weight-reduction* or antiobes* or anti-obes* or overweight* or obese* or adipos*)
#3	52,478	(MH "Body Weight Changes") OR (MH "Weight Loss") OR (MH "Body Weight")
#2	70,781	TI (overweight* or obese* or adipos*) OR AB (overweight* or obese* or adipos*)
#1	83,164	(MH "Obesity")

Web of Science (1900-Present)

#7	32	#6 AND #5 Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years
#6	918,969	#4 OR #3 OR #2 OR #1 Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years
#5	573	TS=("7 keto" or 7-Keto or 7-Keto-DHEA or 3-acetyl-7-oxo-dehydroepiandrosterone or "3 acetyl 7 oxo dehydroepiandrosterone" or 3-acetyl-7-oxo-DHEA or "3 acetyl 7 oxo DHEA" or 7-oxo-DHEA or "7 oxo DHEA" or 7-oxodehydroepiandrosterone or "7 oxodehydroepiandrosterone" or 7-ketodehydroepiandrosterone or "7 ketodehydroepiandrosterone" or 7-oxoprasteron or "7 oxoprasteron" or 7-ketoprasteron or "7 ketoprasteron" or 3-acetyl-7-oxo-DHEA or prasterone or "3β-Hydroxyandrost-5-ene-7,17-dione" or "3beta-Hydroxyandrost-5-ene-7,17-dione" or "5-Androsten-3β-ol-7,17-dione" or "5-Androsten-3beta-ol-7,17-dione" or "3-acetoxyandrost-5-ene-7,17-dione" or 7?-hydroxy-dehydroepiandrosterone or 7alpha-hydroxy-dehydroepiandrosterone or 7?-OH-DHEA or 7alpha-OH-DHEA or 7-oxo-DHEA-3?-sulfate or "7 keto naturalean" or 7-keto naturalean or "Lean system 7" or HUM5007) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years
#4	105,385	TS= ("metabolic rate" or "energy metabolism" or "basal metabolism" or "energy expenditure") Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years
#3	279,140	TS=("body mass index" or "body-mass-index" or bmi or "quetelet index" or

		"waist-hip-ratio" or "waist-hip ratio" or "waist-to-hip-ratio" or "waist size" or "hip circumference" or hip-circumference or "waist to hip ratio") Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years
#2	74,862	TS=(body-fat-distribution or "body fat distribution" or body-fat-pattern* or "body fat pattern" or "fat load" or "body lipid" or body-constitution or "body constitution" or body-composition or "body composition") Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years
#1	646,525	TS=((((body NEAR/1 weight*) or weight-loss* or (weight NEAR/1 change*) or weight-change* or (weight NEAR/1 loss*) or weight-loss* or (weight NEAR/1 reduct*) or weight-reduct* or antiobes* or anti-obes* or overweight* or obese* or adipos*)) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years

Scopus (1788-Present)

((TITLE-ABS(overweight* or obese* or adipos*) OR TITLE-ABS((body W/3 weight) or body-weight* or weight-loss* or (weight W/3 loss*) or (weight W/3 change*) or weight-change* or (weight W/3 reduct*) or weight-reduct* or antiobes* or anti-obes*) OR TITLE-ABS(body-fat-distribution or (body W/3 fat W/3 distribution) or body-fat-pattern* or (body W/3 fat W/3 pattern*) or (fat W/1 load*) or (body W/1 lipid*) or body-constitution or (body W/3 constitution) or body-composition or (body W/3 composition)) OR TITLE-ABS("body-mass index" or body-mass-index or bmi or "quetelet index" or "waist-hip ratio" or waist-to-hip-ratio or (waist W/1 size*) or (waist* W/3 size*) or (hip W/1 circumference*) or hip-circumference) OR TITLE-ABS((metabolic W/1 rate*) or (energy W/1 metabolism*) or (basal W/1 metabolism*) or (energy W/1 expenditure*)))) AND ((TITLE-ABS("7 keto" or 7-Keto or 7-Keto-DHEA or 3-acetyl-7-oxo-dehydroepiandrosterone or "3 acetyl 7 oxo dehydroepiandrosterone" or 3-acetyl-7-oxo-DHEA or "3 acetyl 7 oxo DHEA" or 7-oxo-DHEA or "7 oxo DHEA" or 7-oxodehydroepiandrosterone) OR TITLE-ABS("7 oxodehydroepiandrosterone" or 7-ketodehydroepiandrosterone or "7 ketodehydroepiandrosterone" or 7-oxoprasteron or "7 oxoprasteron" or 7-ketoprasteron or "7 ketoprasteron" or 3-acetyl-7-oxo-DHEA or prasterone or "3β-Hydroxyandrost-5-ene-7,17-dione")))

29 Search results

The search in two international trial registers, Clinicaltrials.gov and ICTRP Database (WHO), did not yield any additional studies.

Results

Total records:	1250
Duplicates:	564
New total:	686