Answers homework question 4 – september 2021

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| 1 | Database(s): Ovid MEDLINE(R) ALL 1946 to September 23, 2021  # Searches Results  1 exp Vitamins/ 334779  2 exp Vitamin A/ 45453  3 Niacin/ 10881  4 exp Ascorbic Acid/ 43558  5 exp Vitamin D/ 63034  6 (vitamin\* or niacin or ascorbic or ascorbate).ti,ab. 267536  7 or/1-6 [Vitamins] 466653  8 exp Hormones/ 1422667  9 exp Endocrine Glands/ 430550  10 (hormon\* or endocrin\*).ti,ab. 681586  11 or/8-10 [Hormones] 1939973  12 7 and 11 [Vitamins + Hormones] 54240  13 Dermatology/ 19554  14 dermatolog\*.ti,ab. 62495  15 or/13-14 [Dermatology] 70115  16 12 and 15 [Vitamins + Hormones + Dermatology] 247 |
| 2 | Ovid Medline & Epub  1. Dermatology/ or Skin/ or Skin Diseases/  2. exp Avitaminosis/ or exp Hormone Antagonists/ or exp Hormones/ or exp Vitamins/  3. ((derm\* or skin) and (avitaminos\* or hormon\* or vitamin\*)).ti,kf. or ((derm\* or skin) adj3 (avitaminos\* or hormon\* or vitamin\*)).ab.  4. (1 and 2) or 3  Additions/Edits I would test:   * Keep Skin Diseases (MeSH) not exploded and add MeSH for desired narrower diseases, example: Atopic Dermatitis (MeSH) * Focus on hormone or vitamin therapies:   + Use Skin/drug effects, therapy MeSH subheadings   + Use Skin Diseases/drug therapy, prevention and control, therapy MeSH subheadings * Keep hormone and vitamin general MeSH not exploded and add MeSH for desired narrower terms, example: Vitamin B 12 (MeSH) * If specific hormone or vitamin MeSH terms used, then include specific hormone or vitamin deficiency term, if available * If still need to narrow strategy retrieval, add “therapeutic use” subheading to hormone and vitamin MeSH terms   First attempt (way too broad)  1. Dermatology/ or exp Skin/ or exp Skin Diseases/ or (derm\* or epiderm\* or skin).mp.  2. exp Avitaminosis/ or exp Vitamins/ or (avitaminos\* or vitamin\*).mp.  3. exp Hormone Antagonists/ or exp Hormones/ or hormon\*.mp.  4. 1 and (2 or 3)  Second attempt (better, but too broad)  1. Dermatology/ or Skin/ or Skin Diseases/ or (derm\* or skin).tw,kf.  2. exp Avitaminosis/ or exp Vitamins/ or (avitaminos\* or vitamin\*).tw,kf.  3. exp Hormone Antagonists/ or exp Hormones/ or hormon\*.tw,kf.  4. 1 and (2 or 3) |
| 3 | S1 exp vitamins OR vitamin$.ti,ab OR exp vitamin a OR exp “vitamin b 12” OR exp vitamin d OR vitamin$.ti,ab (I’d add thesaurus terms for the other types of vitamin B)  S2 hormones.sh OR hormon$.ti,ab  S3 (dermatology OR skin diseases OR dermatologic agents).sh or exp acneiform eruptions/ or exp dermatitis/ or exp erythema/ or exp exanthema/ or exp facial dermatoses/ or exp hand dermatoses/ or exp keratosis/ or exp leg dermatoses/ or exp lipomatosis/ or exp lupus erythematosus, cutaneous/ or exp mastocytosis/ or exp morgellons disease/ or exp necrobiotic disorders/ or exp necrolytic migratory erythema/ or exp nephrogenic fibrosing dermopathy/ or exp photosensitivity disorders/ or exp pigmentation disorders/ or exp prurigo/ or exp pruritus/ or exp pyoderma/ or exp rosacea/ or exp scalp dermatoses/ or exp sebaceous gland diseases/ or exp skin abnormalities/ or exp skin diseases, eczematous/ or exp skin diseases, genetic/ or exp skin diseases, infectious/ or exp skin diseases, metabolic/ or exp skin diseases, papulosquamous/ or exp skin diseases, vascular/ or exp skin diseases, vesiculobullous/ or exp skin neoplasms/ or skin ulcer/ or exp sweat gland diseases/ or exp xanthogranuloma, juvenile/ OR (dermatology$ OR skin disease$ OR acne$ OR derm$ OR erythema).ti,ab  (I’d add additional free text terms that represent all the thesaurus terms for skin diseases.)  S5 1 AND 2 AND 3  Is this a scenario where using supplementary concepts would be useful? I’m only passingly familiar with them so I’m not sure. |
| 4 | (vitamins OR hormones) AND dermatology AND (treatment outcome OR therapy OR safety OR effectiveness OR efficacy) |
| 5 | |  | | --- | | Vitamins AND hormone AND clinical dermatology | | Vitamin AND hormone AND dermatology | | ('vitamin'/exp/mj OR 'hormone'/exp/mj) AND 'dermatology'/exp/mj | |
| 6 | Yes this is exactly what I spend too much time on!  Exp Hormones/ OR Exp Vitamins/ OR Exp Dietary Supplements/ OR any of the Mesh terms that can be exploded from Vitamins [Drug Terms] OR any of the Mesh terms that can be exploded from Hormones [Drug Terms] OR exp Hormone Replacement Therapy/  (Vitamin\* OR Provitamin\* OR all of the hormone mesh terms, supplementary concepts and entry terms OR all of the vitamin mesh terms, supplementary concepts and entry terms OR Dietary supplement\* OR Prebiotic\* OR Synbiotic\* OR yeast adj2 dried OR herbal supplement\* OR neutraceutical\* OR neutriceutical\* OR food supplement\*).mp. OR (dietary adj2 supplement\*).mp. OR (yeast adj2 dried).mp.  AND  Exp Skin Diseases/ OR Exp Skin Manifestations/ OR Exp Skin/  (Skin Disease\* OR all more specific mesh terms and entry terms as keywords).mp. OR (Skin adj2 Manifest\*).mp. OR (all more specific mesh terms and entry terms as keywords).mp. OR (all more specific mesh terms and entry terms as keywords) OR derma\*.mp.  Is it worth adding concepts of therapy/drug therapy/therapeutic use into the strategy? Would have to talk to the research team and test. |
| 7 | Vitamin\* and (hormones, hormone substitute or hormone receptor agonists/therapeutic use) and (dermatology or skin disease\*/drug therapy) |
| 8 | (Vitamins OR Avitaminosis OR Vitamin deficiency OR Retinoids) AND (Hormones OR Dermatologic agents) AND (“Clinical dermatology” OR Skin OR Dermatology OR Skin manifestations) |
| 9 | ((exp Avitaminosis/ OR exp Vitamins/ OR exp Vitamin K/ OR Exp Vitamin B 12/ OR exp Vitamin E/ OR exp Vitamin D/ OR exp Riboflavin/) or (Vitamin\* OR Provitamin\* OR Cobalamin\* OR Eritron OR Tocopherol\* OR Cholecalciferol OR Ergocalciferols OR riboflavin)) AND ((exp Hormones/ or exp Hormone Antagonists/) or (melatonin or hydroxycorticosteroid\* OR glucocorticoid\* OR 17-ketosteroid\*)) AND ((Dermatology/ OR exp Skin Diseases/ OR exp Skin Manifestations/ OR exp Dermatologic Surgical Procedures/ OR exp Dermatologic Agents/) or (Dermatolog\* OR Dermatos\* OR Cellulite OR Dermabrasion OR Antipuritic\*)) |
| 10 | (a) Step A: extract they key terms:  vitamins  hormones  dermatology  (b) Step B: search terms in Pubmed Mesh  vitamins :  micronutrients  hormones:  Anabolic Agents  Androgens  Cannabinoid Receptor Modulators  Cannabinoid Receptor Agonists  Cannabinoid Receptor Antagonists  Estrogens  Estrogens, Non-Steroidal +  Glucocorticoids  Incretins  Mineralocorticoids  Progestins  dermatology:  Skin Diseases  Step C: I searched the original terms and got 0 results.  ((vitamins) OR hormones) AND dermatology |
| 11 | 1 Skin/ or Skin Diseases/  2 Skin Neoplasms/  3 Wound Healing/  4 Skin Care/ or Skin Aging/  5 Dermatologic Agents/  6 Skin Manifestations/  7 Dermatology/  8 (skin diseases or synonyms or dermatolog\*).ti,ab.  9 or/1-8  10 Hormones/ OR synonyms  11 Vitamins/  12 Vitamin E/  13 Vitamin D/ OR synonyms  14 (hormone\* or vitamin\* OR synonyms).ti,ab.  15 or/10-14  16 9 and 15  17 Animals/  18 16 not 17  19 18  20 limit 19 to (english language and yr="2011 -Current") |
| 12 | "Dermatology"[Mesh] OR "clinical dermatol\*"[tiab]  "Hormones"[MESH] OR "hormone\*" OR "Vitamins"[Mesh] OR vitamin[tiab]  (This gives me 973 results. Usually our researchers ask more specific questions so I'm stumped as to how I would narrow this down at the moment.) |
| 13 | Vitamin OR vitamins (more terms) AND hormone OR hormones (more terms) AND dermatology (more terms) OR “clinical dermatology” |
| 14 | ("Dermatologists"[Mesh] OR "Dermatology"[Mesh] OR "Skin Manifestations"[Mesh] OR "Skin Diseases"[Mesh] OR "Skin"[Mesh] OR (add appropriate keyword synonyms here))  AND  ("Vitamins"[Mesh] OR "Vitamins" [Pharmacological Action] OR "Provitamins"[Mesh] OR "Vitamin B Complex"[Mesh] OR (add appropriate keyword synonyms here))  AND  ("Hormones"[Mesh] OR "Hormones" [Pharmacological Action] OR "Adrenal Cortex Hormones"[Mesh] OR "Gastrointestinal Hormones"[Mesh] OR "Gonadal Hormones"[Mesh] OR "Hormones, Ectopic"[Mesh] OR "Peptide Hormones"[Mesh] OR "Thymus Hormones"[Mesh] OR "Thyroid Hormones"[Mesh] OR "Hormone Replacement Therapy"[Mesh] OR "Melatonin"[Mesh] OR (add appropriate keyword synonyms here)) |
| 15 | 1 "hormones, hormone substitutes, and hormone antagonists"/ or dermatology/  2 organic chemicals/ or "hormones, hormone substitutes, and hormone antagonists"/ or provitamins/ or hormones/ or vitamins/  3 1 or 2  4 limit 3 to humans |
| 16 | At it's most basic my search would be:  exp vitamins/ or vitamin\*.ti,ab,kf.  AND  exp hormones/ or hormone\*.ti,ab,kf.  AND  exp skin/ or exp dermatology/ or (skin or dermis or corium or epidermis or dermatol\*).ti,ab,kf.  But I really want to know if the patron wants all vitamins, vitamins and minerals, other micronutrients, etc and then I would add those into the "vitamins" concept with their corresponding MeSH terms and keywords. Hormones as well: which ones? All human hormones? And add those into the "hormones" concept with MeSH terms and keywords. For the dermatology concept, I'd want to know more specifics: what outcomes are they looking for? The effect of vitamins and hormones on a specific disease or process like skin aging? Recovery from a disease? Susceptibility to a disease? Are they looking at vitamin/hormone supplementation? Topical treatments? I would want to dig into the MeSH terms and keywords to be as specific as possible for these concepts. |
| 17 | 1. dermatology/ OR exp dermatologic agents/ OR exp skin care/ OR exp skin diseases/  2. (Dermatolog\* OR skin disease\* OR skin care).ti,ab.  3. exp patients/ OR patient care/  4. (patient\* OR patient care OR clinical).ti,ab.  5. exp hormones/ OR exp hormone replacement therapy/ OR exp "hormones, hormone substitutes, and hormone antagonists"/  6. (hormone\*).ti,ab.  7. exp vitamins/  8. (vitamin\*).ti,ab.  9. #1 OR #2  10. #3 OR #4  11. #5 OR #6  12. #7 OR #8  13. #9 AND #10 AND #11  14. #9 AND #10 AND #12  15. Limit for date; humans; English language; etc. |
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| 19 | Exp Vitamins [Mesh] OR Exp Hormones OR Exp Hormone Replacement Therapy OR (specific vitamins or hormones listed in titles and abstracts)  AND  Exp Skin Disease [Mesh] OR (dermatol\*.ti.) OR (skin.ti.) OR (list specific names of dermatologic conditions in title or abstract like rosacea, melanoma, alopecia, etc.)  Narrow with RCT limits:  ((randomized controlled trial.pt. or controlled clinical trial.pt. or randomized.ab. or placebo.ab. or drug therapy.fs. or randomly.ab. or trial.ab. or groups.ab.) not (exp animals/ not humans.sh.))  Combine with (OR) second search results limited to systematic reviews and meta-analyses |
| 20 | (Hormones, Hormone Substitutes, and Hormone Antagonists [MeSH] OR hormone\*[tiab] OR Vitamins [MeSH] OR vitamin\* [tiab]) AND (Dermatology [Majr] OR dermatolog\*[tiab] OR (Skin Diseases/therapy[Majr] OR Skin Diseases/drug therapy [Majr])) AND Humans [MeSH]  Given more time, I would OR in more text words for the concepts hormones, vitamins, and the treatment of skin problems, and also OR in narrower terms for different skin maladies, vitamins, and hormones. |
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