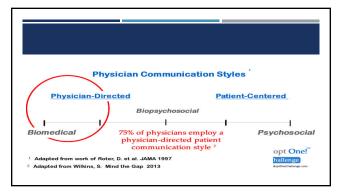
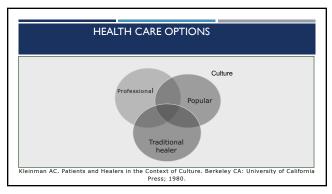




# WHY NOT JUST TREAT ASTHMA AND AR WITH STANDARD APPROACHES? Do not achieve adequate control Experience adverse effects with conventional agents Believe CAM may be better (safer) Don't find conventional treatment compelling (trustworthy) Find CAM therapists offer more personal attention, hope, time Find CAM therapies consistent with their values, world view, and culture











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## Increasing evidence that disturbances in gut microbial composition play a role in the pathophysiology of immune-mediated disorders Prebiotics are foods that act as food for human microflora Probiotics are "live microorganisms, which when administered in adequate amounts, confer a health benefit on the host": lactobacilli indidobacteria yeast Saccharomyces boulardii

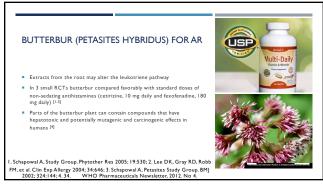
I.WHO

Synbiotics combination of prebiotics and probiotics

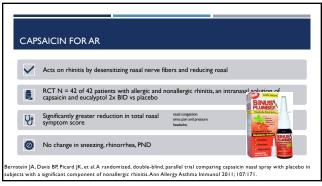






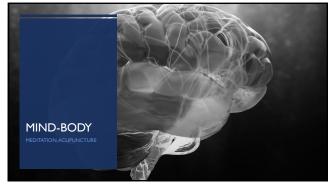












### ACUPUNCTURE FOR ASTHMA AR AND **ALLERGIC CONJUNCTIVITIS**

- Imbalance of qi
- A systematic review of 11 RCTs determined that acupuncture was not associated with significant clinical improvements in asthma [1]
- Studies of acupuncture for the treatment of allergic rhinitis have shown mixed results, with most rigorous showing very modest clinical benefit [2]
- 2015 practice guideline suggested potential use of acupuncture for allergic rhinitis or allergic conjunctivitis included limited data supporting its use<sup>[9]</sup>
- McCarney RW, Brinkhaus B, Lasserson TJ, Linde K. Cochrane Database Syst Rev 2004; C0000008
   Lee MS, Pittler MH, Shin BC, E. Al Ann Allergy Asthma Immunol 2009; 102:26919
   Seidman MD, Gurgel RK, Lin SY, et al..



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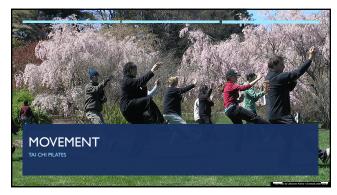
### **BODY-BASED PRACTICES**

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### **BODY-BASED PRACTICES**

- $\blacksquare$  One study of parents giving massage therapy to their children for 20 minutes QD x I mo  $^{[1]}$
- $\,\blacksquare\,$  Children 4 to 8 years of age had better results than those between 9 to 14 years
- Younger has attitude toward asthma and pulmonary function improve
- Chiropractic care
- 80 children received either active spinal manipulation or a simulated technique [2].
- At two and four months of therapy no differences in morning peak flow, symptoms, use of beta-agonists, quality of life measurements, spirometric measurements, or airway responsiveness

  - Field T, Henteleff T, Hernandez-Reif M, et al. J Pediatr 1998; 132:85463
     Balon J, Aker PD, Crowther ER, et al.. N Engl J Med 1998; 339:1013.

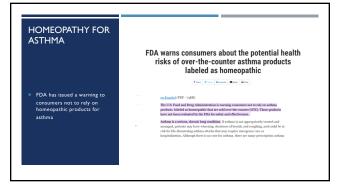












### TCM FOR ASTHMA AND AR

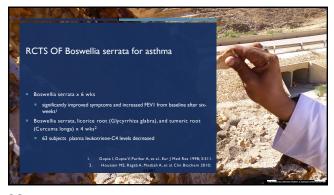
- TCM for allergic rhinitis
- Meta-analysis of 12 RCTs<sup>1</sup>
- TCM significantly improved quality of life compared with placebo

  No difference in symptoms of itchy nose, sneezing, or total nasal symptom scores
- More study needed
- TCM for asthma Mai Men Dong Tang (mMMDT), Ding Chuan Tang, STA-1, antiasthma herbal medicine intervention, augmented Yu Ping Feng San (aYPFS), Cordyceps sinensis, Bu Shen Fang Chuan, Bu Shen Yi Qi
- ASHMI has received investigational new drug approval in the United States.
- Meta-analysis of 29 RCTs<sup>2</sup>
- Positive effects on lung function, asthma control, rates of exacerbations and medication usage
- Overall quality evidence was low, with high risk of bias in most studies
  - Zhang X, Lan F, Zhang Y, Zhang L.. Allergy Asthma Immunol Res 2016
     Shergis JL, Wu L, Zhang AL, et al.. J Asthma 2016; 53:6





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### AYURVEDIC HERBS FOR ALLERGIC RHINITIS

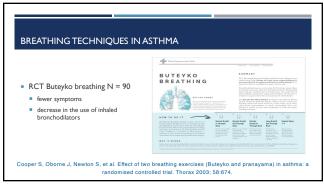
- Mixture of seven Indian herbs
- Albizia lebbeck, Terminalia chebula, T. bellerica, Phyllanthus emblica, Piper nigrum, P. longum, and Zingiber officinale)
  - RCT N = 545 with AR
  - Significant improvement in congestion, rhinorrhea, and sneezing at 6 and 12 weeks

Saxena VS, Venkateshwarlu K, Nadig P, et al. Int J Clin Pharmacol Res 2004; 24:79.

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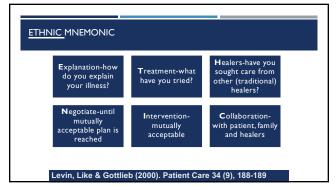
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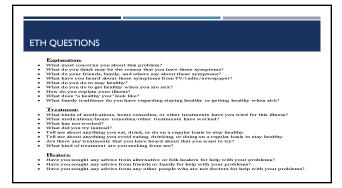


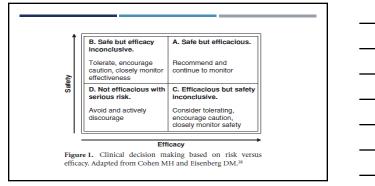












RESPONDING TO REQUESTS FOR CAM
I. exploring the reasons for his/her interest
2. assessing current asthma/health status and quality of life
3. reviewing and documenting medical evaluation and certainty of asthma diagnosis
4. discussing shared goals for disease and/or symptom control
5. sharing information about pros and cons
6. expressing willingness to gather and share additional information
7. describing ways for patients to assess responses to CAM therapies
8. documenting discussions, including potential adverse effects of particular CAM therapies

		ne Overview Checklist		
Hame:	Name: Date of Sirtle			
Allergion				
What complementary, alternative, or integrative a	medical therap		How offeat	
□ Acquireasure		□ Betanicals		
□ Acuruscture		□ Dietary Supplements		
Alexander technique		☐ Herby & herbal products		
D. Aquatic therapy		□ Mineralz		
D Aromehersey		☐ Probjetice		
☐ Art therapy		Special Dietz		
□ Biofeedback		□ Wtaming		
☐ Browthing exercises		Other		
D Buteviko				
☐ Chiropeactic manipulation		Whole Redical Systems & Realers	How offen?	
D Gystals		□ Apurveda		
□ Opping therapy		□ Homeopathy		
☐ Electromagnetic field manipulation		□ Hot/cold balance		
☐ Guided imagery		□ Humoralism		
□ Hypeosts		☐ Naturopathy		
☐ Laying on of the hands		☐ Spiritual guides		
□ Light therapy		Traditional Chinere Medicine		
□ Magnetz		□ Traditional healers		
□ Marrage		Other:		
□ Meditation				
□ Mental health counseling/talk therapy				
D Mindfulners-based stress reduction				

Integrative Medicine Index of Natural Products For Provider or Patient Reference					
Name:	Date of Birth				
Allenden					
91					
□ Arai	□ Buralyptus	□ Pomegranate			
□ Alfalfa	□ Baropean elder/Elderberry	□ Probletics			
□ Alos	□ Baropean mistletos	□ Propoliz			
D Also wera	☐ Brening primrore oil	Pytropnol     Ourroifa			
☐ Artertolochie actide ☐ Arien dinzene	D Ferragrank	□ Querostin □ Bad Gerer			
D Artranduz	☐ Rah oil/EFA/Omega-3 fatty acids	D Red years or red years rice			
D Bariflus coasulans	☐ Ranned or Sanned oil	D Roman chamomile			
□ Belladonna	☐ Folute or folic acid	Sarcharomyces boulardi			
□ Bifidobacteria	□ Gartic	D 5-admoral 1-methionine (SANe)			
□ Bilberry	D Ginger	D Sage			
D Rictia	□ Ginkero	D Say colmetto			
□ Bitter orange	☐ Ginzenz American	□ Selenium			
□ Black cohorh	☐ Ginzeng, Panax	□ Sena			
□ Black position	☐ Ginzeng Sherian	□ Spirolina			
D Black tea	☐ GLA/Omega-6 fatty acids	D Soy			
□ Bladderwrack	☐ Glucoramins hydrochloride	□ St. John's Wort			
□ Blessed thústle	☐ Glocosamine sulfate	☐ Stinging nettle leaf			
□ Blond psylium	□ Goldenreal	□ Sun's Soup (selected vegetables)			
□ Blue-green algae	☐ Graps need satract	□ Teatree oil			
□ Blockery	D Hawtheen	D Thunder god vine			
□ Boron □ Resmelata	☐ Green tea	□ Turneris □ Vitania A			
□ Bromelain □ Butterbur	☐ Roodia ☐ Rorre chertrest	□ Vitania A □ Valetan			
D Calcium	☐ Horsetall	D. Vitamin R-1 (Mismine)			
D Carron	☐ Reference culture	□ Vitamin 8-3 (Mismine) □ Vitamin 8-2 (riboflavin)			
D Calment	☐ lodine	D Vitania 8-2 (stania)			
	Li logine	onducting an Integrative Health Interview.			

### **TAKEAWAYS**

- Integrative medicine is patient-centered care that focuses on the whole person; is informed by evidence; and
  makes use of all appropriate therapeutic approaches, healthcare professionals, and disciplines to promote optimal
  health and healing
- neatin and meaning

  E vidence supporting the use of CAM to improve asthma is limited

  Most studies suggest that such an effect, if present, is small.

  The risks and benefits of such an approach should be considered on a case-by-case basis

  Studies of acupuncture for AR have shown modest benefit
- There are several herbal therapies that have demonstrated efficacy for AR, including Ayurvedic mixes, butterbur, and Tinospora cordifolia
- Nasal sprays consisting of dilute solutions of capsaicin have shown efficacy for AR when administered several
  times daily

Bielory, L UTD 2020 Complementary and alternative therapies for allergic rhinitis and conjunctivitis Martin, RJ UTD 2021Complementary, alternative, and integrative therapies for asthma