Brothers and Sisters, I am here to tell you about the healing power of the laying on of hands. Yes, you too . . .

Make Patient Lots Better, Fast, with No Pill?

- "If a person (a) is poorly, (b) receives treatment intended to make him better, and (c) gets better, then no power of reasoning known to medical science can convince him that it may not have been the treatment that restored his health."
  --Sir Peter Medawar, in *The Art of the Soluble*
- Chiropractors make almost as much as physicians and surgeons—but with only two years’ training after high school.

Quackery vs. Functional Tradition?

- the fact that some geniuses were laughed at does not imply that all who are laughed at are geniuses. They laughed at Columbus, they laughed at Fulton, they laughed at the Wright brothers. But they also laughed at Bozo the Clown.
  --Carl Sagan
- One the one hand:
“Crazy Therapies”
“Health Robbers”

On the other hand:
- Willow Bark, Foxglove, etc.
- Shaman Pharmaceuticals

DKL Labs and LifeGuard

Bonesetting Tradition for 4000 years

Chiropractic, Osteopathic, Homeopathic, Naturopathic—what’s in a name?

Homeopathy:
- Hahnemann:
  - “Like cures Like”
  - “Succussed Dilutions”
  - “Madness of George III”
- Benjamin Rush: bloodletting, mercury, arsenicals, cupping
  - “Suicidal: Took Arsenic”

Naturopathy:
- 1895
  - “Naturopathic medicine incorporates many therapeutic modalities: herbal medicine, homeopathy, nutrition, hydrotherapy, food, exercise therapy, physical therapy, manipulation of the bony and soft tissues, lifestyle and counseling. Additionally, some Naturopaths
elect to continue their education to receive a license to practice natural childbirth.“

- Chiropractic
  - "How many chiropractors does it take to change a light bulb?"
    "Only one, but it takes three x-rays and fifteen visits!"
  - Famous for High-Velocity Techniques
  - Sometimes cause arterial tears, strains, neurological problems (but then now often do WE have complications from procedures?)
  - Article from Canada from Skeptical Inquirer
- Local ads for Chiropractors
- Badness:
  - Advise against childhood immunizations
  - Tell patients to quit taking medications prescribed by DOs and MDs
  - Tell patients that cancer can be prevented and cured by spinal manipulation
- Baby with Bathwater? Total Crock?
Randy Cordle, M.D. writes: "We do not believe in doing the type of research you do in allopathic medicine. Instead, we prefer to listen to our individual patients and make decisions based on their individual outcomes." . . . in the case of hypertension and acne their methods were, "Obviously based on firm physiologic grounds." What grounds I asked? In the case of acne I was informed that the misalignment of the spine causes compression of nerves from the kidneys. This compression of "kidney nerves" caused the kidneys to fall behind in their ability to excrete toxic waste. The skin, "being the largest excretory organ of the body" has to take over when this happens. Since the skin is now having to work so hard things back up and there you have it. . . . In the case of hypertension I had to draw the line when they were telling elderly individuals that they could just stop their medications once they started getting manipulated. Once
Daniel E. Kates, M.D., from Thunderbird Samaritan Medical Center in Phoenix, Arizona, writes:

In our community, the two most recent chiropractic scams (IMHO) are related to vitamins and Phen-Fen. First, many of the chiropractors are now also getting degreed as naturopathic doctors (ND). This gives them a few more letters behind their name, and gives them the opportunity to dispense their own signature line of vitamins from their office. As we know, these supposed doctors can't prescribe medications. So they take every conceivable over-the-counter preparation and package it into a so-called medication and impress upon their patients that their preparation is the best available.

Second, some of the chiropractors in our community have begun to run Phen-Fen clinics. Since they can't prescribe medications, they have begun to hire medical doctors as supposed medical directors of their
clinics. Many of these doctors are flunkies that have been sanctioned, penalized, and stripped of admitting privileges at local hospitals. These clinics then often hire PA’s and NP’s as well to see patients and prescribe Phen-Fen under the direction of the medical doctor. In reality these people are just the grunts for the chiropractor-owners of these businesses. I know it sounds like a sordid tale, but it’s all happening in our community under the guise of a "profession" that claims its sole purpose is to realign the spine!

- Bill Jermyn, DO, FACEP, writes:
- Chiropractors are taught very few medical diagnostic skills. One of my medics went through their program in St. Louis. He showed me one of his "physiology" tests as a third year student. It had questions on it such as "The heart has how many chambers?" A. one  B. two  C. three D. four and E. five...... The rest of the test wasn’t any better. This was his highest medical training, as his fourth year was almost entirely marketing, political process, legal,
He was very knowledgeable in how to make a bunch of money off the insurance companies with those stupid total body x-rays (HAVE YOU EVER SEEN ONE OF THOSE 6 FOOT TALL FILMS!!!?), but he couldn't diagnose his way out of a paper bag. To make matters even worse, I compared some manipulation skills and techniques with him......No comparison; strictly shotgun techniques with little or no isolation or understanding of what he was trying to accomplish. And I slept through most of my OMT classes twenty years ago!

- Licensed in all 50 states and several foreign countries
- Invented by Daniel D. Palmer in late 1800’s, a phrenologist and magnetic healer
- Spiritualist medium told him to search for "the single cause of all disease."
- In 1895 restored hearing of a janitor by spinal manipulation, so developed the theory that
subluxations of the spine interfere with nerves, preventing the flow of the **Innate Life Force** to specific organs and thus causing all disease.

- "Subluxations" of the spine have never been demonstrated in any way that adheres to modern scientific practice, despite years of chiropractic practice. The first attempt (failed) to demonstrate this was by Dr. Suh at the University of Colorado in 1972.
- The American Chiropractic Association (ACA) still permits members to subscribe to this belief, and to tell patients that they can cure all manner of disease by spinal manipulation. True, there are reform organizations such as the National Association of Chiropractic Medicine (NACM) but this represents only a minority of practitioners.

➤ Osteopathy:
- Andrew Jackson Still, right after Civil War, laying his head on swing
- All disease caused by "subluxations" causing problems with blood flow
- "Allopathic" medicine (term coined by osteopaths): still in George III mode
• Captured the bonesetter traditions scorned by traditional medicine (surgery for barbers, touching a patient distasteful: uromancy, for example)
• As with Allopathy, gradually moved into the modern world, and now DOs are comparable to MDs.

➤ Conditions in the ED:
  • Subluxation = Stuck facet
  • Piriformis syndrome
    • aches in buttock, not back
    • hard to walk up steps
    • dyspareunia in females
    • night pain
    • suggestive mechanism for local trauma or spasm
      • point tenderness in mid-buttock
      • antalgic gait
      • equivocal SLR test
      • leg held in external rotation
      • normal sensory/motor/DTR exam
      • pain on forced internal rotation of extended thigh (Frieberg sign)
      • weakness of abduction/external rotation (have seated patient press out with knees)
      • + Trendelenberg's Test (patient stands and alternately raises each
foot; when standing on affected side, opposite gluteal cleft falls instead of rising)

- Stuck rib

- **Otolith Repositioning**
  - HallPike/Nyen-Barani: diagnostic
  - Epley: curative
  - Semont: both diagnostic and curative
  (Mercy website diagram)

- **Cases:**
  - 24 year old man with sciatica after church
  - 92 year old man after pulling stumps with a come-along
  - 44 year old housekeeping employee
  - 86 year old retired pathologist from Johnstown
  - 19 year old woman falls while backpacking
  - 27 year old carpenter with severe sciatica after work
  - 24 year old PAT bus driver who turned and has severe thoracic back pain.
  - 24 year old very skeptical senior EM resident named Ian Greenwald

- **Tai Chi/katas:** Tom Stair and psychomotor skills exercise during Grand Rounds