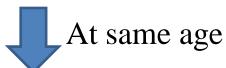


#### A study in the British Medical Journal:

Grand father – "X" sperm



Grand son - "X/2" sperm

#### Conclusion

- -42% decrease in average sperm count
- 20% decrease in the average volume of semen

- Carlson E, Giwercman A, Keiding N et al. Evidence for decreasing quality of semen during the past 50 years. BMJ 1992; 305: 609-13.

### The New England Journal of Medicine:

- The proportion of motile sperm declined at the rate of 0.6% per year
- The proportion of normal shaped sperm declined at the rate of 0.5% per year
- Both the quantity and quality of sperm are declining
- ❖ Jacques A, et al. "Decline in Semen Quality Among Fertile Men in Paris During the Past 20 Years, "New England Journal of Medicine, Vol 332, No. 5, February 2, 1995, pgs 281-285

• 31% of men

- 18 59 years
- 43% of women
- Have significant sexual concerns or problems
- Laumann EO, Paik A, Rosen RC. Sexual dysfunction in the United States: prevalence and predictors. JAMA 1999;281:537–44.
- ED essentially matches the age at each decade
- 40% among persons aged 40 years and 70% among those aged 70 years.
- Feldman HA, Goldstein L, Hatzichristou DG. Impotence and its medical and psychosocial correlates: results of the Massachusetts Male Aging Study. J Urol 1994;151:54–61.

• Significant number of men with ED report mild-to-moderate symptoms of depression

• Depression scale remain elevated when ED is unresponsive to treatment

- Seidman SN, Roose SP, Menza MA, Shabsigh R, Rosen RC. Treatment of erectile dysfunction in men with depressive symptoms: results of a placebo-controlled trial with sildenafil citrate. Am J Psychiatry 2001;158:1623–30.

• The <u>World Health Organization</u> and The Office of the Surgeon General of the United States have declared that sex is a <u>basic human right</u> and an integral part of life.

- World Health Organization draft working definition, October 2002. Available: <a href="https://www.who.int/reproductive-health/gender/glossary.html">www.who.int/reproductive-health/gender/glossary.html</a>



Dharma Artha Kāma Mokshānām Ārogyam Moolam uttamam...|| Charaka

# Vajikarana

येन नारीषु सामर्थ्यं वाजिवल्लभते नरः | व्रजेच्चाभ्यधिकं येन वाजीकरणमेव तत् || Ch. Chi. 2/4/51



On average, a normal stallion produces 35,000 spermatozoa per second concept of valikarana - Dr. Santhosh B

### Charaka

अच्छायश्चैकशाखश्च निष्फलश्च यथा दुमः । अनिष्टगन्धश्चैकश्च निरपत्यस्तथा नरः ॥

चित्रदीपः सरः शुष्क तृणपूल पुरुषाकृति



• Infertile man - Nindya

• Give birth, to a get rid of Pitruruna

Attain Parlokeshna





### Sushruta

आप्यायन निमित्त – अल्प रेतस

प्रसाद निमित्त – दुष्ट रेतस

उपचय निमित्त – क्षीण रेतस

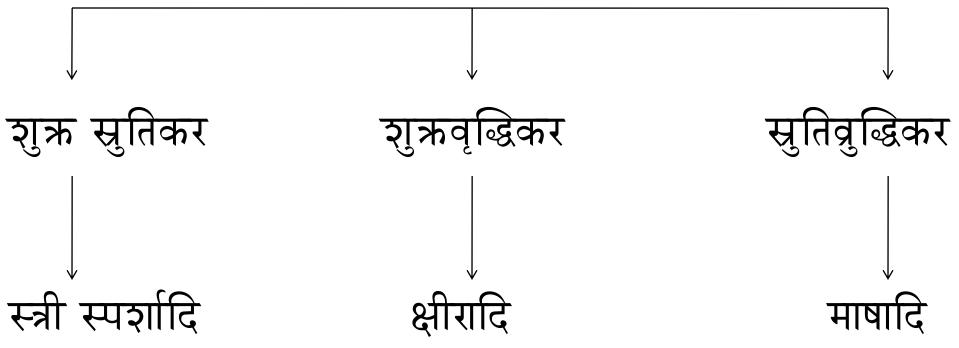
जनन निमित्त – विशुष्क रेतस

Su. Su. 1/16



### Dalhana

### वाजीकरणभेदास्त्रयं



### Sexual characterization

- o Bruhat shareera bhalina narisu durbala
- Alpashaya streesu balavanto
- Prakrutya abala
- Amaya durbala
- Chatakavat vrajanthi bahushaha streeyam
- Gajavat cha prasinchanti na bahu gaminaha
- Kala yoga bala
- Abhyasana druva
- o Prayatnaihi vrusha
- Swabhavataha vrusha

### Clinical characterization

- Early approach: Failure of normal coitus
- Late approach: In spite of normal coitus no conception

Under 35 yr - No conception after one year of unprotected intercourse

Over 35 yr - No conception after 6
months of unprotected
intercourse

# Grouping of etiological characterization(Sushruta) Su. Chi. 26

- मानसिक
- गुऋक्षय
- अति मैथुन
- मेद्र रोग / मर्म छेदन
- सहज

• वेगवरोध

असाध्य

### **Factors**

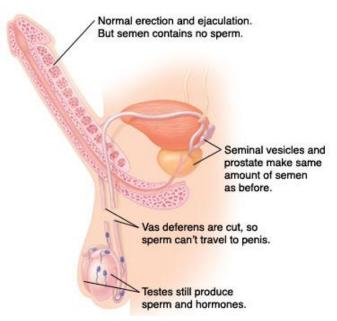
• Dhwajadhrithi

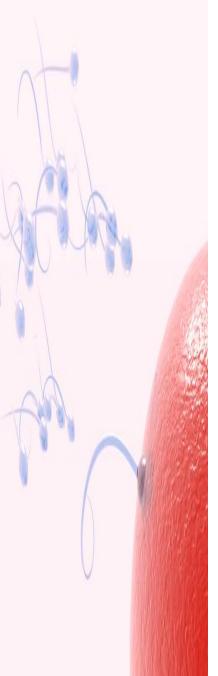
• Shukra guna

• Shukrasruthi

#### • Dhwajadhrithi:

Adequate erection and its retention responsible for facilitating the deposition of semen high up in the vagina





#### Shukra guna

- o Bahalam
- o Madhuram
- Snigdham
- o Avisram
- o Guru
- o Picchilam
- Shuklam
- o Bahu

#### Shukra dosa

- o Phenilam
- o Tanu
- o Ruksham
- Vivarnam
- o Pooti
- o Picchilam
- Anya dhatoopasamsrishta
- o Avasadi
- Ksheena

#### Shukra sruthikara bhavas

- ✓ Harsha
- ✓ Tarsha
- ✓ Sara
- ✓ Paicchilya
- ✓ Gaurava
- ✓ Anu pravana bhava
- ✓ Maruta drutatwa

#### Shukra sruthi dosa

- ✓ Avega
- ✓ Ativega
- ✓ Sheeghra Vimunchana
- ✓ Vibandha
- ✓ Vyana & Apana Dusti



## Treatment Principles

- Swasthey vajikarana
- Shukra dosha hara
- Shukra sruthi dosha hara
- Klaibya hara
- Miscellaneous Chikitsa as said in the Roga Adhikara

# Swasthey vajikarana

एते वाजीकरा योगाः प्रीत्यपत्यबलप्रदाः

सेव्या विशुद्धोपचितदेहैः कालाद्यपेक्षया

Su. Chi. 26/39

### Shukra dosahara

yatha dosha sneha swedadi kriya

+

#### Uttara basti

Vata – Niruha, Anuvasana

Pitta – Abhayamalaki rasayana

Kapha – Magadhi, amalaki, loha, triphala, bhallataka rasayana

### Shukra sruthi dosha hara

- Shukra gata vata
  - Vatahara & Vajeekarana

- Shukravruta vata
  - Shukra vega nirodha chikitsa

# Klaibyahara

- Samanya chikitsa
  - Snehana, swedana, sneha virechana
  - Asthapana, anuvasana

- Vishesha chikitsa
  - BeejopaghatajaJara sambhavaVajikarana
  - Kshayaja

• Dwajopaghataja – pradeha, parisheka, raktha mokshana etc vrana vat kriya

# Factors infulencing vajeekarana

- Purusha bhava
- Stree bhava
- Kriya bhava
- Rutu bala bhava
- Mano bhava

### Purusha bhava

- Nirvyadhi
- Nityaga
- Yuva
- Samkalpa

### Stree bhava

vajeekaranam agryam cha ksetram stree

 Stree ashrayo heendriyartho yah sa preetijanano adhikam

 Suroopa, youvanastha, kalasu kushala, vashya, sheela-shoucha samanvita....

# Kriya bhava

• <u>Ahara</u>

Grita kshreeashana

Vajeekarana yogas

• <u>Achara</u>

Abhyanga

Utsadana

Snana

Gandha malya vibhushana

Gruha shayyasana sukhah

### Rutubala bhava

• Greeshma – once in 15 days

• Vasantha, sharath – once in 3 days

Pravrit – on sunny day

• Shishira, hemantha- as per wish

### Mano bhava

यत् किन्चिन्मधुरं स्निग्धं जीवनं गुरु हर्षणं मनसश्चैव सर्व तद् वृष्यमुच्यते

Ch. Chi. 2/4/36

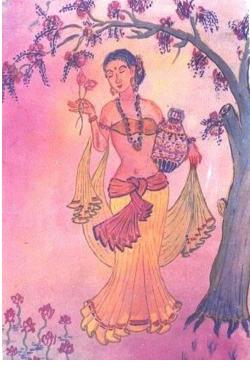
concept of vajikarana - Dr. Santhosh B

### Discussion

• Sex education:

सुरूपा यौवनस्थ.....

...... शिक्षिता य च सा स्त्री वृष्यतमा मता









### Nidana parivarjana







### Conclusion

Educating the mass is needed

 Proper understanding of different factors related to vajikarana is required





# Thank you...

