





# Rasoushadhis In Pediatric Practice

Vd. Santhosh B.  
Dept. of Rasashastra



# *Can they be used?*



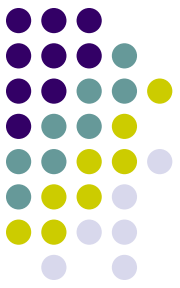
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# Introduction



- Rasoushadhis
- Pediatrics



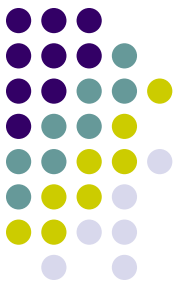


# Rasoushadhis

- Mercury and other metals and minerals
- Various *Samskaras* before use
- Preventive and curative
- *Alpamatropayogitvat.....*



# Pediatrics



- "Pediatrics is concerned with the health of infants, children and adolescents, their growth and development, and their opportunity to achieve full potential as adults."

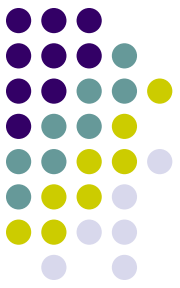
*(Richard E. Behrman in Nelson's Textbook of Pediatrics)*

# Cont...



- Pediatrics became a medical specialty in the mid-19th century
- Preventive and curative

# Growth and Development



- Six major nutrient elements carbon, hydrogen, nitrogen, oxygen, sulfur and phosphorus
- Other elements, usually metal(loid)s present in trace quantities serve critical cellular functions, such as enzyme co-factors



# Stanya – Nutrition



- Minerals:

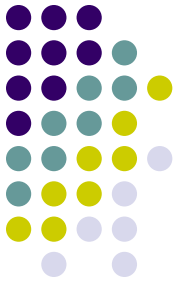
- Calcium (mg/100g) : 34
- Phosphorous : 15 (92 in cow's milk)
- Iron (mg/L) : 0.5 (well absorbed)
- Zinc : 4

# Diseases

- Vaccines
- Medicines



# Vaccines – Suvarna Kalpas ?



- Souvarna sukrutam churnam kushtam madhu ghrtam vacha
- Matsyakshaka shankapushpi madhu sarpi sakanchanam
- Arkapushpi ghrtam kshoudram churnitam kanakam vacha
- Sa hemachurnam kaidaryam shwetadurva ghrtam madhu
- Bala – pushti – medha



# Medicines

- Yogaratnakara:  
*bhaishajyam purvamuddhishtam mahatam  
yajjwaradishu.....*
- Sushruta and Bhaishajya ratnavali:  
*.....atastadeva bhaishajyam maatra tvasya  
kaniyasi*

# Dose



- Clark's rule
- Fried's rule
- Young's rule
- Can they be applied to Rasoushadhis ?



# Cont...

- First month : 125 mg
- Increased by 125 mg every month
- One year : 1500 mg
- Increased by 1 gm every year
- Can this be applied to Rasoushadhis ?

# Ambikadatta Shastri (B. R.)



- Below one year : 8 mg
- Two years : 18 mg
- Seven years : 42 mg
- Twelve years : 62 mg
- Sixteen years : 125 mg

# Common Diseases



- Jwara
- Atisara
- Utp hullika – talu kantaka
- Shwasa – Kasa
- Dantodbheda janita vikaras
- Kuposhana janya vikaras
- Graha badha
- Twak vikaras



# Rasoushadhis



- Utp hullikahara rasa (S.B.M.M.)
- Karpoora rasa (B.R.)
- Kumara kalyana rasa (B.R.)
- Dantodbhedagadantaka rasa (B.R.)

# Cont...



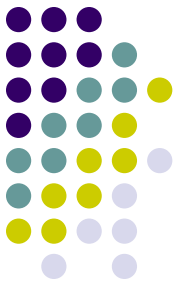
- Bala rasa (B.R.)
- Bala jwarankusha rasa (Br. Ni. R.)
- Balayakrudari rasa (Ay. Vi.)
- Balarogantaka rasa (B.R.)
- Balarka rasa (Si.Y.S.)
- Mugdha rasa (R.T.)
- Rasa parpati (Y.R.)

# Critical Analysis

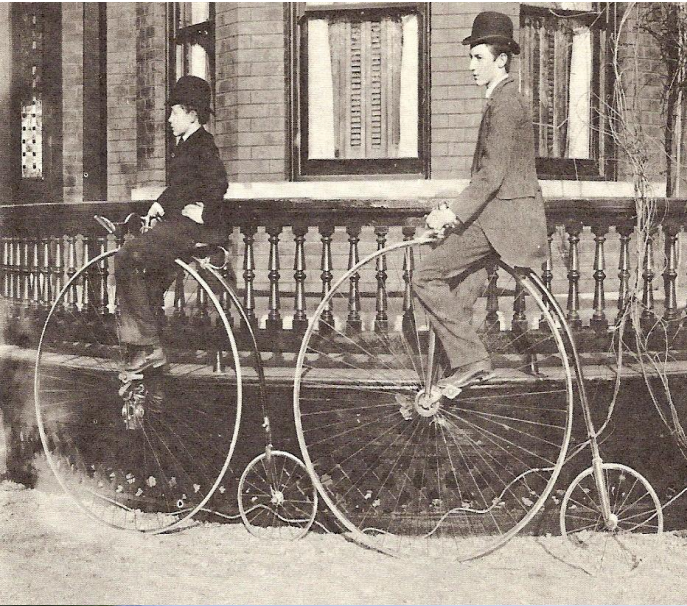
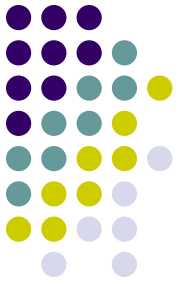


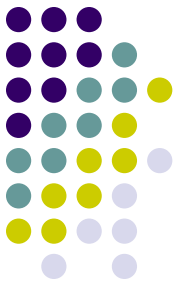
- Hg and S are invariably common
- If Hingula : 125 – 250 mg
- If Rasa sindhura : 65 mg
- If Parada bhasma : 375 mg
- If Hg + S : 10 – 15 mg
- Mugdha Rasa : 30 mg
- Rasa parpati : 4 gunja ?

# Pharmacology



# Discussion





*They can be used...*

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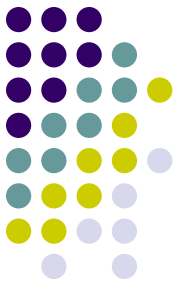


# CONCLUSIÓN



- Rasoushadhis can be used
- Hg and S are common in different forms
- Dose depends on the form of Hg and S





# Summary



- Rasoushadhis with *Alpamatra* etc qualities are best suited for paediatric age group
- They can be used safely with proper dose fixation
- Hg and S are common drugs used

