

# Short Root Anomaly (SRA): Case Report

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25/05/2023

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## Short Roots Anomaly (SRA)

Root dwarfism



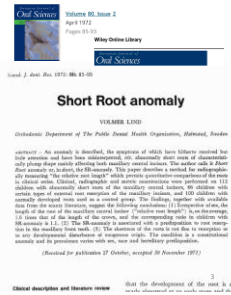
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## Short Roots Anomaly (SRA)

Lind 1972



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## Short Roots Anomaly (SRA)

- Full Root Formation
- Bilateral involvement



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## Epidemiology

- Prevalence 0.6-2.4%
- 10% Japanese
- Incidence **Higher** in female 1:2.7
- Maxillary Central incisors, 2nd Premolars
- Permanent dentition

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## When does the root considered short

- R/C 1.63 & 1.55
- < 1.1:1

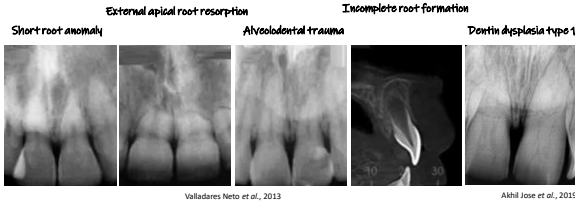


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## Differential Diagnosis



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## Aetiology

- Idiopathic
- Environmental
- Genetic
  - Dominant and recessive autosomal models

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## Biological Bases

- PTHrP
- BMP4
- BMP2
- NFI-C

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# Case Report

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Jomana

11years + 7Months



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Jomana

11years + 7Months

Dental Aesthetic

Buccally malposed  
Upper 3's



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SNA 79.3  
SNB 76.3  
ANB 3  
  
UIMP 116  
LIMP 88  
  
MIMPA 31

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### Premature extraction of primary teeth



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### Premature loss of spaces



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### Treatment Objectives

- Prevent further root shortening in the affected teeth
- Create spaces for upper canines and lower left 5
- Carefully extrude and bring the ectopically erupting teeth into alignment

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Damon brace Visit 17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120 months



Limited available spaces



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Thank You

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