

# CASE PRESENTATION



By,  
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## PRELIMINARY DATA :

- *Name : Mr. Karunakar. C*
- *Age : 54 yrs*
- *Sex : Male*
- *Occupation : Fire Fighter*
- *Marital Status : Married*
- *Address : Fire station, Kundapura*
- *Education : -*
- *OPD No : 130064 (A)*
- *IPD No : 48566*
- *First Consultation: 7/7/2007*
- *Date Of Admission : 11/06/2008*

## CHIEF COMPLAINTS :

- *Unable to walk without support – 6 months*
- *Loss of balance while walking– 6 months*

## ASSOCIATE COMPLAINTS :

- *Tingling sensation in both lower extremities (More on the right side ) -- 1 year*
- *Unable to wear shoes by own – 6months*
- *Cold Lower extremities*

## HISTORY OF PRESENT ILLNESS :

A male patient of 54 yrs came with complaints of difficulty in walking without support, Loss of balance while walking, Tingling sensation & Numbness in both lower extremities, feeling of coldness in both lower extremities . On asking about the course of illness patient narrated as , Eight years back he had went for the general check up that was carried out by government in kundapura. And after blood investigation it was found that he had elevated sugar level in blood. But according to the patient he had no complaints except increase in frequency of micturation (Polyuria) & was diagnosed as C/o DM.

For that he is taking TAB. Glinil 5mg 1 OD .And know the sugar is under control. Mean While during this he use to feel sometimes, that somebody is pushing him from backside but he neglected the complain.

During this period he was fine without complaints till 7/7/2007. when he suddenly developed tingling sensation & Numbness in both lower extremities, at first he neglected but later he consulted Dr. Shrinivasa Acharya Sir for the treatment. Initially he was been treated by oral medication on OPD basis for two month.

After two month of course he came for follow up with increase in the previous complaints along with few new one such as both knee joint pain, Lowback ache without radiating pain & feeling of pain & discomfort in both legs after walking few distance (intermediate claudication). So looking at above complaints he was hospitalized on the same day i.e 6/9/2007. And during the course of admission he underwent Arterial color doppler study both lower limbs which should changes in the Popliteal & Tibial artery , mean while he developed discoloration of skin Over the feet of both sides.

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After the treatment he was discharged on 12/9/07 with few medicines. Than after the above course once he came for the follow up on 26/9/07. than discontinued the treatment. During this period of 8-9 months he again developed few complaints like- When he use to hold/ catch some objects his hands would start shaking, decrease in hand grip (approximately 4 to 5mnts), Since 3 to 4months he complaints of having irregular motion so for these complaints he consulted an local ayurvedic physician who gave oil massage for 7days after treatment he found some relief.

After this before 2months he suddenly developed heaviness in both the lower extremities but still he neglected and continued to work but it went on increasing now he feels as if weight is been tied to his legs, he started developing difficulty in walking (needed support), and if he tries to walk without support his balance losses & he falls down.

*Conti ...*

*In later he found that power of his hand from the wrist joint is decreased & is unable to catch any object, nor he can write properly on the paper. Now he finds difficulty to get up from squatting position by own & needs support. And complaints of coldness in the both lower extremities has increase (more in calves), Patient is able to feel all types of sensation . Hence for the above complaints he is admitted on 11/6/2008 in our hospital.*



## FAMILY HISTORY:

- *All are said to be healthy*

# MARITAL HISTORY:

- *Non- consanguinity marriage*

## PAST HISTORY:

- K/c/o – Diabetes Mellitus since 8 years on Regular medicine  
Tab. Glinil 5mg 1OD
- K/c/o – ILD since 9 months
- No H/o – Hypertension
- No H/o – Trauma
- No H/o – Other systemic Disorders

# PAST MEDICINAL HISTORY:

- 7/7/2007–

1. *Kathakadiradi Kashaya* 3tsp TID
2. *Cap. Palsinuron* 1 TID

- 6/9/2007– *On Admission*

1. *Cap. Sagun* 1 TID
2. *Doshagna Lepa* (Both Knee joints)

- 12/9/2007– *On Discharge*

1. *Tab. Chandraprabha Vati* 1 TID
2. *Cap. Flexy* 1 TID
3. *Cap. Mulberine* 1 TID
4. *Abhayarishhta* 3 tsp TID
5. *Antarth* (External Application)

## PERSONAL HISTORY:

- *Diet : Mixed*
- *Addiction : Smoking*
- *Sleep : 7 to 8 hrs*
- *Occupation : Fire Fighter*
- *Bowel Habits : Irregular*
- *Micturation : 5-6time/day, 2-3time/night*

# GENERAL EXAMINATION:

- *Nutrition : Moderate*
- *Built : Normoasthenic*
- *Gait : Effected*
- *Clubbing : Absent*
- *Cyanosis : Absent*
- *Icterus : Absent*
- *Pallor : Absent*
- *Edema : Pitting edema present on both lower limbs*
- *Lymphadenopathy : Absent*

# VITAL SIGNS :

- *Pulse rate : 72/min*
- *Respiratory Rate : 26/min*
- *Blood Pressure : 130/90 mm of Hg*
- *Temperature : 98.6 °F*

# SYSTEMIC EXAMINATION:

- *Respiratory System*

*NAD*

- *Cardiovascular System*

*NAD*

- *Gastro Intestinal System*

*NAD*



# CENTRAL NERVOUS SYSTEM:

- *HIGHER MOTOR FUNCTIONS*

- *Consciousness : Intact*

- *Orientation : Time*

- Place*

- Person*

- Intact*

- *Memory : Past & Present Intact*

- *Speech : Intact*

- *No Hallucination, No Delirium, No Illusion*

• *CRANIAL NERVE EXAMINATION:*

*Ist (Olfactory Nerve) -- Sense of Smell : Intact*

*IIInd (Optic) – Visual Acuity( Distant Vision) : Normal*

*(Near Vision) : Normal*

*Visual Field : Normal*

*Color Vision : Present*

*Light Reflex : Pupils Reacting*

*Accommodation Reflex : Normal*

*CillioSpinal Reflex : Normal*

*IIIrd , IVth, VIth*

*Diplopia, Squint, Ptosis : Absent*

*Movements Of Eye Ball : Possible*

*Vth (Trigeminal) -- Clenching of teeth : Possible*

*Opening of Jaw : Possible*

*Pain*

*Temperature*

*Light Touch*

} *Present*

*Conjunctiva Reflex*

*Corneal Reflex*

} *Present*

*Jaw Jerk : Absent*

*VII (Facial Nerve) – Raising of Eyebrow :*

*Wrinkling of Brow :*

*Showing Teeth :*

*Blowing of Cheeks :*

} *Present*

*Taste Sensation (Ant 2/3<sup>rd</sup>) Tongue : Present*

*VIIIth (Vestibulo Cochlear) --*

1. *Auditory Functions– Tick's Of Watch :*  
*Rinne's Test :*  
*Weber's Test :* } *Normal*

2. *Vestibular Functions – Vertigo : Absent*  
*Dizziness : Absent*  
*Unsteady Gait : Present*

*IV, X, XIth (Glossopharyngeal, Vagus, Accessory) –*

*Taste Sensation (Post 1/3<sup>rd</sup>) Tongue : Present*

- Palatal Movements :*  
*Uvula Movements :*  
*Shrugging of Shoulders :*  
*Rotation Of Chin To Opposite Side :* } *Possible*

*XIIth (Hypoglossal) –*

*Fibrillation : Absent*

*Fasciculation : Present*

*Paresis :* } *Absent*

*Atrophy :* }

• *LOCOMOTOR SYSTEM EXAMINATION :*

*1. Muscle Nutrition : Wasting present in Right Lower & Upper Limb (Proximal) Involving Thenar & Hypothenar Surface, Guttering Present.*

<i>Extremity &amp; Part</i>	<i>Right Side</i>	<i>Left Side</i>
<i>Upper Extremity</i>		
<i>4" Above Elbow Joint</i>	<i>27.5cm</i>	<i>27.5cm</i>
<i>4" Below Elbow Joint</i>	<i>25cm</i>	<i>25.5cm</i>
<i>Lower Extremity</i>		
<i>6" Above Tibial Tuberosity</i>	<i>37.5cm</i>	<i>38cm</i>
<i>6" Below Tibial Tuberosity</i>	<i>30cm</i>	<i>35.5cm</i>

2. *Muscle Tone : Hypotone in Upper Limb & Hypertone in Lower Limb* }
3. *Muscle Power : Right Upper limb & lower limb  
Left Upper limb & Lower limb* 4/5
4. *Romberg's Test : Positive (Patient losses balance on open eyes & leans forward when eyes are closed)*
5. *Tandem walking : Positive*
6. *Finger Nose Test : Pt able to touch Nose with tip of fingers.*
7. *Finger to Finger Test : Pt unable to touch the ring finger & Little finger with thumb of both hands.*
8. *Dysdiadochokinesia : Possible*
9. *Rebound test of Gordon Holmes : Possible*
10. *Kneel-Heel Test : Not Possible*

• *Involuntary Movements :*

1. *Tremors : Present*

*Type – Simple*

*Site – Proximal Part of Upper limb*

*Rhythm – Irregular*

2. *Fasciculation : Present in resting tongue*

3. *Fibrillation : Absent*

4. *Ankle Clonus : Positive 3 to 4/min*



• Reflex :

*Abdominal Reflexes Intact*

<i>Upper Ext</i>	<i>Right</i>	<i>Left</i>
<i>Bicep</i>	<i>Absent</i>	<i>Absent</i>
<i>Tricep</i>	<i>Absent</i>	<i>Absent</i>
<i>Supinator</i>	<i>Absent</i>	<i>Absent</i>

<i>Lower Ext</i>	<i>Right</i>	<i>Left</i>
<i>Knee</i>	<i>+++</i>	<i>+++</i>
<i>Ankle</i>	<i>+++</i>	<i>+++</i>
<i>Patellar</i>	<i>Extensor</i>	<i>Extensor</i>

# SPINE EXAMINATION :

- *Inspection : Scar*

*Sinus*

*Swelling*

*Discoloration*

*Absent*

- *Palpation : Mild Tenderness at L3- L4 region*

*Doorbell Sign -ve*

- *Movements : Flexion*

*Extension*

*Lateral Rotation*

*Not Possible*

- *All Test are negative*

## Lower Limb Examination :

- *Discoloration of Skin over the both feet*
- *Pitting type of edema present on both legs*
- *Arterial Pulsation :*

*Femoral Artery : Both Sides Pulsation Felt*

*Popliteal Artery : Both sides pulsation not felt*

*Dorsalis Pedis Artery : Diminished pulsation felt on both sides.*

*Posterior Tibial Artery : Pulsation not felt*

- *On palpation both extremities are cold below knee.*

# PREVIOUS INVESTIGATIONS :

6/9/2007 :

Hb % : 15 gm%

Total Count : 11,700

ESR : 13mm/hr

Differential Count : N- 63% , L- 35% , E- 02% , M- 0% , B- 0%

• Arterial Color Doppler Study :

Artery	Right Leg	Left Leg
<u>Popliteal Artery</u>		
2D Finding	Wall thickening Noted Luminal Diameter :4mm	Wall thickening Noted Luminal Diameter :4mm
Flow Pattern	Triphasic Pattern	Triphasic Pattern
Flow Velocity	55cm/sec	55cm/sec

<i>Artery</i>	<i>Right Leg</i>	<i>Left Leg</i>
<p><u><i>Posterior Tibial Artery</i></u></p> <p><i>2D Finding</i></p> <p><i>Flow Pattern</i></p> <p><i>Flow Velocity</i></p>	<p><i>Wall Thickening Present</i></p> <p><i>Triphasic Pattern</i></p> <p><i>At Up Seg- 40cm/sec</i></p> <p><i>At Lw Seg-30cm/mm</i></p> <p><i>At Ankle- 36cm/mm</i></p>	<p><i>Wall Thickening Present</i></p> <p><i>Triphasic Pattern</i></p> <p><i>At Up Seg- 45cm/sec</i></p> <p><i>At Lw Seg-45cm/mm</i></p> <p><i>At Ankle- 25cm/mm</i></p>
<p><u><i>Anterior Tibial Artery</i></u></p> <p><i>2D Finding</i></p> <p><i>Flow Pattern</i></p> <p><i>Flow Velocity</i></p>	<p><i>Wall Thickening</i></p> <p><i>Triphasic Pattern</i></p> <p><i>At Up Seg- 40cm/sec</i></p> <p><i>At Lw Seg-25cm/mm</i></p> <p><i>At Ankle- 25cm/mm</i></p>	<p><i>Wall Thickening</i></p> <p><i>Triphasic Pattern</i></p> <p><i>At Up Seg- 35cm/sec</i></p> <p><i>At Lw Seg-40cm/mm</i></p> <p><i>At Ankle- 20cm/mm</i></p>

## ASTHAVIDHA PARIKSHA :

- *Nadi : 72/min, Manduka gati , Pulsation absent in Pt, Ant.T, Pot.T*
- *Jiwha : Alipta, Jiwhakampa*
- *Mala : Malavasthamba*
- *Mutra : Prakruta (5-6time/day, 2-3time/night)*
- *Shabdha : Prakruta*
- *Sparsha : Ksheeta sparsha both lower extremities below knee joint*
- *Drikha : Prakruta*
- *Akruti : Madhyama*

# DASHAVIDHA PARIKSHA :

- *Prakruti : Vata - Kapha*
- *Vikruti : Dosha- Kapha, Vata( vyana, samana)*  
*Dushya- Rasa, Rakta, Mamsa, Meda, Sira, Snayu*
- *Vaya : Madhyama*
- *Sara : Madhyama*
- *Samhanan : Madhyama*
- *Sathmya : Madhyama*
- *Satva : Madhyama*
- *Abhyavaran Shakti : Poorvakalin- Pravara*  
*Adhyatana- Avara*
- *Jarana Shakti : Poorvakalin- Madhyama*  
*Adhyatana - Madhyama*
- *Vyayamshakti : Poorvakalin - Madhyama*  
*Adhyatana - Madhyama*

# NIDANA PANCHAKA :

- *NIDANA :-*

- *Prameha*

- *Vatarakta*

- *POORVAROOPA :-*

- *Chimchimayana, Gaurava, Prasuptata, Shopha*

- *Kshyatyā.*

- *ROOPA :--*

- *Chimchimayana, Guarava, Prasuptata, Shopha*

- *Kshyatyā. Cheshta Sthamba, Kampa ,Mamsa Shosha*



# SAMPRAPTI GHATAKA :

- *Dosha : Kapha, Vayu(Vyana, Samana)*
- *Dushya : Rasa, Rakta, Mamsa, Meda, Sira, Snayu*
- *Mala : Purisha*
- *Agni : Manda*
- *Strotas : Cheshtavaha, Rasavaha, Raktavaha, Mamsavaha*
- *Stroto Dushti Lakshana: Sanga, Vimargagamana*
- *Udhhbhava Sthana : Ama-Pakyashaya*
- *Adhishtana : Sarvasharir*
- *Vyaktasthana : Sarvasharir*
- *Sadhya sadhyata : Sadhya*
- *Roga Marga : Madhyama*

- *UPASHAYA-ANUPASHAYA :-*

*Nothing Specific*

## • DIFFERENTIAL DIAGNOSIS :

• *Ekangavata*

• *Pakshaghata*

• *Sarvangavata – Nirupashambita*  
*Upasthambita*

• *Multiple Sclerosis*

• *Spinal Cord Compression*

• *Motor Neuron Disease- ALS*

*Progressive Muscular Atrophy*

*Progressive Bulbar Palsy*

• *FINAL DIAGNOSIS :*

• *DM/ILD / Motor Neuron Disease (ALS)*

• *Prameha & Vatarakṭa*

*Margavaranjanya Sarvangavata (Kashtasadhya)*

## • RECENT TREATMENT IN HOSPITAL

- *Abhyanaga with Mahanarayana Taila*
- *Rajayapana Basti*
- *Chyavanprasha 25gm OD 6am Empty Stomach*
- *Tab. Glinil 5mg 1 OD*

• CHIKITSA SUTRA :

- आभिष्यन्दिभिः स्निग्धैः स्तोतसां शुद्धिकरकैः ।  
कफपित्तविरुद्धं यद्यच्च वातानुलोमनम् ॥  
सर्वस्थानावृतेऽप्याशु तत् कार्यं मारुते हितम् ।  
यापना बस्तयः प्रायो मधुराः सानुवासनाः ।

(च.चि.२८/२३९-२४०)

• PATHYA-APATHYA :

PATHYA

Sarpi, Taila, Kilaat, Dadhi,  
Godhuma, Maasha, (1yrs old),  
Shashti Shali, Kulatha, Kukuta  
Mamsa, Shigru, Vartaku,  
Lashuna, Dadima, Pakvatala,  
Jambira, Badara, Draksha,  
Naranga, Dugdha, Narikela,  
Eranda Taila, Tambula,  
Matsyandika, Etc.

APATHYA

Chinta, Jagrana, Vegadharana,  
Atishrama, Atichankramana  
Navadhanya, Yava, Rajamasha,  
Mudga, Jambu, Kramuka,  
Karvelaka, Shitajala, Madhu,

A sunset scene with palm trees silhouetted against a dark, orange, and yellow sky. The sun is low on the horizon, partially obscured by clouds. The text "THANK YOU" is centered in white, bold, sans-serif font.

**THANK YOU**