



Simplifying AV Fistula Creation *‘The Royal Wave Position’*

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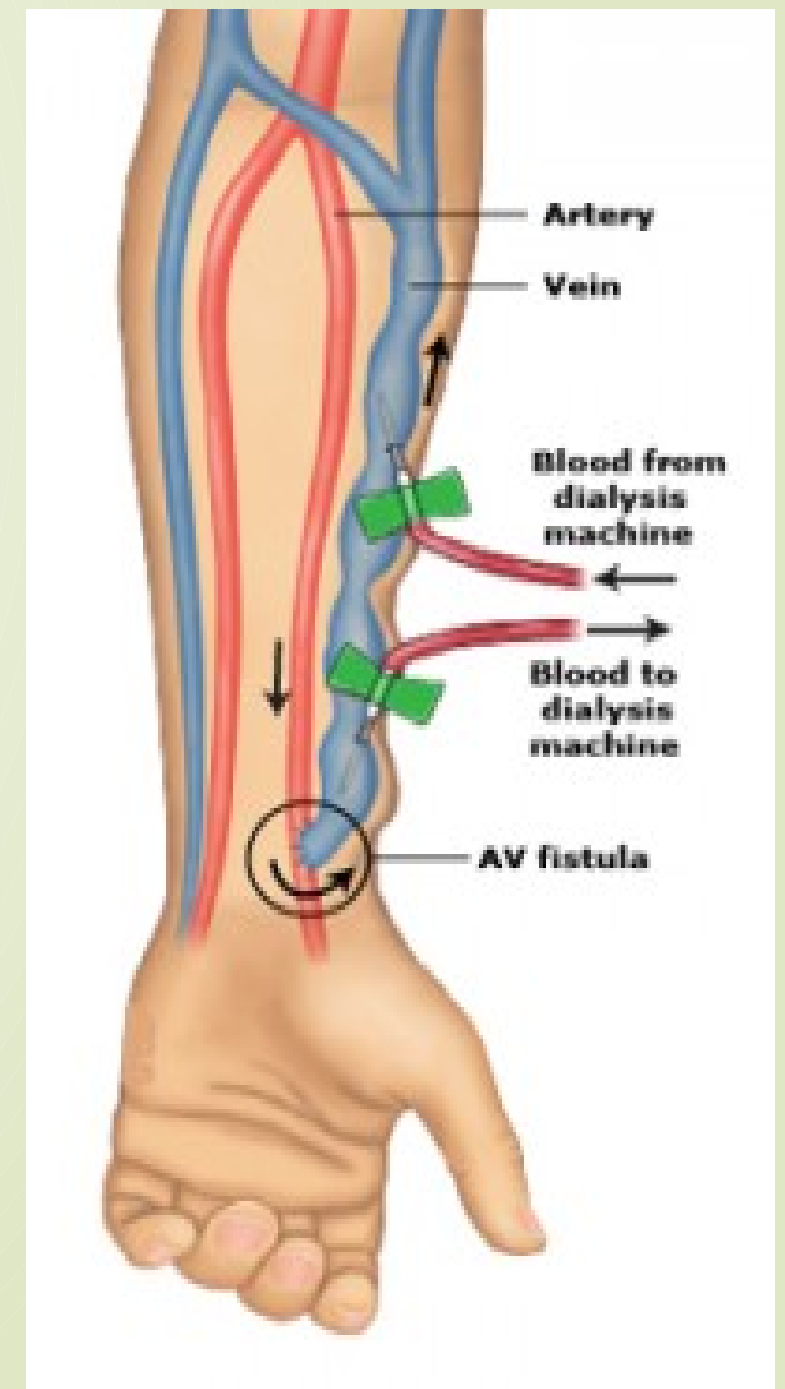
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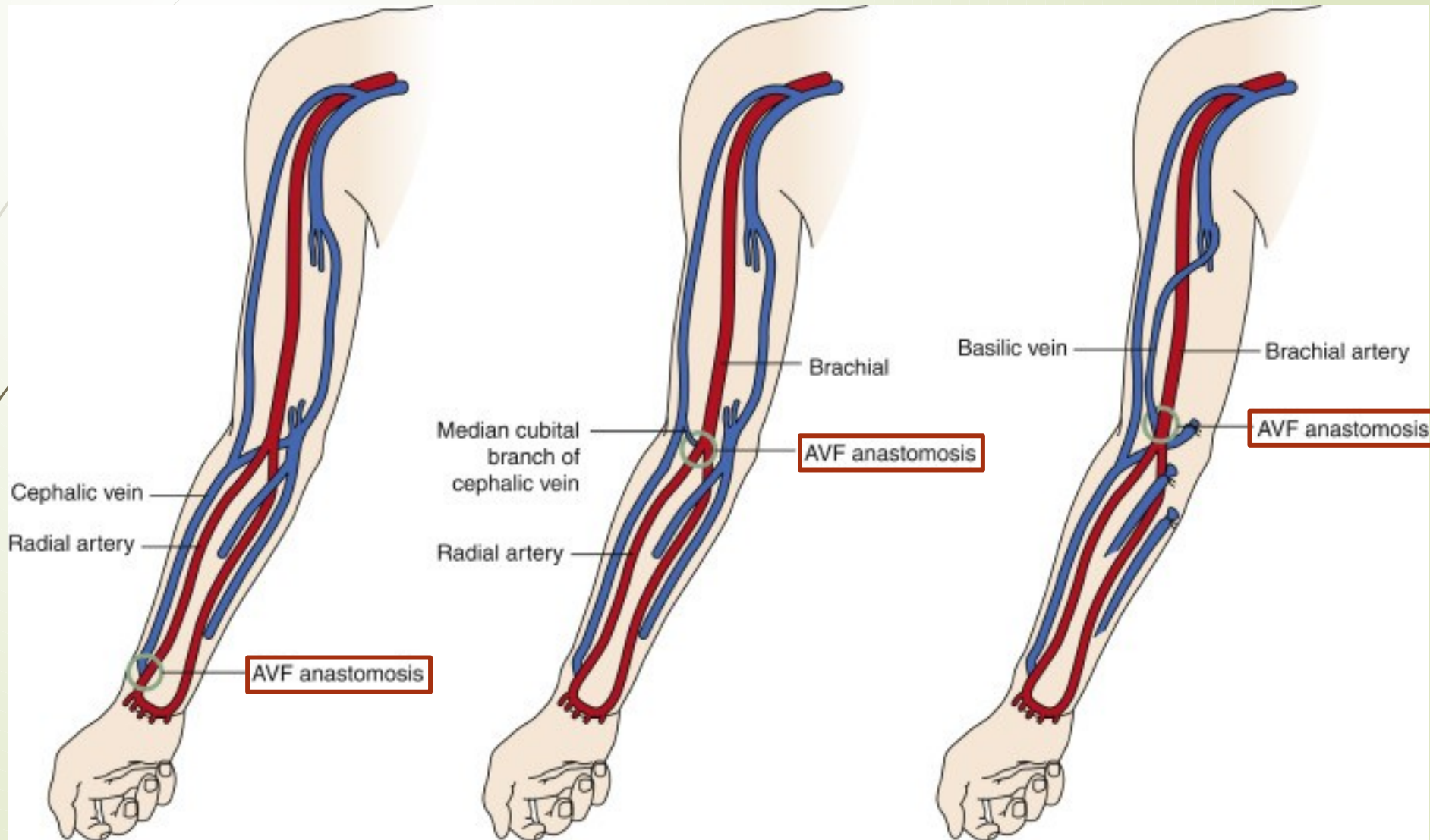
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Background

- Arterio-Venous Fistula is mandatory for hemodialysis.
- “*Fistula First*” initiative is a current practice.
- A Radio-Cephalic Arterio-venous Fistula is a Gold standard technique.



➡ Ulnar Basilic AV Fistula is a **viable alternative option**.





Why Ulnar Basilic AV Fistula is a viable option?

1. Dominant artery of the hand.
2. The Basilic Vein is usually patent.
3. Low incidence of 'Vascular Steal'
4. Low incidence of hand oedema

Difficulties of the Classical Position

Classical Position



- Prone Position
- Hyper-pronated Arm
- Extended Elbow

1. Uncomfortable position
2. Difficulty in monitoring and intervening on patient



How to overcome this difficulty of position?

- The patients were operated after being placed in our modified position
- We have named this position - *“The Royal Wave”*

Our Modified Position



1. Supine position
2. The arm is abducted to right angle
3. The arm is externally rotated at the shoulder
4. The elbow is flexed to 90°
5. The forearm kept in about mid-prone position



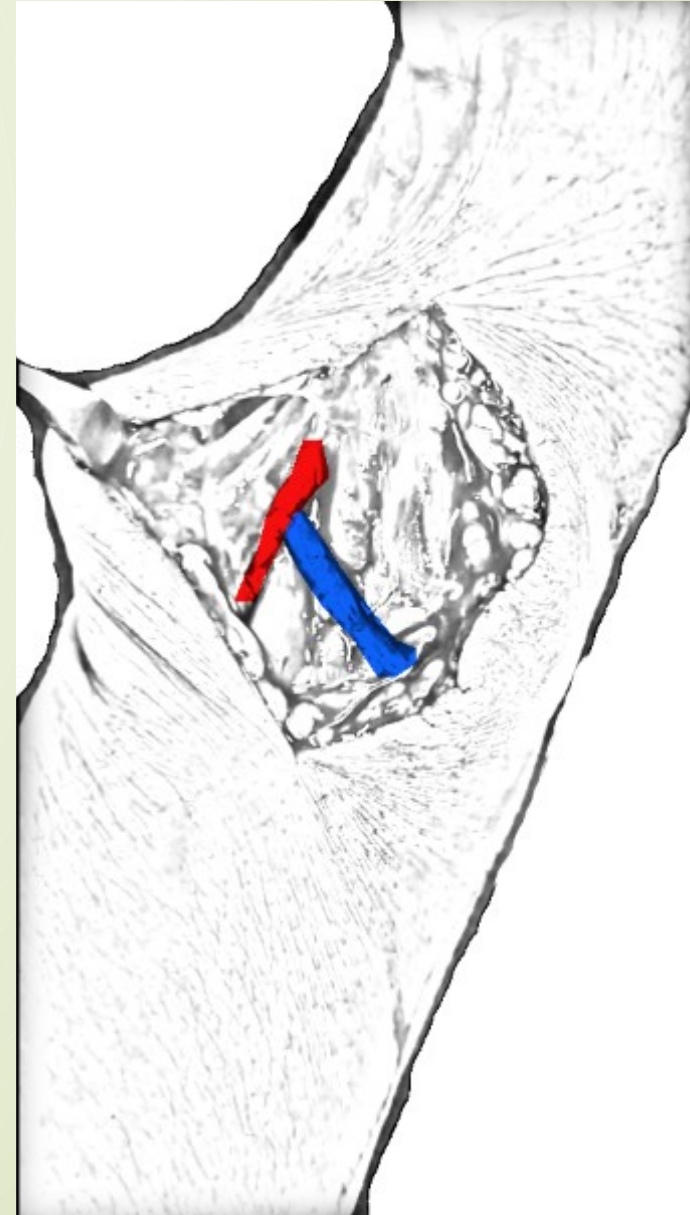


‘The Royal Wave’ Position used by the British Royal Family whilst greeting crowds

Ulnar Artery

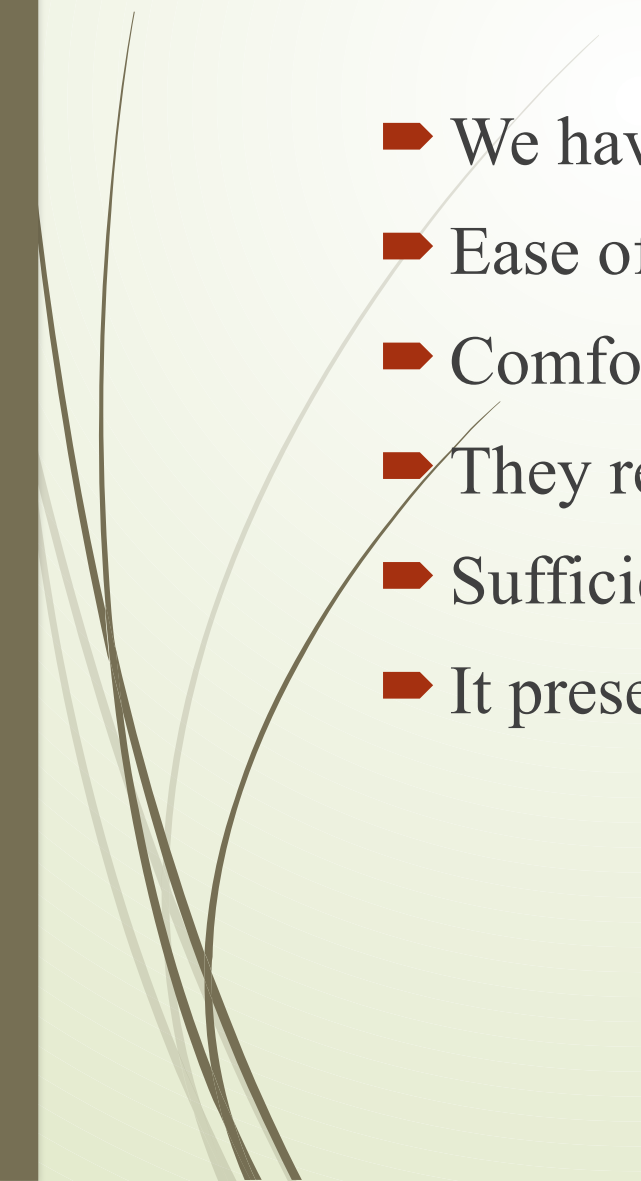
AV Fistula Site

Basilic Vein

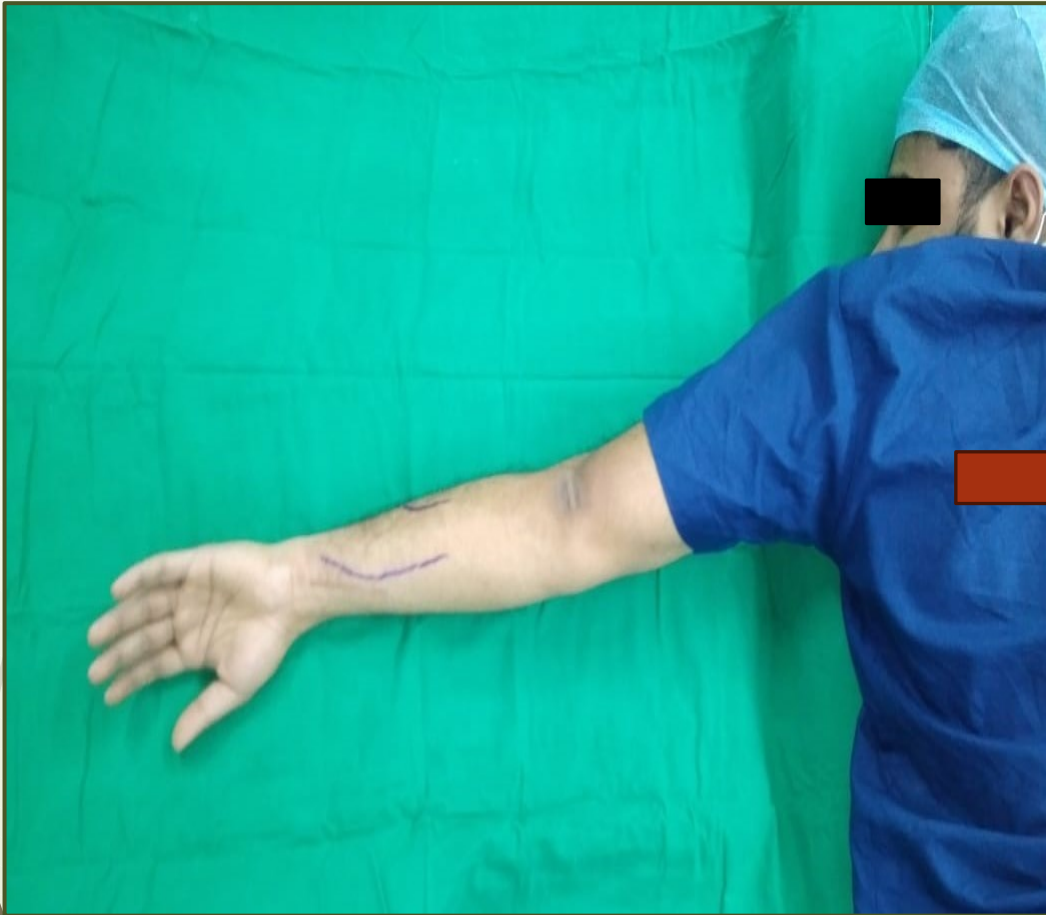




Result

- We have created 6 Ulnar basilic AV Fistulas.
 - Ease of surgery
 - Comfort to the patient.
 - They remained patent (confirmed by doppler).
 - Sufficient arterialization of the Basilic Vein.
 - It preserves the proximal fistulas as back-up option.
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Conclusion



Comfort of patient & surgeon



Thank You