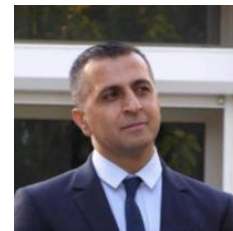


First Aortic Surgeries in Kabul: A context of War-torn country and available sources

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Abstract

French medical institute for mothers and children was established in 2005 in Kabul Afghanistan, the first open heart cardiac surgery was performed in April 6th 2006 in the history in Afghanistan. The team was trained partially in France and partially in Kabul with the help of La Chaîne de L'Espoir, the French NGO based in Paris and Agha Khan University Hospital, Karachi Pakistan. The trained team started surgeries by its own in February 2010. Since April 2006 nearly 5000 open and close heart surgeries done with the mortality rate 2 to 2.58 %. The services cover nearly 98% of paediatric congenital cases, and since 2015 we started adult cardiac service for coronary, valve and aortic surgery.

The first valvular and aortic surgeries for children started in 2010, but based on the experiences from the CDE and AKU teams in other developing countries, the surgical techniques are highly dependent to the materials available in the centres. Afghanistan is suffering forty years of war since 1979, the infrastructures has been destroyed and transportation system is still handicapped by the on-going insurgency all over the country. It is always a big challenge to have material and surgical supplies available on board and on time and/or according to the need of patients, and medical team to manage the cardiovascular pathologies.

We started the aortic surgery based on the need, mostly children (below 18). Fifty-two surgeries have been performed: Bentall, and modified David and Tyron-David and Ross procedure were performed to fifty-one patients, all patients had smooth post-operative period; one patient died because of massive bleeding nearly four hours after reaching intensive care unit. Here we are presenting the first case of Bentall procedure in the Afghanistan. A seventeen years baby girl presented with the symptoms of anaemia and severe palpitation to a general practitioner, she was sent to have a simple chest X ray to FMIC. She was diagnosed with echocardiography and confirmed with CT Scan. The patient was operated in November 2010 and ten years follow up after surgery is always satisfactory for the patient, family and medical team.



Biography:

Najeebullah Bina, MD, PhD, Professor of Surgery Kabul Medical University, Professor of Cardiac Surgery Charles Medical School. He is a Head and Chair Cardiovascular Surgery at French Medical Institute for Mothers and Children Kabul Afghanistan.

Speaker Publications:

1. "Hybrid treatment of an ascending aortic pseudoaneurysm following multiple sternotomies."
2. "Urgent endovascular covered-stent treatment of internal carotid artery injury caused by a gunshot"
3. "Average model of the bootstrap variable inductance (BVI)"

[2nd Middle East Heart Congress](#); Webinar – June 23, 2020.

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