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Children with medical complexity: A resourceful comprehensive program to a nationwide model of care

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Children with medical complexity (CMC) have medical fragility and extensive care needs that are not easily met by current existing health care models. CMC may have congenital or acquired multi-system diseases, severe neurologic conditions with marked functional impairments and technology dependence for activities of daily living. Although these children are at risk of poor health and impose a huge socioeconomic burden on both families and health system, there are few well-designed clinical initiatives, services and research efforts devoted to tackle their challenging care, alleviate families and health system burdens or improving overall experiences of either patient's quality of life or health care providers. The burden of multiple chronic diseases is placing pressure on any health care system. As a small but significant population with extensive requirements, these patients present a challenge to healthcare providers who are expected to provide holistic care and manage complex issues often with a paucity of experiences, services and supports. Patients with medical complexity and their families need additional sight and help. However, the health care system, community and social services do not always recognize their calls for help or support. Our recommendations are made for health care systems and provider to initiate a valuable service to such group of population to ensure high experienced life. Our comprehensive care program with its research initiative for this valued population aims to identify and recognize the current status of complex pediatric care in Saudi Arabia including the prevalence of children with medical complexity and burden on our health system as well as their families and to accomplish a well-structured model of care with proper services that will enable better understanding of this population and resourceful planning of their extensive and complex care within our health system.

Recent Publications

1. Fahad A AlFares, et al., (2013) Mycobacterium Bovis pyomyositis of unusual site in 5 months old child: A case report. *Curr Pediatr Res* 17(2):125-127.
2. Omer J A. Unusual Presentation of Coarctation of the Aorta in a 5-month-old Infant. *Pediatr Oncall J*. 2017;14: 88-89. doi: 10.7199/ped.oncall.2017.36
3. Omer J A, et al., (2018) Residents awareness about International Patient safety goals, cross sectional study. *Arch Pediatr JPED*-139.

Biography

Jamal Ahmed Omer is a General Pediatrician, Children Specialized Hospital, King Fahad Medical City, Riyadh, Saudi Arabia; he is with a passion and skills in planning comprehensive and comprehensive cares. His open and contextual model of care with help of a highly qualified healthcare team with extensive expertise in area of pediatric complex care is constantly evaluating, planning and structuring the current status of Children with medical complexity (CMC) from multiple national primary and tertiary institutions in Saudi Arabia which is a part of a governmental planning to propose and recommend a model of care to Saudi government as part of the overall national transformation that proposed by our Crown Prince Mohammed bin Salman (vision 2030). His efforts are directed toward building model of care that ensure valuable and high qualified services that is cost-effective and responsive to all health stakeholders including patients, their families and administration teams as well as frontline health care providers.

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