

Curriculum Vitae

Dr. Ahmed A. Alsaddique, FACS

King Fahad Cardiac Center &
College of Medicine
King Saud University
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Riyadh 11472 Saudi Arabia

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Personal Data:

Born on May 21, 1947

Al Jobail, Saudi Arabia

Citizenship: Saudi

Medical Education:

Bachelor of Medicine and Bachelor of Surgery

M.B, B.S 1973

Rotating internship

December 13 1973 to December 24 1974

Graduate Education:

July 1-75 to June 30 76

Straight Surgery Internship

McLaren Regional Medical Center

A Michigan State University Affiliated Hospital

401 Ballenger Highway

Flint, Michigan 48502

USA

July-1-76 to June-30- 81

General Surgery Residency

McLaren Regional Medical Center

A Michigan State University Affiliated Hospital

401 Ballenger Highway

Flint, Michigan 48502

USA

July-1-81 to December-31-81	Clinical Instructor in Surgery at Michigan State University & McLaren Regional Medical Center
January 1 82 to March -31-84	Cardiovascular & Thoracic Surgery Residency University of Alberta Hospital Edmonton, Alberta Canada
September-3-93 to August-31-94	Sabbatical a Visiting Professor at St. Vincent Hospital and Medical Center & Providence Hospital Portland, Oregon. U. S. A.

Certification: American Board of Surgery

Licensure: Fully licensed to practice Medicine & Surgery in the USA

State of Michigan license number 4301 040528
State of Oregon license number 15801
State of Iowa license number 26255

Membership in Professional Organizations:

Fellow of the American College of Surgeons

Founding Member Saudi Heart Association

Member of American Medical Association

Medical School Affiliation in Michigan:

- 1- Clinical Instructor in Surgery for the Medical Students
Michigan State University
Flint Campus
1977 to 1980
- 2- Assistant Clinical Professor of Surgery
Department of Surgery
Flint Campus
1980 to 1981

Professional Appointment:

May 1, 84 to July15-86	Senior Registrar in Cardiac Surgery Prince Sultan Cardiac Center (PSCC) Riyadh
1984 to 1986	Established Cardiac Surgery at King Khalid University Hospital while working at PSCC
May 1984 to Nov.1994	Chief Division of Cardiac Surgery King Khalid University Hospital Riyadh
Jan 2001 to Nov 2002	Assistant Program Director General Surgery Training Program
Nov 2002 to March 2004	Director Surgery Training Program
Present Position	Professor and Head of Division of Cardiac Surgery King Fahad Cardiac Center & College of Medicine King Saud University Riyadh, Saudi Arabia

Research

Diastolic dysfunction and Diastolic heart failure in the postoperative heart is the area of my interest. For the about 9 years we have been actively involved in the study of diastolic dysfunction and diastolic heart failure in the post-operative heart with a team of researchers from The University of Melbourne in Australia. We have jointly published on

the subject. We described for the first time the diagnostic features of diastolic heart failure in the postoperative heart and subsequently wrote the management with the University of Melbourne team. Both articles are in the European Journal of Cardiothoracic surgery. Following that, we embarked on the Impact of Transthoracic Echocardiography and Respiratory Ultrasound Assessment in Cardiac Surgery (ITRACS). This study looked at the non-invasive monitoring of the cardiac surgical patient

International Meetings:

Following the publication of the articles about diastolic heart failure in the postop heart in the European Journal of Cardiothoracic Surgery, which is one of the major journals in the specialty invitations to speak, started to come to speak in conferences about it

- 1- 4th Chinese Medical Congress in Beijing China on September
- 2- Montreal International Forum on Intensive Care Medicine held from June 1-2, 2011, in Montreal, Quebec, Canada.
- 3- The International College of Surgeons 73rd. annual meeting in Portland Oregon USA June 8-11, 2011.
- 4- Ninth International Conference on Coronary Artery Disease (ICCAD 2011) Venice, Italy. October 23-26, 2011
- 5- Eighth International Congress of Update in Cardiology and Cardiovascular Surgery (UCCVS) held on March 01-04, 2012 Antalya, Turkey.
- 6- Tenth International Conference on Coronary Artery Disease (ICCAD 2013) Florence, Italy. October 13-16, 2013

The first paper of the ITRACS Project

Routine Transthoracic Echocardiography and Lung Ultrasound Monitoring after Cardiac Surgery: Feasibility and Clinical Impact

Ahmed Alsaddique, Alistair Royse, Colin Royse, Abdulelah Mobeirek, Fayez El Shaer, Hanan AlBackr, Mohammed Fouda & David J Canty

The paper was presented in the following meetings before its publication

1*. The preliminary results of the project was in Mediated poster presentation (Dr Andrea Bowyer supervised by Dr David Canty) on Monday October 3rd 2011 at Hamilton Island, Queensland Australia:

The 11th Biennial meeting of the Cardiothoracic, Vascular and Thoracic Anaesthesia and Perfusion Special Interest Group

2*. Poster presentation (David Canty) 24-31 May 2012 at Royal Melbourne Hospital, Melbourne, Australia: Melbourne Health Research Week

3. Oral presentation (Prof Alistair Royse) on Wed 12th October 2014 at Gold Coast Convention & Exhibition Centre; Gold Coast Queensland, Australia: Australia and New Zealand Society of Cardio-thoracic Surgeons' Annual Scientific Meeting Abstract published in Heart, Lung and Circulation Journal:

Alsaddique A, Canty DJ, Fouda M, Royse CF, Royse A. Impact of routine repeated transthoracic echocardiography and lung ultrasound monitoring after cardiac surgery (ITRACS) – a prospective observational study in 91 patients. Heart, Lung Circulation. 24:e60-e61 · December 2014

5. Accepted for poster presentation (Dr David Canty) April 12th 2015 at Washington Marriott Marquis Washington, DC, USA, SCA/ICCVA 2015 37th SCA Annual Meeting & Workshops

6. Oral presentation (Dr David Canty) on Thu 14th May 2015 at King Cardiac Center

Special cardiothoracic surgery and intensive care lecture

7. Oral presentation (Dr David Canty) on Tue July 7th 2015 at Darwin, Northern Territory, Australia:

Biennial meeting of the Cardiothoracic, Vascular and Thoracic Anaesthesia and Perfusion Special Interest Group

8. Oral presentation (Dr David Canty) on 23rd August 2015 at Narayana Hrudayalaya, Bangalore, India:

9th National perioperative TEE workshop-cum-CME under the banner of Indian Association of Cardiovascular Thoracic Anaesthesiologists (IACTA) in collaboration with Indian Academy of Echocardiography (IAE), International Society of Cardiovascular Ultrasound (ISCU) & University of Minnesota, USA

Publication accepted 29 August 2015 in Journal of Cardiovascular and Thoracic Anesthesia:

Alsaddique A, Royse A, Royse C, Mobeirek A, El Shaer F, Albackr H, Fouda M, Canty DJ. Repeated monitoring with transthoracic echocardiography and lung ultrasound after cardiac surgery: feasibility and impact on diagnosis. J Cardiovasc Thor Anesth. 2015; in-press (accepted for publication 29 August 2015)

Ad Hoc Reviewer

- 1- European Journal of Cardiothoracic Journal
- 2- International Journal of Cardiology
- 3- Saudi Medical Journal

Publications

- 1- Canty DJ, Heiberg J, Tan JA, YY, [Royse AG](#), [Royse CF](#), Mobeirek A, El Shaer F, Albacker T, Nazer RI, Fouda M, Bakir M., Ahmed A. & [Alsaddique AA](#). Assessment of Image Quality of Repeated Limited Transthoracic Echocardiography after Cardiac Surgery. [J Cardiothorac Vasc Anesth](#). 2017 Jun;31(3):965-972. doi 10.1053/j-jvca.2016.12.011. Epub 2016 Dec 16.*
- 2- [Heiberg J](#), [El-Ansary D](#), [Royse CF](#), [Royse AG](#), [Alsaddique AA](#), & [Canty DJ](#) . Transthoracic and transoesophageal echocardiography: a systematic review of feasibility and impact on diagnosis, management and outcome after cardiac surgery. [Anaesthesia](#). 2016 Oct;71(10):1210-21. doi: 10.1111/anae.13545. Epub 2016 Jun 25
- 3- [Alsaddique AA](#), [Royse AG](#), [Royse CF](#), [Mobeirek AF](#), [El Shaer FA](#), [AlBackr HB](#), [Fouda MA](#) & [Canty D](#). [Routine Transthoracic Echocardiography and Lung Ultrasound Monitoring after Cardiac Surgery: Feasibility and Clinical Impact](#). [J Cardiothorac Vasc Anesth](#). 2016 Apr;30(2):406-12. doi: 10.1053/j-jvca.2015.08.033. Epub 2015 Aug 29
- 4-
- 5- [Alsaddique AA](#), [Royse CF](#), [Fouda MA](#), [Royse AG](#) & [Al Ayoubi FZ](#) (2013) Management of Diastolic Heart Failure in the Postop Heart. 10th International Congress on Coronary Artery Disease Proceedings of the 10th International Congress on Coronary Artery Disease (259-266) Bologna, Italy; Medimond
- 6- [Alsaddique AA](#), [Royse CF](#), [Fouda MA](#) & [Royse AG](#) (2012) Diastolic Heart Failure after Cardiac Surgery. Coronary Artery Disease. Current Concepts in Epidemiology, Pathophysiology, Diagnostics & Treatment (229-256) Rijeka, Croatia,; In Tech
- 7- [Abd-Alaal MM](#) , [Alsabban MA](#) , [Abbas OA](#) , [Alshaer AA](#) , [Alsaddique A](#) , [Fouda M](#) . Timing of revascularization after acute myocardial infarction [Asian Cardiovasc Thorac Ann](#) 2010 Feb;18 (2): 118-21
- 8- Abdel-Aal M, ElNahal M, Sabban M, AlRahman YA, Bakir MB, [Alsaddique AA](#), Fouda MA & Alshaer AA Myocardial Revascularization in Patients with Severe Left Ventricular Dysfunction; Is On Pump Beating the Preferable Technique J Egypt Society of Cardiothorac Surge Vol 17, 2009 Number, (1-2):4-10
- 9- [Alsaddique AA](#). Impact of Advances in Invasive Cardiology on Cardiac Surgery [Open Cardiovasc Med J](#). 2009; 3: 21-25
- 10- Jalal A, Bakir MB, Abbas O, Sabban MA, Abdal-Aal M, Awadallah YA. [Alsaddique AA](#), & Fouda MA Obesity is not a risk for increased mortality and morbidity in patients undergoing open heart surgery J Egypt Society of Cardiothorac Surge Vol 15, 2009 Number, (3-4):168-174
- 11- [Alsaddique, AA](#) Use of continuous subglottic suction in established ventilator associated pneumonia Saudi J Anaesth 2009 April Vol 3 No.1 20-24
- 12- [Alsaddique AA](#), [Royse AG](#), [Royse CF](#), [Fouda MA](#). Management of diastolic heart failure following cardiac surgery [Eur J CAardiothorac Surg](#). 2009 Feb;35(2):241-9. Epub 2008 Dec 11
- 13- [Alsaddique AA](#). Recognition of diastolic heart failure in the postoperative heart. [Eur J Cardiothorac Surg](#). 2008 Dec;34(6):1141-8. Epub 2008 Jun 24

- 14- **Alsaddique AA**, Furnary AP Left ventricular aneurysm in patients with previous cardiac surgery. Asian Cardiovasc Thorac Ann. 2007 Aug;15(4):310-2
- 15- **Alsaddique AA**. Mitral valve replacement with the preservation of the entire valve apparatus. Rev Bras Cir Cardiovasc. 2007 Jun; 22(2):218-223
- 16- Abdel-Aal M, Bakir BM, Jalal A, **Alsaddique A**, Alkhamees NH & Fouda M Postoperative bleeding after myocardial revascularization in patients on clopidogrel 2007 Sept J Saudi Heart Assoc 19 (3) 138-141
- 17- Sabban MA, Jalal A, Bakir BM, Alshaer A, Abbas O, Abdel Aal, M Awadallah YA, **Alsaddique A** Fouda MA. Comparison of neurological outcomes in patients undergoing conventional coronary artery Bypass grafting, on-pump beating heart coronary bypass and off-pump coronary bypass The Neurosciences J 2007; 12 (1):35-4
- 18- Ashour M, Hajjar W, Al-Kattan K, Essa M, Al-Motrafi AA, Alsaddique A, El-Bakry A Intra-operative heparin release during lung surgery Eur J Cardiothorac Surg. 2004 May;25(5):839-43
- 19- **Alsaddique AA**. Medical liability. The dilemma of litigations. Saudi Med J. 2004 Jul;25(7):901-6
- 20- Sallam A, Bakir, B, Esmat A, Jalal A, Fouda M & **Alsaddique A** Cardiac surgery in the elderly analysis of mortality and morbidity J. of Egypt Society of Cardiothoracic Surg 2004, Vol. XII January No. 1
- 21- **Alsaddique AA**. Graduate education in surgery in the Kingdom of Saudi Arabia. The challenge of growing pains. Saudi Med J. 2004 Apr;25(4):424-8
- 22- **Alsaddique AA**, **Elsaegh MM**, **Fouda MA** Aortic valve replacement in a patient with an aberrant left coronary artery. Asian Cardiovasc Thorac Ann. 2003 Jun;11(2):169-70.
- 23- Bakir B, Abdel Aziz A, Alsaatli A, Samarkandi A, **Alsaddique A** & Fouda A. Hemodynamic changes in off **pump** coronary artery bypass (OPCAB) J. Egypt Society of Cardiothoracic. Surg 2002, Vol X April No.2
- 24- **Alsaddique AA** CarboMedics bileaflet prosthesis, experience with 165 uneventful implants. Cardiovasc Surg. 2002 Oct;10(5):512-6 Erratum in: Cardiovasc Surg. 2003 Feb;11(1):101
- 25- **Alsaddique AA**. Ischemic preconditioning: the endogenous power--a review of the literature. Angiology. 2000 May;51(5):355-60
- 26- Kader A, Al-Shamiri M, **Alsaddique A**, Hafeez MA, Yamany H Pericardial Tamponade: A Manifestation of Pericardial Sac Sarcoma-A Case Report. Echocardiography. 1996 May;13(3):287-292
- 27- Wasfy I, Nouh M.S. Fouda M.A., .Alshemmairi M **Alsaddique A** Myocardial Bridges, Their Clinical Implications and Prognostic Signs Annals of Saudi Medicine, Vol 16, No.5
- 28- Maher S **Alsaddique A** .Arafa M & Ukra, H Congenital Coronary Artery Pulmonary Artery Fistula Causing Steal Phenomenon Saudi Heart J:Vol.6 No1:22-27 1994
- 29- Nouh MS, Arafah MR **Alsaddique AA** Trauma and Pseudoaneurysm of the Left Ventricle, Clinical Implications and Morbidity Pattern Saudi Heart Journal Vol 4 No 1 May 1993
- 30- Chidambaram M, Akhtar MJ, al-Nozha M, **Alsaddique A**. Relationship of atrial fibrillation to significant pericardial effusion in valve-replacement patients. Thorac Cardiovasc Surg. 1992 Apr;40(2):70-3.

- 31- Dobbinson T Alsaddique A &.Wareham E Alteration in Haemostatic Variables Associated with Cardiopulmonary Bypass Surgery in Saudi Arabia .Saudi Medical Journal 1991; 12(6): 471-476
- 32- Khan MA, Noah MS, **Alsaddique A**, Sharaf el-Deane MS. Constrictive pericarditis as a complication of closed chest injury. Injury. 1988 Jan;19(1):39-40.
- 33- The papers on diastolic heart failure after cardiac surgery found were translated into foreign languages like Chinese, Korean and German and are in some German Textbooks of the specialty.

Citations in Major Textbooks & Chapters in European Published Books

- 1- Bonow, Robert, Douglas L. Mann, Douglas P. Zipes, Peter Libby Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine 9th Edition. Expert Consult Premium Edition, Philadelphia; Elsevier Saunders, 2012, Postop Morbidity 104 **Alsaddique AA**.
- 2- Lemmer Jr. John, Gus Vlahakes Handbook of Patient Care in Cardiac Surgery 7th edition, Philadelphia; Lippincott William & Wilkins, Postoperative complications involving the heart and lungs; low cardiac output due to diastolic dysfunction **Alsaddique AA**
- 3- **Alsaddique AA**, Royse CF, Fouda MA & Royse AG (2012) Diastolic Heart Failure after Cardiac Surgery. Coronary Artery Disease. Current Concepts in Epidemiology, Pathophysiology, Diagnostics & Treatment (229-256) Rijeka, Croatia,; In Tech
- 4- **Alsaddique AA**, Royse CF, Fouda MA, Royse AG & Al Ayoubi FZ (2013) Management of Diastolic Heart Failure in the Postop Heart. 10th International Congress on Coronary Artery Disease Proceedings of the 10th International Congress on Coronary Artery Disease (259-266) Bologna, Italy; Medimond

