

CURRICULUM VITAE

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Interventional Radiologist,
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EDUCATION, PROFESSIONAL TRAINNG AND PRACTICE:

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| Oct.2009 - now | Consultant interventional radiologist,
Section of Vascular and Interventional Radiology,
Department of Medical Imaging,
National Guard King Abdulaziz Medical City,
Kingdom of Saudi Arabia |
| Mar.2009 - Sep.2009 | Clinical fellow,
Pediatric Interventional Radiology.
Image-Guided Therapy,
Department of Medical Imaging,
The Hospital for Sick Children,
University of Toronto,
Toronto, Ontario, Canada |
| Oct.2008 - Mar.2009 | Consultant interventional radiologist on locum position,
Division of Vascular and Interventional Radiology,
Department of Medical Imaging,
National Guard King Abdulaziz Medical City-Riyadh,
Kingdom of Saudi Arabia |
| Oct.2006 - Oct.2008 | Clinical fellow,
Interventional Radiology,
Department of Radiology,
McGill University Health Center,
Montreal, Québec, Canada |

Oct.2005 - Oct.2006	Interventional radiologist and researcher, Department of Regenerative Medicine and Tissue Engineering, National Cardiovascular Center, Osaka, Japan
Apr. - Oct. 2005	Interventional radiologist, Private sector hospital, Homs, Syria
Apr.2001- Mar.2005	PhD candidate and clinical advanced trainee, Department of Radiology, Osaka University Graduate School of Medicine, Osaka, Japan
Apr.2000- Mar.2001	Fellow, Department of Radiology, Hamamatsu University School of Medicine, Hamamatsu, Japan
1996 - 1999	Resident, Department of Radiology, Damascus University Hospitals, Damascus, Syria
1993 - 1996	Resident, Department of Internal Medicine and Cardiology, Damascus University Cardiovascular Surgical Center, Damascus, Syria
1987 - 1993	Damascus University School of Medicine, Damascus, Syria
1983 – 1986	Abdul-Hamid Al-Zehrawi High Secondary School, Homs, Syria

CERTIFICATION AND LICENSURES:

- **European Certification for Endovascular Specialists (EBIR-ES) 2025**
Vienna, Austria
- **European Board of Interventional Radiology (EBIR) 2016**
Vienna, Austria
- **Professional Registration in Saudi Commission for Health Specialties 2010**
(10-R-M-0360988)
Riyadh, Kingdom of Saudi Arabia
- **Certificate of Fellowship in Pediatric Interventional Radiology 2009**
The Hospital for Sick Children, University of Toronto,
Toronto, Ontario, Canada.
- **Certificate of Fellowship in Angio/ Interventional Radiology 2008**
McGill University Faculty of Medicine,
Montreal, Quebec, Canada.
- **Degree of Doctor of Philosophy in Medical Science (PhD) 2005**
Course of Advanced Medicine- Radiology,
Osaka University Graduate School of Medicine,
Osaka, Japan.
- **Certificate of Fellowship in Radiology 2001**
Hamamatsu University School of Medicine,
Hamamatsu, Japan
- **Certificate of Specialization Registration - Radiology 2002**
Ministry of Health,
Damascus, Syria.
- **Certificate of Postgraduate Studies in Radiology (MS) 1999**
Damascus University School of Medicine,
Damascus, Syria.
- **Doctor of Medicine Diploma (MD) 1993**
Damascus University School of Medicine,
Damascus, Syria.

SCHOLARSHIPS, GRANTS AND AWARDS:

- **Certificate of Appreciation** from the *Pan Arab Interventional Radiology Society* (PAIRS) for sharing expertise and wisdom as a faculty member in PAIRS Annual Scientific Congress, February 10 - 13, 2024 Dubai, United Arab Emirates.
- **Certificate of Appreciation and Recognition** from the *Ministry of National Guard Health Affairs* for the dedication work as a Program Director of the interventional Radiology Fellowship Training Program during the training year of 2022. August, 2023, Jeddah. Saudi Arabia.
- **Tutor of the Year 2021/2022 Award** from the *King Saud bin Abdulaziz University for Health Sciences-Jeddah* for ingenuity in creating outstanding education, March 16, 2023, Jeddah, Saudi Arabia.
- **Certificate of Appreciation** from the *Saudi Lung Cancer Association in collaboration with Saudi Thoracic Society and Lung Cancer Academy* for the valuable contribution and participation as a speaker in Thoracic Oncology Forum about “Role of Interventional Radiology in Lung Cancer”, April 12-13, 2019, Riyadh, Saudi Arabia.
- **Certificate of Appreciation** from the *National Cancer Center of Saudi Health Council* for the participation in the scientific committee for developing and updating the Saudi National Lung Cancer Management Guidelines 2018, March 5, 2019, Riyadh, Saudi Arabia.
- **Certificate of Appreciation** from the *Alfaisal University* for the contribution as faculty in the “End of Year Review: Gastrointestinal Malignancies” Summit, February 8-9, 2019, Riyadh, Saudi Arabia.
- **Certificate of Appreciation** from the *Saudi Lung Cancer Association in collaboration with Saudi Thoracic Society and Lung Cancer Academy* for the valuable contribution and participation as a speaker in Thoracic Oncology Forum about “Role of Interventional Radiology in Lung Cancer”, May 4-5, 2018, Riyadh, Saudi Arabia.
- **Tutor of the Year 2017/2018 Award** from the *King Saud bin Abdulaziz University for Health Sciences-Jeddah* for ingenuity in creating outstanding education, 18th Annual Residents’ Day, April 5, 2018
- **Certificate of Appreciation** from the *Pan Arab Interventional Radiology Society* (PAIRS) for sharing expertise and wisdom as a faculty member in PAIRS Annual Scientific Congress, March 15 - 18, 2017 Dubai, United Arab Emirates.

- **Certificate of Appreciation** from the *National Comprehensive Cancer Network* (NCCN) for participation in the NCCN Hepatobiliary Cancer Guidelines Modification Committee of the 3rd MENA NCCN Regional Meeting, December 17, 2016 Riyadh, Saudi Arabia.
- **Certificate of Appreciation** from the *Gulf Thoracic Congress* for the contribution and chairing a session in Thoracic Oncology Forum in the Gulf Thoracic Congress, March 14 - 15, 2014 Dubai, United Arab Emirates.
- **Certificate of Appreciation** from the *Saudi Lung Cancer Association in collaboration with Saudi Thoracic Society* for the outstanding performance and sharing expertise in the Lung Cancer Academy about “Obtaining Tissue of Lung Cancer”, December 30, 2013, Riyadh, Saudi Arabia.
- **Certificate of Appreciation** from the *Gulf Thoracic Congress* for the contribution and participation in the “Gulf Thoracic Congress 2013”, March 13 - 16, 2013 Dubai, United Arab Emirates.
- **Certificate of Appreciation** from the *King Saud bin Abdulaziz University for Health Sciences* for the contribution in the “State-of-the-Art Venous Diseases Symposium & Workshop”, November 22 - 23, 2011 Riyadh, Saudi Arabia.
- **Certificate of Appreciation** from the *2nd International Radiology Conference* for the presentation “Radioembolization with Yttrium-90 Glass Microsphere TheraSphere® for Hepatic Malignancy”, September 26 - 28, 2011 Makkah, Saudi Arabia.
- **Certificate of Appreciation** from the *King Abdullah International Medical Research Center* for the efforts exerted during the 3rd Research Summer School, held at July 2 - August 10, 2011 Riyadh, Saudi Arabia.
- **Certificate of Appreciation** from the *Dhahran Armed Forces Hospital* for the lectures “Embolization: An Overview” and “Interventional Radiology in Pediatrics” as a part of the Continuous Medical Education at the King Abdulaziz Airbase Armed Forces Hospital, July 22 - 23, 2008 Dhahran, Saudi Arabia.
- **Grant** from the *Canadian Interventional Radiology Association* to attend and participate in the Fellows Day and Annual Meeting of Canadian Interventional Radiology Association, May 28 - 31, 2008 Montreal, Quebec, Canada.
- **Certificate of Merit Award** from the *Radiological Society of North America* for the education exhibit (LL-VI6768- Selective Internal Radiation Therapy with Yttrium-90 Glass Microsphere Device for Hepatic Malignancy) at 93rd Scientific Assembly and Annual Meeting, November 25 - 30, 2007 Chicago, Illinois, USA.

- **Grant** from the *Canadian Interventional Radiology Association* to attend and participate in the Fellows Day and Annual Meeting of Canadian Interventional Radiology Association, May 31 - June 2, 2007 Banff, Alberta, Canada.
- **International Research Fellowship Grant** from *Takeda Science Foundation* to conduct research about therapeutic angiogenesis and regeneration of vessels using stem cells in National Cardiovascular Center 2005 - 2006, Osaka, Japan.
- **MONBUSHO Scholarship** from the *Japanese Government Ministry of Education, Culture, Sports, Science and Technology (MONBUSHO)* to continue postgraduate study (PhD) in Medical Sciences - Radiology in higher education institutions 1999 - 2004, Japan.

COURSES:

- The 1st *European Liquid Embolic Course*, October 26 – 29, 2022, Dijon, France.
- The SIRT Workshop (Yttrium-90 Radioemboolization) by Laboratory for Innovation, Application and Medical Education in Image-guided Medical Interventions and Surgery and SIRTEX, April 16 - 17, 2019, Magdeburg, Germany.
- The AstraZeneca's meeting *Optimizing Outcomes in Lung Cancer Through Fast and Accurate Patient Selection*, November 30 - December 1, 2017, Rome, Italy.
- The *Best of Immuno-Oncology Summit* by the University of Cincinnati, February 19-20, 2016, Dubai, UAE.
- The *Clinical Research Development Workshop*, December 18 - 19, 2015, Riyadh, Saudi Arabia.
- The *Journal of Clinical Oncology Educational Workshop* “Writing, Submitting and Publishing Your Research” December 2014, Riyadh, Saudi Arabia.
- The 5th *European Multidisciplinary Symposium on Liver Directed Cancer Therapy Using Y-90 Microspheres*, February 7 – 8, 2014, Rome, Italy.
- *The course in TAE, cTACE and DEB-TACE in Liver Tumor with EMBOZENE® Microsphere and Embozene TANDEM®*, University Hospital Heidelberg, September 4-5, 2013, Heidelberg, Germany.
- The 2nd *Clinical Research Training Program* by The Arab Collaboration Hematology and Oncology Group, January 25 – 26, 2013, Amman, Jordan.

- The *Regional Meeting of Middle East & North Africa Center for National Comprehensive Cancer Network (MENA-NCCN) Collaboration*, January 26-28, 2012 Doha, Qatar.
- The 2nd *European Conference on Interventional Oncology*, July 21-24, 2010, Florence, Italy.
- *Professional Grant Development Workshop- Proposal Writing I* by the Grant Training Center, August 10 - 12, 2009, Toronto, Ontario, Canada.
- The 5th *Annual Gore International Radiology Fellows Symposium*, January 18 - 20, 2008, Hollywood, Florida, USA.
- *The Johns Hopkins Apprenticeship in Vertebroplasty*, October 19, 2007, Baltimore, Maryland, USA.
- The 4th *Annual Gore International Radiology Fellows Symposium*, January 26 - 28, 2007, Hollywood, Florida, USA.
- *Innovations in Cancer Therapies*, 1st international symposium on image-guided therapy for cancer, May 1 - 4, 2005, London, UK.

INSTITUTIONAL AND REGIONAL COMMITTEES MEMBERSHIP:

- Liver Cancer Committee and Lung Cancer Committee of the Middle East and North Africa National Comprehensive Cancer Network (MENA-NCCN)
- Saudi Lung Cancer Association of Saudi Thoracic Society, Riyadh, Saudi Arabia
- Lung Tumor Board - King Abdulaziz Medical City, Saudi Arabia
- Hepatobiliary Tumor Board - King Abdulaziz Medical City, Saudi Arabia

PROFESSIONAL MEMBERSHIPS:

- Saudi Interventional Radiology Society (*SIRS*)
- Pan Arab Interventional Radiology Society (*PAIRS*)
- American Society of Clinical Oncology (*ASCO*)
- Saudi Thoracic Society (*STS*)
- Cardiovascular and Interventional Radiological Society of Europe (*CIRSE*)
- European Society of Radiology (*ESR*)
- American College of Radiology (*ACR*)
- Society of Interventional Radiology (*SIR*)
- Canadian Interventional Radiology Association (*CIRA*)
- Radiological Society of North America (*RSNA*)
- Japan Radiological Society (*JRS*)
- Syrian Medical Association

ACADEMIC THESISSES:

- **Khankan AA.** Ultrasonography and scintigraphy of the thyroid gland diseases. 1999. *Master degree thesis* in Radiology supervised by Prof. Dr. Bassam W. Sawaf, Department of Radiology, Damascus University School of Medicine, Damascus, Syria.
- **Khankan AA, Akkash MO, Shock.** 1993. *Graduation thesis* supervised by Prof. Dr. Younes Kabalan, Department of Internal Medicine, Damascus University School of Medicine, Damascus, Syria.

INVITED LECTURING:

- Addressing Device-Related Challenges in the Standardized Application of Microwave Ablation for Liver Lesions. An invited lecture in the 6th *Chinese Conference on Microwave Ablation (CCMA)* and the *World Tumor Ablation Association (WTAA)* Founding Conference, January 10 - 12, 2025 Nanjing, China.
- Vascular Access in Oncology: What Radiologists Need to Know. An invited lecture in the 12th *Pan Arab Association of Radiological Societies* Conference & 15th *Annual Radiological Society of Saudi Arabia* Conference, 14 - 16 November, 2024, Jeddah, Saudi Arabia.
- New Frontiers in Interventional Oncology. An invited lecture in the 12th *Pan Arab Association of Radiological Societies* Conference & 15th *Annual Radiological Society of Saudi Arabia* Conference, 14 - 16 November, 2024, Jeddah, Saudi Arabia.
- Y90 Radioembolization Outside the Liver. An invited lecture in *Pan Arab Interventional Radiology Society*, Annual Scientific Congress, March 10 - 13, 2024 Dubai, United Arab Emirates.
- Image-Guided Tissue Sampling in the Era of Personalized Oncology and NGS. An invited lecture in *Pan Arab Interventional Radiology Society*, Annual Scientific Congress, March 10 - 13, 2024 Dubai, United Arab Emirates.
- Fibroid Expulsion Post-UFE: Are We Concerned. An invited lecture in the 7th *Saudi Interventional Radiology Annual Meeting and Workshops*, November 23 - 25, 2023, Riyadh, Saudi Arabia.
- Light it Up Fiducial Markers. An invited lecture in the 7th *Saudi Interventional Radiology Annual Meeting and Workshops*, November 23 - 25, 2023, Riyadh, Saudi Arabia.
- Placement of Fiducial Markers. An invited lecture in *Pan Arab Interventional Society*, Annual Scientific Congress, February 11 - 14, 2023 Dubai, United Arab Emirates.

- How to Manage High Lung Shunt Fraction Prior to TARE? An invited lecture in *Pan Arab Interventional Radiology Annual Scientific Congress*, May 11 - 14, 2022 Dubai, United Arab Emirates.
- Vena Cava Stenting in Oncology Patients. An invited lecture in *Pan Arab Interventional Radiology Society, Annual Scientific Congress*, February 26 -29, 2020 Dubai, United Arab Emirates.
- Role of Interventional Radiology in Lung Cancer. A guest lecture in Thoracic Oncology Forum in conjunction with the Lung Cancer Academy and Saudi Thoracic Society, May 4 - 5, 2018, Riyadh, Saudi Arabia.
- Catheter Type, Insertion Technique and Care for a Durable Line Access in Oncology Patients. An invited lecture in *Pan Arab Interventional Radiology Annual Scientific Congress*, March 15 - 18, 2017 Dubai, United Arab Emirates.
- Local Ablating Therapy in Management of Metastatic CRC. An invited educational lecture in the 3rd Colorectal Cancer Master Class, March 10 - 11, 2017 Muscat, Sultanate of Oman.
- A Fatal Complication of Permacath Insertion. An invited talk in the Extreme IR & M&M session of 42nd Annual Scientific Meeting of Society of Interventional Radiology, March 4 - 9, 2017, Washington, DC, USA.
- Central Venous Catheters. An invited educational lecture in the CLABSI Workshop during the 5th Patient Safety Forum, April 14 – 16, 2015, Riyadh, Saudi Arabia.
- How To Obtain Tissue Biopsy. A guest lecture in Thoracic Oncology Forum, April 9-11, 2015, Jeddah, Saudi Arabia.
- Current Locoregional Therapies for Colorectal Liver Metastases. An invited educational lecture in the 1st Master Class on State-of-the-Art Management of Colorectal Cancer, March 27 – 28, 2015 Istanbul, Turkey.
- Obtaining Biopsy of Lung Mass. A guest lecture in Thoracic Oncology Forum in conjunction with the Gulf Thoracic Congress, March 14, 2013, Dubai, United Arab Emirates.
- Radioembolization With Yttrium-90 Glass Microsphere TheraSphere® for Hepatic Malignancy. An invited talk at the *2nd International Radiology Conference*, September 26 - 28, 2011, Mekkah, Saudi Arabia.
- Embolization & Embolotherapy: An Updated Overview. An invited educational lecture to the resident at Department of Radiology, University of Wisconsin, March 17, 2009, Madison, Wisconsin, USA.

- Embolotherapy: An Overview. A guest lecture in Sultan Qaboos University College of Medicine and Health Sciences, February 20, 2006, Muscat, Oman, Sultanate of Oman.

BOOKS:

- Murakami T, Hori M, Kim T, Kuwabara M, Abe H, **Khankan AA**. Hepatic Vessels. In: Catalano C, Passariello, R. editors. *Multidetector-Row CT Angiography*. Springer-Verlag Berlin Heidelberg, Germany; 2005: Chapter 11, 155-166.

PUBLICATIONS:

- Alkattan KM, **Khankan A**. What drives medical innovation in surgery and interventional medicine? *Innov Surg Interv Med*. 2020) Innovations in Surgery and Interventional Medicine (2021) 1 (1): 1–2.
- **Khankan A**, Al-Habli I, Alhazmi T, Feteih I, Valenti D. Pharmacologic Pain Management in Outpatient Uterine Fibroid Embolization. *Arab J Intervent Radiol* 2018; 2 (2) :50-5.
- **Khankan A**, Jazieh A. Transarterial Embolization of Intermediate Hepatocellular Carcinoma in Elderly Patients: Which Technique Should Be First-line? *Arab J Intervent Radiol* 2018 January-June; 2 (1): 1-3.
- **Khankan A**, Al-Thaqfi S. Demystifying CyberKnife Stereotactic Body Radiation Therapy for Interventional Radiologists. *Arab J Intervent Radiol* 2017 July-December; 1 (2): 55-63.
- **Khankan A**. Interventional Oncology – A Snapshot of Expanding Practice. *Arab J Intervent Radiol* 2017 January-June; 1 (1): 15-19.
- **Khankan A**, Sirhan S, Aris F. Common Complications of Nonvascular Percutaneous Thoracic Interventions: Diagnosis and Management. *Seminars in Interventional Radiology* 2015 June; 32 (2): 174-81.
- **Khankan A**, Al-Muaikeel M. Image-Guided Percutaneous Transthoracic Biopsy in Lung Cancer - Emphasis on CT-Guided Technique. *Journal of Infection and Public Health* 2012 December; 5 (Supplement 1): 22-30.
- **Khankan AA**, Murakami T, Onishi H, Matsushita M, Iannaccone R, Aoki Y, Tono T, Kim T, Hori M, Osuga K, Passariello R, Nakamura H. Hepatocellular carcinoma treated with radio frequency ablation: An early evaluation with magnetic resonance imaging. *Journal of Magnetic Resonance Imaging* 2007 Mars; 27 (3): 546-551.

- **Khankan AA**, Abe H. Why do a fellowship at McGill? *Rad Fan* 2007 September; 5 (10). <http://www.e-radfan.com/files/news4299.html>.
- **Khankan AA**, Osuga K, Hori S, Morii E, Murakami T, Nakamura H. Embolic effects of superabsorbent polymer microspheres in rabbit renal model: comparison with tris-acryl gelatin microspheres and polyvinyl alcohol. *Radiation Medicine* 2004 November-December; 22 (6): 384-390.
- **Khankan AA**, Maeda M, Osuga K, Murakami T, Nakamura H. Post-kidney transplantation iliac artery stenosis due to iatrogenic injury: a case report. *Cardiovascular and Interventional Radiology* 2003 March-April; 26 (2): 186-188.

PUBLICATIONS (Co-author):

- Bakhribah H, Zeitouni M, Daghistani RA, Almaghraby HQ, **Khankan AA**, Alkattan KM, Alshehri SM, Jazieh AR. Implications of COVID-19 pandemic on lung cancer management: A multidisciplinary perspective. *Crit Rev Oncol Hematol*. 2020 December;156:103-120.
- Arabi M, Almutairi A, Alangari AA, Alamri MM, Alharbi A, Alvi A, Qazi Shahbaz, Alzahrani Y, Bashir O, **Khankan A**, Dulaigan E, Salman R, Almoaiqel M. Endovascular management of arterial injuries related to venous access: A retrospective review of 10-year single-center experience. *Arab J Intervent Radiol* 2018 January-June; 2 (1): 8-13.
- Jazieh AR, Al-Kattan K, Bamousa A, Al-Olayan A, AAbdelwarith A, Ansari J, Al-Twairqi A, Al-Fayea T, Al-Saleh K, Al-Husaini H, Abdelhafiez N, Mahrous M, Faris M, Al-Omar A, Hebshi A, Al-Shehri S, Al-Dayel F, Bamefleh H, Khalbuss W, Al-Ghanem S, Loutfi S, **Khankan A**, Al-Rujaib M, Al-Ghamdi M, Ibrahim N, Swied A, Al-Kayait M, Datario M. Saudi Lung Cancer Management Guidelines 2017. *Ann Thorac Med* 2017 October-December;12(4): 221-246.
- Alshimemeri S, Bamefleh H, Loutfi S, Bindous Y, **Khankan A**, Almusailhi W. Adequacy of Transthoracic Needle Biopsy Samples in the Diagnosis of a Peripheral Lung Lesion - Comparing Success Rates of Various Imaging Modalities. *International Journal of Medical Imaging*. 2017 April; 5 (3): 34-37.
- Guzaiz N, Arabi M, **Khankan A**, Salman R, Al-Toki M, Qazi S, Alzakari A, Al-Moaiqel M. Gastroesophageal stenting for the management of post sleeve gastrectomy leak. A single institution experience. *Saudi Med J*. 2016 December; 37 (12):1330-1334.
- Al-Shehri S, Qazi S, **Khankan A**, Al-Muaikeel M. Percutaneous Approach for Removal of a Migrated Cystogastric Stent from a Pancreatic Pseudocyst: A Case Report and Review of the Literature. *Radiology Case*. 2016 February; 10 (2): 18-25.

- Arab AF, Ahmed ME, Ahmed AE, Hussein MA, **Khankan AA**, Alokail RN. Accuracy of Canadian CT head rule in predicting positive findings on CT of the head of patients after mild head injury in a large trauma centre in Saudi Arabia. *Neuroradiol J* 2015 December; 28 (6): 591-7.
- Jazieh K, Arabi M, **Khankan A**. Transarterial Therapy: An Evolving Treatment Modality of Hepatocellular Carcinoma. *Saudi J Gastroenterol* 2014 November-December; 20 (6): 333-41
- Slavik T, Asselah F, Fakhrudin N, El Khodary A, Torjman F, Anis E, Quinn M, **Khankan A**, Kerr KM. Diagnosis and Predictive Molecular Analysis of Non-Small Cell Lung Cancer in the Africa-Middle East Region: Challenges and Strategies for Improvement. *Clin Lung Cancer* 2014 November; 15 (6): 398-404.
- Loutfi S, **Khankan A**, Ghanim SA. Guidelines for Multimodality Radiological Staging of Lung Cancer. *Journal of Infection and Public Health* 2012 December; 5 (Supplement 1): 14-21.
- Jazieh AR, Al Hadab A, Hebshi A, Abdulwarith A, Bamousa A, Saadeddin A, Al Olayan A, **Khankan A**, Al Dayel F, Al Husaini H, Al Jahdali H, Bamefleh H, Al Kattan K, Loutfi S, Rajab H, Al Ghanim S, Al Fayae T, Bahadur Y. The lung cancer management guidelines 2012. *Journal of Infection and Public Health* 2012 December; 5 (Supplement 1): 4-10.
- Al-Ghamdi HS, Saeed MA, Al-Tamimi AR, AlO'hali WA, **Khankan AA**, Al-Traif IH, Endoscopic Extraction of Vascular Embolization Coils That Have Migrated Into the Biliary Tract in a Liver Transplant Recipient. *Digestive Endoscopy* 2012 November; 24 (6): 462-465.
- Shaheen M, Hassanain M, Aljiffry M, Cabrera T, Chaudhury P, Simoneau E, Kongkaewpaisarn N, Salman A, Rivera J, Jamal M, Lisbona R, **Khankan A**, Valenti D, Metrakos P. Predictors of response to radio-embolization (TheraSphere®) treatment of neuroendocrine liver metastasis. *HPB Journal of the International Hepato Pancreato Biliary Association* 2012 January; 14 (1): 60-66.
- Keserci B, Kokuryo D, Suzuki K, Kumamoto E, Okada A, **Khankan AA**, Kuroda K. Near-real-time feedback control system for liver thermal ablations based on self-referenced temperature imaging. *European Journal of Radiology* 2006 May; 59 (2): 175-182.
- Murai S, Hamada S, Yamamoto S, **Khankan AA**, Sumikawa H, Inoue A, Tsubamoto M, Honda O, Tomiyama N, Johkoh T, Nakamura H. Evaluation of coronary artery bypass grafts using multidetector-row CT with Japanese patients. *Radiation Medicine* 2006 February; 24 (1):72-76.

- Osuga K, **Khankan AA**, Nakata S, Mikami K, Higashihara H, Tsuboyama T, Kim T, Hori M, Tomoda K, Murakami T, Nakamura H, White R. Usefulness of micronester coils for embolization of the gastroduodenal artery in implantation of a port-catheter system with a fixed-catheter tip technique. *Japanese Journal of Interventional Radiology* 2005 October; 20 (4): 406-410.
- Osuga K, **Khankan AA**, Nakata S, Mikami K, Higashihara H, Tsuboyama T, Kim T, Hori M, Tomoda K, Murakami T, Nakamura H, White R. Initial experience with use of micronester coil for embolotherapy. *Japanese Journal of Interventional Radiology* 2005 July; 20 (3): 285-288.
- Murai S, Hamada S, Ueguchi T, **Khankan AA**, Sumikawa H, Inoue A, Tsubamoto M, Honda O, Tomiyama N, Johkoh T, Nakamura H. Aortic compliance in patients with aortic regurgitation: evaluation with magnetic resonance imaging. *Radiation Medicine* 2005 Jun; 23 (4): 236-241.
- Murai S, Hamada S, Yamamoto S, **Khankan AA**, Sumikawa H, Inoue A, Mitsuko Tsubamoto, Honda O, Tomiyama N, Johkoh T, Nakamura N. Evaluation of major aortopulmonary collateral arteries (MAPCAs) using three-dimensional CT angiography: Two case reports. *Radiation Medicine* 2004 May-June; 22 (3): 186-189.
- Takeda T, Osuga K, Morishige K, **Khankan AA**, Tasaka K, Murata Y. A case of generalised oedema secondary to uterine artery embolisation for leiomyomata. *BJOG An International Journal of Obstetrics and Gynaecology* 2004 February 111 (2): 179-180.
- Sugihara E, Murakami T, Kim T, Hori M, Takamura M, Kawata S, Okada A, **Khankan AA**, Tomoda K, Nakamura H. Detection of hypervascular hepatocellular carcinoma with dynamic magnetic resonance imaging with simultaneously obtained in-phase and opposed-phase echo images. *Journal of Computer Assisted Tomography* 2003 March-April; 27 (2): 110-116.
- Osuga K, Hori S, Kitayoshi H, **Khankan AA**, Okada A, Sugiura T, Murakami T, Hosokawa K, Nakamura H. Embolization of high flow arteriovenous malformations: experience with use of superabsorbent polymer microspheres. *Journal of Vascular and Interventional Radiology* 2002 November; 13 (11): 1125-1133.
- Osuga K, **Khankan AA**, Hori S, Okada A, Sugiura T, Maeda M, Nagano H, Yamada A, Murakami T, Nakamura H. Transarterial embolization for large hepatocellular carcinoma with use of superabsorbent polymer microspheres: initial experience. *Journal of Vascular and Interventional Radiology* 2002 September; 13 (9 Pt 1): 929-934.

INTERNATIONAL PRESENTATIONS:

- **Khankan A**, Esmail A, Annab K, Zakko A, Abdulhaq M, Kenawi A. Durable Central Venous Access in Cancer Patients: Factors Influencing Devices Selection. *Cardiovascular and Interventional Radiological Society of Europe*, Annual Meeting, September 14 - 18, 2024, Lisbon, Portugal.
- **Khankan A**, Al-Ismael A, Annab K, Zakko A, Abdulhaq M, Kenawi A. Yttrium-90 Radioembolization Devices – Demystifying the Technicality for Juniors. *Cardiovascular and Interventional Radiological Society of Europe*, Annual Meeting, September 14 - 18, 2024, Lisbon, Portugal.
- **Khankan A**, Al-Ismael A, Ejaz M, Nazer R, Abdulhaq M, Kenawi A. Image-guided Biopsy Techniques in Sarcoma: Special Considerations. *European Conference on Interventional Oncology*, April 28 - May 1, 2024 Palma de Mallorca, Spain
- **Khankan A**, Alghaith N, Algain A, Alzahrani K, Alzahrani H, Alsulami B, Alkharoubi R, Abdullah A. Outcomes of Percutaneous Image-Guided Intrathoracic Biopsy: A Tertiary Care Center Experience. *Pan Arab Interventional Radiology Society*, Annual Scientific Congress, March 10 - 13, 2024 Dubai, United Arab Emirates.
- **Khankan A**, Abdulhaq M, Al-Ismael A, Huwajjah H, Mohammed A, Kanawi A. Palliative Interventional Radiology – A Framework for Avoiding Futility of Care. *Society of Interventional Radiology*, 49th Annual Scientific Meeting, March 23 - 28, 2024, Salt Lake City, Utah, USA
- **Khankan A**, Abdulhaq M, Algain A, Nazer R, Kenawi A. Measurement of Hepatic Venous Pressures Made Simple. *Cardiovascular and Interventional Radiological Society of Europe*, Annual Meeting, September 9 - 13, 2023, Copenhagen, Denmark.
- **Khankan A**, Al-Shehri S, Salman R, Al-Muaikeel M. Removal of Subcutaneously Maldeployed Supera Vascular Stent. *International Conference on Complications in Interventional Radiology*, June 1- 3, 2023, Poertschach, Austria.
- **Khankan A**, Abdulhaq M, Asadi F, Alkenawi A. Ultrasound-guided Botox injection into Salivary Glands in Pediatric Patients with Drooling. *Society of Interventional Radiology*, Annual Scientific Meeting, June 11 - 16, 2022, Boston, Massachusetts, USA.
- **Khankan A**, Abdulhaq MM, Al-Hejaili WA, Brembali M, Kenawi A. Sharp Recanalization of Central Venous Occlusion in Hemodialysis Patients- A Potpourri of Techniques and Sharp Tools. *Cardiovascular and Interventional Radiological Society of Europe*, Online Summit, October 25 - 28, 2021.

- **Khankan A**, Abdulhaq MM, Al-Khammash M, Alayoub A, Kenawi A. Percutaneous Gastrostomy Placement in Advanced Head, Neck and Esophagus Cancer: When and Why the Radiologic Technique? *Society of Interventional Radiology*, Virtual Annual Scientific Meeting, June 13 - 14, 2020, USA.
- **Khankan A**, Abdulhaq MM, Alayoub A, Al-Khammash M, Kenawi A. The Rebirth of Biopsy of Hepatocellular Carcinoma as a Necessity in the Era of Targeted Therapy. *Society of Interventional Radiology*, Virtual Annual Scientific Meeting, June 13 - 14, USA.
- **Khankan A**, Alzahrani AA, Baashar AS. Percutaneous Radiologic Gastrostomy in Palliative Care. *Pan Arab Interventional Radiology Society*, Annual Scientific Congress, February 26 -29, 2020 Dubai, United Arab Emirates.
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- **Khankan AA**, Al-Shehri S, Saad K, Almoaiqel M. Percutaneous Renal Biopsy: Essentials for Junior Radiologists. *The European Congress of Radiology*, March 4 - 8, 2015, Vienna, Austria.
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- **Khankan A**, Al-Enezi K, Jazieh K, Al-Shehri S, Alrubaish S, Muaikeel M. Prophylactic Internal Iliac Balloon Occlusion for Women with Abnormal Placentation: A Single Institution Study. *International Symposium on Endovascular Therapy*, January 19 - 23, 2013, Miami Beach, Florida, USA.
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- **Khankan A**, Loutfi S, Mohamed FM, Ghanim S, Albassam W, Mukhtar F, Al-Moaiqel M. MDCT of Partial Anomalous Pulmonary Venous Return: A Pictorial Review. *International Symposium on Endovascular Therapy*, January 16 - 20, 2011 Miami Beach, Florida, USA.
- **Khankan A**, Loutfi S, Al-Hazmi T, Mohammed MF, M. Almoaiqel M. Persistent Left Superior Vena Cava: What Every Interventionalist Should Know. *Cardiovascular and Interventional Radiological Society of Europe*, Annual Meeting, October 2 - 6, 2010 Valencia, Spain.

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INTERNATIONAL PRESENTATIONS (co-author):

- Annab K, **Khankan A**, Abdulhaq M, Kanawi A. Sharp Injuries and Splash Exposure for Scrub IR Technologists- A Potpourri of Safety Issues. *Pan Arab Interventional Radiology Society*, Annual Scientific Congress, March 10 - 13, 2024 Dubai, United Arab Emirates.

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WORK IN PROGRESS (under consideration for publication or presentation):

- **Khankan A**. Ablative treatments for benign conditions-Uterine fibroid. Invited for *Cardiovascular and Interventional Radiological Society of Europe*, Annual Meeting, September 13-17, 2025, Barcelona, Spain.
- **Khankan A**. Central Vascular Access in Pediatric Population - What Every Interventionalist Should Know. Invited for *The 19th Annual Scientific Meeting of the Asia Pacific Society of Cardiovascular and Interventional Radiology*, April 25 - 27, 2025, in Da Nang, Vietnam.
- **Khankan A**. Limitations of BCLC: Alternative Algorithms and Approaches. Invited for *Pan Arab Interventional Radiology Society*, Annual Scientific Congress, April 9 – 12, 2025, Dubai, United Arab Emirates
- **Khankan A**, Al-Dulaigan E. A Broken Hardware During Percutaneous Radiofrequency Ablation of Femoral Osteoid Osteoma: To Retrieve or Retain? Accepted for *International Conference on Complications in Interventional Radiology*, December 16 - 18, 2020, Vienna, Austria (*meeting was cancelled*)

- **Khankan A**, Al-Ismael A, Zakko A, Meir G, Abdulhaq M, Kenawi A, Optimization of the Needle Biopsy Tissue: The Journey from the Interventionalist to the Pathologist.
- **Khankan A**, Al-Ismael A, Meir G, Zakko A, Abdulhaq M, Kenawi A, Topical Hemostatic Agents and Tissue Sealants: An Outlook on Their Applications in Interventional Radiology.
- **Khankan A**, Abdulhaq M, Al-Shehri S, Al-Moaiqel M. A Fatal Rupture of Superior Vena Cava During Angioplasty.
- **Khankan A**, Abdulhaq M, Brembali M, Al-Kenawi A. Removal of Surgically-left Fragmented Hemodialysis Catheter Using Reciprocating Traction and Release Technique.
- **Khankan A**, Abdulhaq M, Zakko A, Al-Ismael A, Aris F, Kanawi A. Renal Mass Biopsy: Current and Future Trends.

SPECIAL ACADEMIC AND CLINICAL SKILLS AND INTERESTS:

- Interventional Radiology Fellowship Program Director
- Member of Board of Directors of Pan Arab Interventional Radiology Society
- Editorial board member of Pan Arab Journal of Interventional Radiology.
- Associate Editor of Innovations in Surgery and Interventional Medicine Journal.
- Member of Advisory Committee of Image-guided Endovascular Therapy,
- Member of Association of Program Directors in Interventional Radiology (APDIR).
- Reviewer for interventional radiology peer-reviewed journals JVIR, CVIR, AJIR and ISIM.
- Reviewer for the Annual Scientific Meeting of the Society of Interventional Radiology and the Annual Scientific Congress of Pan Arab Interventional Radiology Society.
- Teaching medical students, residents and fellows and mentoring their research work.
- Developing and updating clinical guidelines.
- Promoting interventional radiology at institutional and national level.
- Performing experimental basic studies and conducting clinical studies.
- Authorized user of SIR-Sphere® and TheraSphere® for liver tumors.
- Embolotherapy for uterine fibroid and varicocele.
- Hepatopancreatobiliary diseases interventional management.
- Central venous occlusion management
- Interventional Oncology