***السيرة الذاتية***

**د. نبأ عبد اللطيف رشيد ناجي**

***الجامعة المستنصرية – كلية ---الطب-------***

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ملخص تعريفي: د. نبأ عبد اللطيف رشيد، اختصاص فيزياء طبية، خبرة في تقنيات العلاج والتصوير الشعاعي والوقاية من الاشعاع، مؤسس الجمعية العراقية للفيزياء الطبية

 **الشهادات الدراسية:**

* دكتوراه فيزياء طبية/كلية الطب - الجامعة المستنصرية بالتعاون مع جامعة روان/ فرنسا

ماجستير فيزياء طبية/ كلية الطب - الجامعة المستنصرية

* بكالوريوس فيزياء عامة/ كلية العلوم - الجامعة المستنصرية

الجوائز والتكريم الأكاديمي

* شهادة براءة اخترع عن تصنيع مادة واقية من الاشعة السينية التشخيصية

الخبرة الأكاديمية والتدريس:

* خبرة في إدارة مختبر الفيزياء الطبية واختيار التجارب العملية التي توفر خبرة عملية في مجال التصوير الطبي الشعاعي والعلاج الاشعاعي
* خبرة في اعداد المناهج الاكاديمية لطلبة المرحلة الأولى في كليات الطب، واعداد مناهج اقسام الفيزياء الطبية في كليات العلوم، واعداد مناهج الدراسات العليا في اختصاص الفيزياء الطبية بما يتوافق مع المعايير الدولية للاختصاص.
* خبرة في تعريف وإدارة المشاريع البحثية لطلبة الدراسات العليا والمجاميع البحثية في الاختصاصات الدقيقة للفيزياء الطبية
* خبرة في إقامة ورش العمل والمؤتمرات العلمية وتبادل الخبرات في اختصاص الفيزياء الطبية

**المقررات الدراسية التي تم تدريسها:**

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| **الدراسات الأولية** | **الدراسات العليا** |
| فيزياء جسم الانسان والتي تشمل فيزياء الهيكل العظمي، مبادئ التصوير باستخدام تقنية الأمواج فوق الصوتية وتقنية التصوير بالأشعة السينية (المفراس) | مبادئ وتقنيات العلاج الاشعاعيالطب النوويتقنيات التصوير الطبي الاشعاعيالوقاية من الاشعاعمبادئ الليزر وتطبيقاتهفيزياء جسم الانسان |

**الأنتساب المهني او الجمعيات:**

* لجنة الارشاد النفسي والتربوي في كلية طب المستنصرية
* اللجنة العلمية/ فرع الفسلجة -كلية الطب/ الجامعة المستنصرية
* اللجنة الامتحانية في كلية الطب/ الجامعة المستنصرية
* لجنة التعليم الفرعية/ البورد الأمريكي الدولي للفيزياء الطبية / الجمعية الامريكية للفيزياء الطبية
* لجنة تقييم الاحتياجات الدولية في العراق والشرق الأوسط في الفيزياء الطبية/ الجمعية الامريكية للفيزياء الطبية
* لجنة التخطيط والتدريب في اختصاص الفيزياء الطبية/ وزارة الصحة
* مجلس السرطان العراقي / وزارة الصحة
* اللجنة العلمية لتنظيم المؤتمر الأول لجمعية الشرق الأوسط للفيزياء الطبية 2011
* عضو الجمعية الامريكية للفيزياء الطبية 2011- الان
* عضو اللجنة العلمية لمؤتمر الدراسات العليا الثاني/ كلية الطب-الجامعة المستنصرية

**المنشورات العلمية**

- The importance of leads selection in the assessment of QT dispersion by the electrocardiogram (Research)- published in the journal of Basic Medical Science/ 2006.

- Effect of duration and glycemic control on autonomic nerve function parameters in diabetic subjects: published in the journal of Basic Medical Science/ 2006.

 - Assessments of Predominance of Cardiac Autonomic Neuropathy in Iraqi Diabetic Subjects: published in the journal of Basic Medical Science/ 2006.

- Heamorheological and pulmonary function changes in Diabetes Mellitus (Research)/2001.

- A study of some haemorheological parameters in correlation to lung diffusion capacity in diabetic patients- published in the journal of Basic Medical Science/ 2002.

- Effect of plasma, RBCs viscosity and aggregation on haemorheology in diabetes mellitus- published in the journal of Basic Medical Science/ 2002.

- Effect of duration and glycemic control on peripheral nerve function parameters in diabetic subjects. Published in the journal of Basic Medical Science/ 2009.

- Effect of duration and glycemic control on autonomic nerve function parameters in diabetic subjects. Published in the journal of Basic Medical Science/ 2009.

- Hypothermic cardiopulmonary bypass in CABG surgery, it is the time to revise our protocols. Published in the Iraqi new medical journal. January 2016: 2(1).

- Effect of laser on erythrocyte sedimentation rate and some hematological parameters. J Fac. Med. Baghdad. 59 (1), 2017.

- Efficiency of the prescribed dose of the Gamma knife for the treatment of Trigeminal Neuralgia. Published in the Journal of "Interdisciplinary Neurosurgery, 14 (2018): 9-13"

- Using the Region of Interest option "ROI" of MRI to distinguish between MS and ischemia plaques in the CNS. Published in the Internanational Journal of Science and Research (IJSR), Volume 6 Issue 12, December 2017.

- Optimization of 3DCRT for paraotid gland cancer. Published in Global Journal of Bioscience and Biotechnology. Vol 7 (1).018:56-59. Paper ID: ART20178645.

- Invitro impact of laser irradiation on platelet aggregation. Published in the Journal of "Laser in Medical Science, https://doi.org/10.1007/s10103-018-2527-4".

- Effect of Obesity on the Contralateral Breast Dose. Published in the Indian Journal of Natural Sciences, Vol. 8, Issue 49.August 2018: 14330-14334.

- Investigation of Gamma Ray Shielding by Polymer Composites. It was a Part of The 1st International Conference on Materials Engineering and Science (IConMEAS), Held in Istanbul Aydin University – Turkey .

- Treatment plan optimization for the bilateral breast cancer radiotherapy by using Three Dimensional Conformal Radiotherapy Treatment )3DCRT( technique for lumpectomy and mastectomy cases . As a supervisor of this MSc. research/ Postgraduate studies of the medical physics in Mustansiriyah Medical College. Publication is on going.

- Assessment of gamma knife dosimetry and planning for the brain atrioventricular malformation. As a supervisor of this MSc. research/ Postgraduate studies of the medical physics in Mustansiriyah Medical College.

- Effect of Gamma photons’ dose on the volumes of the Arteriovenous malformation post Gamma Knife Radiosurgery. Teikyo Medical Journal. ISSN: 03875547. Volume 44, Issue 06, December, 2021.

- Prediction of the optimum radiotherapy plan of Parotid gland cancer by the Homogeneity Index. Bultin of National Institute of Health Sciences. ISSN: 1343-4292, Volume 140, Issue 03, June, 2022.

- Effect Of Using Bolus on The Efficiency of the 3DCRT of The Breast Cancer After Mastectomy. Accepted for publication in the Academic International Medical Physics Conference 2021 (AIMPC 2021). The paper will be published in the journal (AIP Conference Proceedings) (ISSN: 0094-243X) and indexed in leading databases — Web of Science, Scopus, and Inspec.

- Contralateral breast tissue thickness changes post radiotherapy of breast cancer patients. Accepted for publication in the Latin American Journal of Pharmcy/ Al-Kafeel 4th international conference/ Dec. 20-21, 2022.

- Effect of the Three Dimensional Conformal Radiotherapy (3DCRT) Peripheral Dose on The Nipple Region of The Opposite Breast of The Obese Cancer Patients. 2022 International symposium on multidisciplinary studies and innovative technologies. IEEE November 16, 2022.

- The correlation between the contralateral breast volume and the scattered dose during the 3DCRT of the breast cancer. On going research project.

- Assessment of the image quality of the cervical spine complications by using Turbo Field MRI pulse sequence. On going research project.

**تطوير المهارات:**

* دورة طرائق التدريس/ الجامعة المستنصرية 2002.
* دورة مركزة في اللغة الإنكليزية/ جامعة بغداد 2002
* دورة مركزة في اللغة الفرنسية/ المركز السمعي والبصري في مدينة كاريل/ فرنسا
* دورة بناء القدرات/ المنظمة الدولية للتنمية/ 2006
* دورة مهارات التدريس/ المنظمة الدولية للتنمية/ 2007
* دورة مهارات القيادة/ المنظمة الدولية للتنمية/ 2008
* دورة تدريبية في العلاج الاشعاعي/ مدينة الطب-مستشفى الاشعاع والطب النووي

***Curriculum Vitae***

**Dr.Nabaa A.Rasheed Naji**

***Mustansiriyah University – College of ----------***

***Mobile****: +9647804829466*

***Email****:* *username@email.com*

 **Personal Summary:**

* Short words not short paragraph please. With some Professionals.

 **Education:**

• Ph.D in Medical Physics Science/ Dept. of Physiology/ College of Medicine/ Al-Mustansiriya University in collaboration with Rouen university and Charle Nicole Teaching Hospital/ France-2007.

• The research work leading to the degree of Ph.D was done in the Cardiology Dept./ Charles Nicolle Hospital/ University of Rouen-France/ 2004-2005.

• M.Sc. in Medical Physics Science/ Dept. of Physiology/ College of Medicine/ Al-Mustansiriya University-2002.

• B.Sc. in general Physics Science/ Dept. of Physics/ College of Science/ Al-Mustansiriya University-1995.

 **ACADEMIC HONORS AND AWARDS:**

Patent certificate for manufacturing a radiation protection material against the diagnostic X-ray

 **ACADEMIC /TEACHING EXPERIENCE:**

* Experience in managing teaching medical physics laboratories for under graduate and postgraduate students.
* Experience in the management of undergraduate curriculum of undergraduate medical physics departments
* Experience in managing the postgraduate curriculum in the subspeciality of medical physics departments/ MSc. medical physics studying programs
* Experience in identifying and implementing research projects in the fields of medical physics, radiotherapy, dosimetry, radiation protection, laser principles and applications, and other health physics projects
* Experience in identifying and implementing workshops, seminars, and conferences of medical physics
* Experience in conducting trainings for the medical physicists and community building capacities.

**COURSES TAUGHT:**

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| **Undergraduate** | **Graduate** |
| Physics of the body, Imaging principlales and techniques of Ultrasound, diagnostic X-ray and CT scanner, and other physical therapeutic and imaging courses of medical physics | Radiation dosimetryRadiation protectionNuclear medicine Diagnostic radiology  |

**PROFESSIONAL AFFILIATIONS:**

* Founder of Iraqi Medical Physics Society 2009-2013
* President of the Iraqi Medical Physics Society 2013-2021.
* Member of the Jordanian Society of Medical Physics 2010
* Member of the International Medical Physics Certification Board (IMPCB)/ AC/ sub-committee 2011- till present
* Member of the Jordinian Association of Physics in Medicine (JAPM). October 2010.
* Member of medical physics planning for training committee. Ministry of Health (MOH). Baghdad-Iraqi. May, 2011-2017.
* Member of the scientific committee of the first conference of Middle East Federation of Medical Physics (MEFOMP). 2011.
* Member of the American Association of Physics in Medicine (AAPM). Sept. 2011 till present.
* Committee member of Global Needs Assessment of medical physics specialist in the middle east/ as a part of the international organization of physicists in medicine (IOMP) 2021 till present.
* Deputy head of department. Physiology Dep. Mustansiriya Medical College. Baghdad-Iraq From 2014 - 2018.
* Member of the scientific committee of the 2nd postgraduate conference, organized by Mustansiriyah Medical College, 2017.
* Member of the Iraqi Cancer Board (ICB), ministry of health. Baghdad-Iraq.from 2011 till present
* President of the Iraqi Medical Physics Society (IMPS), from 2013 - 2021.
* Deputy chief of the Iraqi Medical Physics Society 2021 till present

**PUPLICATIONS:**

* The importance of leads selection in the assessment of QT dispersion by the electrocardiogram (Research)- published in the journal of Basic Medical Science/ 2006.
* - Effect of duration and glycemic control on autonomic nerve function parameters in diabetic subjects: published in the journal of Basic Medical Science/ 2006.
* - Assessments of Predominance of Cardiac Autonomic Neuropathy in Iraqi Diabetic Subjects: published in the journal of Basic Medical Science/ 2006.
* Heamorheological and pulmonary function changes in Diabetes Mellitus (Research)/2001.
* A study of some haemorheological parameters in correlation to lung diffusion capacity in diabetic patients- published in the journal of Basic Medical Science/ 2002.
* Effect of plasma, RBCs viscosity and aggregation on haemorheology in diabetes mellitus- published in the journal of Basic Medical Science/ 2002.
* - Effect of duration and glycemic control on peripheral nerve function parameters in diabetic subjects. Published in the journal of Basic Medical Science/ 2009.
* Effect of duration and glycemic control on autonomic nerve function parameters in diabetic subjects. Published in the journal of Basic Medical Science/ 2009.
* Hypothermic cardiopulmonary bypass in CABG surgery, it is the time to revise our protocols. Published in the Iraqi new medical journal. January 2016: 2(1).
* Effect of laser on erythrocyte sedimentation rate and some hematological parameters. J Fac. Med. Baghdad. 59 (1), 2017.
* Efficiency of the prescribed dose of the Gamma knife for the treatment of Trigeminal Neuralgia. Published in the Journal of "Interdisciplinary Neurosurgery, 14 (2018): 9-13"
* Using the Region of Interest option "ROI" of MRI to distinguish between MS and ischemia plaques in the CNS. Published in the Internanational Journal of Science and Research (IJSR), Volume 6 Issue 12, December 2017.
* Optimization of 3DCRT for paraotid gland cancer. Published in Global Journal of Bioscience and Biotechnology. Vol 7 (1).018:56-59. Paper ID: ART20178645.
* Invitro impact of laser irradiation on platelet aggregation. Published in the Journal of "Laser in Medical Science, https://doi.org/10.1007/s10103-018-2527-4".
* Effect of Obesity on the Contralateral Breast Dose. Published in the Indian Journal of Natural Sciences, Vol. 8, Issue 49.August 2018: 14330-14334.
* Investigation of Gamma Ray Shielding by Polymer Composites. It was a Part of The 1st International Conference on Materials Engineering and Science (IConMEAS), Held in Istanbul Aydin University – Turkey .
* Treatment plan optimization for the bilateral breast cancer radiotherapy by using Three Dimensional Conformal Radiotherapy Treatment )3DCRT( technique for lumpectomy and mastectomy cases . As a supervisor of this MSc. research/ Postgraduate studies of the medical physics in Mustansiriyah Medical College. Publication is on going.
* Assessment of gamma knife dosimetry and planning for the brain atrioventricular malformation. As a supervisor of this MSc. research/ Postgraduate studies of the medical physics in Mustansiriyah Medical College.
* Effect of Gamma photons’ dose on the volumes of the Arteriovenous malformation post Gamma Knife Radiosurgery. Teikyo Medical Journal. ISSN: 03875547. Volume 44, Issue 06, December, 2021.
* Prediction of the optimum radiotherapy plan of Parotid gland cancer by the Homogeneity Index. Bultin of National Institute of Health Sciences. ISSN: 1343-4292, Volume 140, Issue 03, June, 2022.
* Effect Of Using Bolus on The Efficiency of the 3DCRT of The Breast Cancer After Mastectomy. Accepted for publication in the Academic International Medical Physics Conference 2021 (AIMPC 2021). The paper will be published in the journal (AIP Conference Proceedings) (ISSN: 0094-243X) and indexed in leading databases — Web of Science, Scopus, and Inspec.
* Contralateral breast tissue thickness changes post radiotherapy of breast cancer patients. Accepted for publication in the Latin American Journal of Pharmcy/ Al-Kafeel 4th international conference/ Dec. 20-21, 2022.
* Effect of the Three Dimensional Conformal Radiotherapy (3DCRT) Peripheral Dose on The Nipple Region of The Opposite Breast of The Obese Cancer Patients. 2022 International symposium on multidisciplinary studies and innovative technologies. IEEE November 16, 2022.
* The correlation between the contralateral breast volume and the scattered dose during the 3DCRT of the breast cancer. On going research project.
* Assessment of the image quality of the cervical spine complications by using Turbo Field MRI pulse sequence. On going research project.

**PROFFESSIONAL DEVELOPMENT**

• Intensive course in computer programming and internet/ Dept. of Computer Science/ College of Engineering/ Al- Mustansiriya University/ 1998-1999.

• A course in Teaching Methods for the undergraduate students/ Al-Mustansiriya University/ 2002.

• Intensive course in the English language/ College of Education-Baghdad University/ 1998-1999.

• Intensive course in the French language/ The Audio Visual Center (C.A.R.E.L)/ Royan-France/ 2004-2005.

• Co-Training course in Capacity Building for Community Action Group Members which was organized by the International Relief and Development (IRD) Organization/ Iraq-Baghdad 16-17/8/2006.

• Syco-Social Training Course for Iraqi Primary Teachers which was organized by the International Relief and Development (IRD) Organization/ Iraq-Erbil 28-3/6/2007.

• Advanced Teaching Skill Development for the university teaching staff member who was organized by the International Relief and Development (IRD) Organization/Iraq-Baghdad 13-28/9/2007.

• Iraqi Community Action Program Staff (CAPII) Re-treat, which was organized by USAID- International Relief and Development (IRD) Organization/ Istanbul 21-25/10/2007.

• Advanced Training Course for Facilitators which was organized by the United States Institute of Peace (USIP)/Iraq-Dokan 27-30/10/2007.

• Iraq Community Action Program National Conference "Working Together for a Better Iraq" which was organized by USAID- CAP II / Erbil 9-11 April, 2008

• Advanced Training Course for Facilitators-New Cadre II (central Iraq provinces) & cadre III (south central Iraqi provinces) which was organized by the United States Institute of Peace (USIP)/Iraq-Erbil 31/5-12/6/2008.

• Strategic, Economic, Needs and Security Exercises (SENSE) program. Practical Session and simulation for SENSE team which was organized by the United States Institute of Peace (USIP)/Iraq-Baghdad, Al-Rashid Hotel 12-13/9/2008.

• Leadership Training Program. USAID-IRD/ Community Action Program ICAP III Baghdad & Baqouba. Baghdad. Dec 17-18, 2008.

• Local Governance Training Program. Iraq Strengthen Local Governance Program. (ISLGP)/ USAID-RTI. Baghdad Dec, 2008.

• Community Based Planning and Action. TOT Training program. USAID-IRD/ Community Action Program ICAP III Baghdad & Baqouba.. Baghdad/ January 5-12, 2009.

• The First Conference for organizing the work of local non governmental organizations (NGO) in Iraq. Baghdad-Al-Rasheed Hotel. Conducted by the ministry of displaced and migrants (MODM) in cooperation with the ministry of civil society affairs, UNHCR, IOM, IR AND IMC. Feb 14-15, 2009.

• Workshops for the Iraqi medical physicists and radiation oncologist. Baghdad radiotherapy and nuclear medicine hospital, conducted by the International Medical Corp (IMC). December 16-18, 2009.

• Advanced gender equality/ Capacity building training program for the community action groups in Baghdad & Baqouba. Erbil=Iraq. January 16-22, 2010.

• Leadership training course for Iraqi youth university students organized by the international Relief and Development Org. (IRD) in Sulaymania-American University. January 31- February 5, 2010.

• Iraqi medical specialty societies support program organized by the International Medical Corp (IMC). Baghdad-Iraq. April 17th 2010.

• The 27th annual meeting of the American College of Medical Physics (ACMP), organized by the ACMP in coordination with the American Association of Physics in Medicine (AAPM). The United States of America. Texas, San Antonio. May 22-25, 2010.

• First National conference on therapeutic and diagnostic medical physics, organized by king Hussein cancer center in collaboration with the international scientific exchange program of the American Association of Physicists in Medicine (AAPM) and the Jordan Association of Physicists in Medicine (JAPM). Amman- Jordan. October 7-10, 2010.

• Aadvanced training course on community Mobilization and Motivation incorporating: Participative facilitation, reporting, Workload Management, Outcome Measurement, Volunteerism, community- Local Government Communication, Advocacy, Mobilization Methodology conducted in Erbil for the period October 23-28, 2010 by the international Trainer Jeremy C. Condor. Organized by International Relief and Development Org. (IRD).

• Workshop and conference for IMSS supported programs. Organized by the International Medical Corps (IMC). Erbil. June 18-19, 2011.

• Medical Physics Society training course. Organized by the IMC. Erbil. June 20, 2011.

• Training course and certification of the International Certification of the computer and Internet "IC3". July 25, 2011.

• Training course in "Strengthening Radiological Protection of Patients and Medical Exposure Control" . which is organized by the IAEA. Italy, Udine on Nov 7-13, 2012.

• Best of Astro Iraq course and meeting in radiation oncology officially lisceneced by the American society of radiation oncology. Organized by Zhianawa cancer center and accredited by the university of Sulaimaniya/college of Medicine. At A-Fruk Medicl City from 16-20 May, 2017.

• 2nd scientific postgraduate studies conference, organized by Mustansiriya University-college of medicine. Baghdad-Iraq, Dec. 21, 2017.

• The role of Iraqi Medical Physics Society in the advancement of the undergraduate and postgraduate studies in medical physics specialty, organized by the Iraqi Medical Physics Society (IMPS) in collaboration with Al-Kark university for science. Al-Karkh University for Science. January 4,2018. Baghdad-Iraq.

• Deutsch language course. VHS school. B1 and part of B2 Deutsch language levels. January, 2019 – December, 2019. Germany-Herford.

• The international conference of the advanced technologies in diagnosis and treatment of cancer. 6-7 April, 2019. Alalamain Institution for Higher Education, Kufa Street, Najaf – Iraq.

• The 2020 conference on lasers and electro optics “CLEO”, presented in an all virtual, web conference format. May 11-15, 2020.

• Medical physics between diagnosis and medical treatment (virtual conference). Organized by the medical physics department, the college of applied sciences, University of Falluja, Anbar, Iraq. November 7, 2020.

• Chair session in the 2021 virtual MEFOMP medical physics conference, from 5th to 7th of April.

• UIMA virtual surgical oncology conference. April 9, 2021.

• Scientific committee member of the first Academic International Medical Physics conference (AIMP). Nov. 6, 2021. Iraq-Baghdad. Mustansiriyah Medical College.