

CURRICULUM VITAE AND LIST OF STUDIES

PERSONAL DETAILS

Full Name: Serap GÜLTEKİN

Date of Birth: 13 February 1974

Educational Status:

Degree	Department/Program	University	Year
Bachelor's Degree.	School of Medicine (Eng.)	Hacettepe University	1997
Doctorate/Medical Specialty	Radiodiagnostic	Gazi University	2002

Positions:

Position Title	Place of Duty	Year
Resident,	Radiology Department, School of Medicine, Gazi University	June 1998 – December 2002
Physician	Radiology Department, School of Medicine, Gazi University	January 2004 - February 2007:
Assistant Professor	Radiology Department, School of Medicine, Gazi University	February 2007 – April 2010
Associate Professor	Radiology Department, School of Medicine, Gazi University	April 2010 – December 2017
Professor	Radiology Department, School of Medicine, Gazi University	December 2017

Scientific Organization Memberships:

Turkish Society of Radiology

European Society of Breast Imaging European Society of Radiology Ankara Breast Diseases Association

LETTERS/ARTICLES/PUBLICATIONS

A. Articles published in international peer-review journals:

A1.Ercan N, Gultekin S, Celik H, Tali TE, Oner YA, Erbas G, “Diagnostic Value of Contrast-enhanced Fluid Attenuated Inversion Recovery (FLAIR) Sequence In Intracranial Metastases”, American Journal Neuroradiology, **25**, 761 - 765 (2004)

A2.Karaosmanoglu D, Oktar SO, Erbas G, Gultekin S, Arac M, “Spontaneous Renal Hemorrhage In A Patient With Behçet’s Disease Using Clopidogrel”, European Journal of Radiology Extra, **52**, 123–125 (2004)

- A3.**Arac M, Celik H, Oner AY, **Gultekin S**, Gumus T, Kosar S, "Distinguishing Pelvic Phleboliths From Distal Ureteral Calculi: Thin-slice CT Findings, *European Radiology*, **15**, 65-70 (2005)
- A4.**Tali ET, **Gultekin S**, "Spinal Infections", *European Radiology*, **15**, 599-607 (2005)
- A5.**Celik H, Ozdemir H, Yucel C, **Gultekin S**, Oktar SO, Arac M, "Characterization of Hyperechoic Focal Liver Lesions: Quantitative Evaluation With Pulse Inversion Harmonic Imaging In The Late Phase of Levovist, *Journal of Ultrasound in Medicine*, **24**, 39-47 (2005)
- A6.**Celik H, Karaosmanoglu DA, **Gultekin S**, Tokgoz N, Tali ET, "Cerebral Amebiasis: MRI, DWI, Perfusion And MRS Features", *Rivista di Neuroradiologia*, **18**, 559-563 (2005)
- A7.**N. Tokgoz, H. Celik, **S. Gultekin**, N. K. Voyvoda, A. Y. Oner, E. T Tali, "Is There A Role For Apparent Diffusion Coefficients in The Differential Diagnosis of Brain Tumors ?", *The Neuroradiology Journal*, **19**, 322-329 (2006)
- A8.****Gultekin S**, Yucel C, Ozdemir H, Celik H, Oktar S, Arac M, "The Role Of Late- Phase Pulse Inversion Harmonic Imaging In The Detection Of Occult Hepatic Metastases", *Journal of Ultrasound in Medicine*, **25**, 1139-1145 (2006)
- A9.**Biri A, Kurdoğlu M, Kurdoğlu Z, **Gultekin S**, Gursel T, "Acute Abdominal Pain Due To A Spontaneous Intramyometrial Hematoma In Type 3 Von Willebrand Disease", *Pediatric Emergency Care*, **22**, 650-652 (2006)
- A10.**Tokgoz N, Kanatlı U, Voyvoda N, **Gultekin S**, Bolukbası S, Tali ET, "The Relation Of Glenoid And Humeral Version With Supraspinatus Tears", *Skeletal Radiology*, **36**, 509-514 (2007)
- A11.**Voyvoda N, Ozdemir A, **Gultekin S**, "Mammography Device Use In Turkey, And Quantity And Quality Analysis Of Mammography Education", *Diagnostic and Interventional Radiology*, **13**, 129-133 (2007)
- A12.**Ozdemir A, Voyvoda N, **Gultekin S**, Tunçbilek I, Dursun A, Yamac D, "Can Core Biopsy Be Used Instead Of Surgical Biopsy In The Diagnosis And Prognostic Factor Analysis Of Breast Carcinoma?", *Clinical Breast Cancer*, **7**, 791-795 (2007)
- A13.**Tuncbilek I, Ozdemir A, **Gultekin S**, Ogur T, Erman R, Yuce C, "Clinical Outcome Assessment In Mammography: An Audit Of 7,506 Screening And Diagnostic Mammography Examinations", *Diagnostic and Interventional Radiology*, **13**, 183-187 (2007)
- A14.****Gultekin S**, Celik H, Akpek S, Oner Y, Gumus T, Tokgoz N, "Vascular Loops At The Cerebellopontine Angle: Is There A Correlation With Tinnitus?", *American Journal of Neuroradiology*, **29**, 1746-1749 (2008)
- A15.**Akin M, Irkorucu O, Koksali H, Isikgonul I, **Gultekin S**, Kurukahvecioglu O, AZ Anadolu, Tekin E, "Phyllodes Tumor of the Breast; A Case Series," *Bratislava Medical Journal*, **111**, 271-274, (2010)

A16.E. Esen, Y. Doğramacı, S. Gültekin, M. Deveci, F. Suluova, U. Kanatlı, S.

Bölükbaşı, "Factors affecting results of patients with humerus proximal end fractures undergoing primary hemiarthroplasty: *A retrospective study in 42 patient*", *Injury*, **40**, 1336-1341, (2009)

A17.E. Esen, Y. Doğramacı, S. Gültekin, G. Görmeli, A. Yıldırım, U. Kanatlı, S.

Bölükbaşı, "Comparison of radiation exposure times in the treatment of pediatric supracondylar humeral fractures with open-closed reduction and internal fixation",

Acta Orthop Traumatol Turc, **43**, 400-405 (2009)

A18.Oztekin PS, Tuncbilek I, Kosar P, Gültekin S, Öztürk FK, "Nodular sclerosing adenosis mimicking malignancy in the breast: magnetic resonance imaging findings.", *Breast J*, **17**, 95-7 (2011)

A19.Öner AY, Aggunlu L, Akpek S, Celik A, Le Roux P, Tali T, Gultekin S, " Staging of hip avascular necrosis: is there a need for DWI?" *Acta Radiol*. **57**,111-4, (2011)

A20.Gultekin IB, Imamoglu GI, Turgal M, Gultekin S, Öcal FD, Alkan A, Kucukozkan T. "Elastosonographic evaluation of patients with a sonographic finding of thickened endometrium." *Eur J Obstet Gynecol Reprod Biol*, **198**,105-9 (2016)

A21.Gultekin IB, Altinboga O, Ozkaya E, Gultekin S, Mahmutoglu S, Kara OF, Kucukozkan T, "Waist Circumference as a Predictor of Failure of Sonographic Estimation of Fetal Birth Weight", *Gynecol Obstet Invest*. **81**, 23-7 (2016)

A22.Gultekin S, Gultekin IB, Icer B, Yilmaz E, Alkan A, Kucukozkan T, "Comparison of elastosonography and digital examination of cervix for consistency to predict successful vaginal delivery after induction of labor with oxytocin", *The Journal of Maternal-Fetal & Neonatal Medicine* 2016 November DOI: 10.1080/14767058.2016.1263296

A23.Gultekin S, Gultekin IB, Yilmaz Z, Icer B, Alkan A, Kucukozkan T. "Impact of body mass index, waist circumference and Pfannenstiel site tissue thickness and elastosonography on operative parameters". *Turkish Journal of Medical Sciences* (2017). (DOI: 10.3906/sag-1610-133)

A24.Akın M, Karabacak H, Esendagli G, Yavuz A, Gultekin S, Dikmen K, Bostancı H. "Coexistence of idiopathic granulomatous mastitis and erythema nodosum: successful treatment with corticosteroids. *Turkish Journal of Medical Sciences* (2017) 47. (DOI: 10.3906/sag-1611-100)

B. Abstracts-full texts presented in international scientific meetings and published in proceedings

B1.Ilgit E. T, Akpek S, Kilic K, Demirtas S, Yucel C, "Stent-Grafts In The Percutaneous Treatment Of Iatrogenic And

Traumatic Vascular Lesions", *CIRSE, Cardiovascular And Interventional Radiological Society Of Europe*, Gothenburg, 2001

B2.M. Arac, B. Önal, E. Özakpınar, S. Demirtas, D. Karaosmanoglu, S. Akınbingöl, "Contrast Enhancement Optimization In Helical CT Of The Chest With "Smart-Prep" Bolus Tracking System, *ECR, European Congress Of Radiology*, Vienna, 2002

- B3.**S. Kahraman, S. Cetiner, Ş. Yücetaş, **S. Demirtaş**, “An Unusual Nasally Obstructed Radicular Cyst Of The Maxilla: Case Report”, 10th International Congress Of Turk Oral And Maxillofacial Surgeons, Antalya, 2002
- B4.**M. Arac, **S. Gultekin**, H. Celik, A. D. Karaosmanoglu, M. Uzun, “The Assessment Of Lingual Vascular Canals By Dental CT”, ECR, European Congress Of Radiology, Vienna, 2003
- B5.**C. Yucel, **S. Gultekin**, H. Ozdemir, Z. Karadağ, M. Ucar, “The Role Of Late-Phase Pulse Inversion Harmonic Sonography In The Detection Of Occult Hepatic Metastases”, ESGAR, European Society Of Gastrointestinal And Abdominal Radiology, Budapest, 2003
- B6.**Celik H, Ozdemir H, Yucel C, **Gultekin S**, Oktar S, “Characterization Of Hyperechoic Focal Liver Lesions: Quantitative Evaluation With Pulse Inversion Harmonic Imaging In The Late Phase Of Levovist”, ESGAR, European Society Of Gastrointestinal And Abdominal Radiology, Budapest, 2003
- B7.**N. Ercan, **S. Gultekin**, H. Celik, E. T. Tali, A. Y. Oner, G. Erbas, “Diagnostic Value Of Contrast-Enhanced FLAIR Sequence In MR Imaging Of Intracranial Metastases”, European Society Of Neuroradiology Xxviii. Congress And 12th Advanced Course, Istanbul, 2003
- B8.**M. Arac, H. Celik, A. Y. Oner, **S. Gultekin**, T. Gumus, S. Kosar, “Distinguishing Pelvic Phleboliths From Distal Ureteral Calculi: Thin Slice CT Findings”, ECR, European Congress Of Radiology, Vienna, 2004
- B9.**N. Tokgoz, A. Y. Oner, **S. Gultekin**, H. Celik, G. Erbas, E. T. Tali, “Diagnostic Value Of Contrast-Enhanced Fluid Attenuated Inversion Recovery Sequence In Cranial Lesions”, American Society Of Neuroradiology 42th Annual Meeting, Seattle, 2004
- B10.**N. Tokgoz, **S. Gultekin**, H. Celik, E. T. Tali, A. Y. Oner, G. Erbas, “Diagnostic Value Of Contrast-Enhanced Fluid Attenuated Inversion Recovery Sequence In Intracranial Metastases”, American Society Of Neuroradiology 42th Annual Meeting, Seattle, 2004
- B11.**Biri A, Kurdoğlu M, Kurdoğlu Z, **Gultekin S**, Gursel T, “Spontaneous Intramyometrial Hematoma: Imaging Findings In A Case With Type 3 Von Willebrand Disease”, 6th Congress by Turkish-German Gynecology Society, Antalya, 2005
- B12.**E. T. Tali, H. Celik, M. Ucar, A. D. Karaosmanoglu, **S. Gultekin**, N. Tokgoz, “Comparison Of Spinal Diffusion-Weighted Imaging And Apparent Diffusion Coefficient Values To Differentiate The Spinal Infections, Tumors, And Degenerative Changes”, RSNA, Radiological Society Of North America, Chicago, 2005

B13.A. Ozdemir, S. Gültekin, V. Kahveci, F. Elbüken, I. Tuncbilek, "Evaluation Of Solid Breast Masses By Four Sonographic Technologies And Their Combinations: Conventional, Tissue Harmonic, Compound And Speckle Reduction Imaging", ECR, European Congress Of Radiology, Vienna, 2006

B14.A. Ozdemir, I. Tuncbilek, S. Öztürk, S. Gültekin, V. Kahveci, F. Elbüken, "Role Of Computed Tomography Laser Mammography (CTLM) In The Evaluation Of Breast Lesions", ECR, European Congress Of Radiology, Vienna, 2006

B15.S. Kahraman, S. Gültekin, S. Cetiner, S. Yücetaş, "Evaluation Of Bone Healing After Odontogenic Cyst Enucleation With And Without Guided Bone Regeneration With CT", Eurperio 5, European Congress Of Periodontology, Madrid, 2006

B16.A. Ozdemir, S. Gültekin, I. Tuncbilek, T. Ogur, R. Erman, C. Yuce, "Role of Elastography In The Evaluation of Breast Lesions", ECR, European Congress Of Radiology, Vienna, 2007

B17.Kokurcan A, Yılmaz E, Örs S, Akkan MK, Gültekin S, "A case of thrombosed vertebral artery aneurysm with brain", XXth Symposium Neuroradiologicum 2014, İstanbul, 2014

B18.Ecin G, Gültekin S, Tuncbilek I, Erbas G, "The role of strain elastography in the diagnosis of breast masses and comparison of different evaluation methods", RSNA 2017, 26 Kasım-4 Aralık 2017, Chicago, ABD

B19.Gültekin S, Erdoğan N, Erbaş G, Şendur H, Cindil E, "The role of magnetic

Resonance imaging in the assesment of mammographically detected isolated architectural distortions of the breast", ECR 2018, February 28-March 4 2018, Vienna, Austria

C. Books and book chapters written and/or translated in native/foreign language:

C1.E. Turgut Tali, Serap Gültekin, "Intracranial Infections", Magnetic Resonance Tomography, ed. M. F. Reiser, W. Semmler, H. Hricak, 348-378, Springer, 2007

C2.E. Turgut Tali, Serap Gültekin, "Encephalitis, Meningitis, Pyogenic Cerebritis and Abscess, Tuberculosis", Encyclopedia of Diagnostic Imaging, ed. Albert L. Baert, 672-674, 1118-1119, 1567-1568, 1882-1883, Springer, 2007

C3.E. Turgut Tali, Serap Gültekin, "Infections of the Spinal Column", Imaging of the Brain and Spine, ed Thomas Naidich, Elsevier, 2011

C4.E. Turgut Tali, Serap Gültekin, "Infections of the Spinal Cord", Imaging of the Brain and Spine, ed Thomas Naidich, Elsevier, 2011

C5.Serap Gültekin, E. Turgut Tali, "Radiological Evaluation of Spinal Fusion", Spinal Fusion, Editor: Prof. Dr. Selçuk Palaoğlu, Turkish Neurosurgical Society- Spinal Surgery Group Publications, 261-271, 2002 (Book Chapter)

C6.Hakan Özdemir, Serap Gültekin, "Gastrointestinal Tract", Diagnostic Ultrasonography (Fifth Edition), Sandra L. Hagen-Ansert, Volume One, 225-244, Translation Editor: Okan Akhan / Güneş Bookstore 2004 (Book Translation)

C7.Hakan Özdemir, Serap Gültekin, "Thyroid and Parathyroid Glands", Diagnostic Ultrasonography (Fifth Edition), Sandra L. Hagen-Ansert, Volume One, 395-407, Translation Editor: Okan Akhan / Güneş Bookstore 2004 (Book Translation)

C 8.Hakan Özdemir, **Serap Gültekin**, "Fetal Head and Neural Tube Defects", Diagnostic Ultrasonography (Fifth Edition), Sandra L. Hagen-Ansert, Volume One, 774-796, Translation Editor: Okan Akhan / Güneş Bookstore 2004 (Book Translation)

C 9.Serap Gültekin, "Breast Ultrasonography", Basic Radiology, Prof Ibrahim

Tanzer Sancak, Güneş Medical Bookstores, 2015, (Book Chapter)

G. EDUCATION and TRAINING ACTIVITIES:

G0.3. Master's Degree and Doctorate Dissertations Supervised

G.3.1. Completed Master's and Doctoral Theses G.3.1.1. November 2010: Gazi University, School of Medicine, Department of Radiology, Residency Dissertation Study

Title of dissertation study: "The Place of Stereotactic Vacuum Biopsy on the Prone Table in the Diagnosis of Breast Lumps"

Resident: Berna KAHYA, M.D.

Supervisor of Dissertation Study: Assoc. Prof. Serap GÜLTEKİN, M.D.

G. 3. 1.2.

September 2011: Gazi University, School of Medicine, Department of Radiology, Residency Dissertation Study

Title of dissertation study: "The Place of Sonoelastography in the Diagnosis of Breast Lumps"

Resident: Gaye ECİN, M.D.

Supervisor of Dissertation Study: Assoc. Prof. Serap GÜLTEKİN, M.D.

G. 3.1.3.

June 2013: Gazi University, School of Medicine, Department of Radiology, Residency Dissertation Study

Title of dissertation study: "Radiology Findings in Papillary Lesions of the Breast and the Role of Core Needle Biopsy in the Diagnosis"

Resident: Jale BAYRAM, M.D.

Supervisor of Dissertation Study: Assoc. Prof. Serap GÜLTEKİN, M.D.

G. 3.1.4

November 2013: Gazi University, School of Medicine, Department of Radiology, Residency Dissertation Study

Title of dissertation study: The Relationship Between BI-RADS Identifiers and Molecular Prognostic Factors in Ductal Carcinoma in Situ"

Resident: Aydan AVDAN ASLAN, M.D.

Supervisor of Dissertation Study: Assoc. Prof. Serap GÜLTEKİN, M.D.

H. PROJECTS

H. 1.Diagnostic efficacy of digital breast tomosynthesis in dense breasts,

Gazi University Rector Office BAP, 2015-2016, **Coordinator**, (The final report was accepted and the project was completed)

H.2.The relationship between BI-RADS identifiers and molecular prognostic factors in ductal carcinoma in situ, Gazi University Rector Office BAP, 2012-2013, **Coordinator**, (The final report was accepted and the project was completed)

J. CONGRESS/ CONFERENCE ACTIVITIES

J.1. Speeches

J.1.1.S Gültekin, "Mammography Screening Test", 1st International Breast Imaging Symposium, May 19-21, 2006, Ankara

J.1.1.S Gültekin, "Clinical Approach to Nipple Discharge", 1st International Breast Imaging Symposium, May 2-3, 2008, Ankara

J.1.1.S Gültekin, "Quality Control Tests in Mammography, Workshop", 1st International Breast Imaging Symposium, May 2-3, 2008, Ankara

J.1.4.S Gültekin "Breast Ultrasound: Diagnostic Importance, Lesion Characterization and Diagnostic Developments", Istanbul Breast Cancer Conference and National Breast Cancer Consensus Meeting, Breast Imaging Course, October 21-25, 2008, Istanbul

J.1.5.S Gültekin, "Diagnostic Interventional Procedures for Breast", TRD Ankara Branch, Breast Diseases Course, February 21, 2009, Ankara

J.1.6.S Gültekin, "Lymph Nodes Doppler Ultrasound", Medical Ultrasonography Association Doppler Course, May 2-3, 2009, Ankara

J.1.6.S Gültekin, "Breast Doppler US", Medical Ultrasonography Association Doppler Course, May 2-3, 2009, Ankara

J.1.8.S Gültekin, "Premalignant breast lesions- Radiological approach", 30th National Radiology Congress, November 4-9, 2009, Antalya

J.1.9.S Gültekin "How should the interventional methods be selected for the breast?", 2nd National Breast Imaging Symposium, April 30 – May 1, 2010, Ankara

J.1.10.S Gültekin "Breast imaging accompanied by case reports, Panel", 17th National Surgical Congress, May 26-29, 2010, Ankara

J.1.11.S Gültekin, "Breast Doppler US", Medical Ultrasonography Association Doppler Course, October 9-10, 2010, Istanbul

J.1.12.S Gültekin "Approach to Nipple Discharge", KETEM Breast Cancer Course, January 29, 2011, Ankara

J.1.13.S Gültekin, "Breast Doppler US", Medical Ultrasonography Association Doppler Course, December 10-11, 2011, Ankara

J.1.14.S Gültekin "Breast Ultrasound: How should we do? How should we report?" 32nd Turkish Radiology Congress, October 28-November 2, 2011, Antalya

J.1.15.S Gültekin, "DCIS and LCIS: Case-based Difficulties in Diagnosis", Ankara Breast Diseases Association Preinvasive Breast Diseases Course, April 14, 2012, Ankara

J.1.16.S Gültekin "New Technologies: US?", 3rd National Breast Imaging Symposium, 5-6 May 2012, Istanbul

J.1.17.S Gültekin " Digital MG: Advantages and Limitations?" 33. Turkish Surgery Congress, May 7-31, 2008, Antalya

J.1.18.S Gültekin, "Radiological Findings in granulomatous mastitis", Ankara Breast Diseases Association Training Meeting, January 24, 2013, Ankara

J.1.19.S Gültekin, "Radiology in Special Cases", Ankara Breast Diseases Association Course on Special Cases in Breast Cancer Breast Cancer, March 23, 2013, Ankara

J.1.20.S Gültekin " "USG with Cases", Antep Breast Symposium, May 31, 2013, Ankara

J.1.21. S Gültekin, "When is the Mammogram? To whom?", Gazi University Faculty of Medicine Department of Obstetrics and Gynecology Training Seminars, 13. September 2013, Ankara

J.1.22. S Gültekin " " Innovations in imaging: 12th National Breast Diseases Congress, Antalya, October 24-27, 2013

J.1.23. S Gültekin " Approach to Nipple Discharge" 34. National Radiology Congress, November 6-10, 2013, Antalya

J.1.24. S Gültekin " What's New in the US: Elastography", 4. National Breast Imaging Symposium, 2-4 May 2014, Ankara

J.1.25. S Gültekin "The Role of MRI in Breast Cancer Management", Symposium on Controversial Topics in Breast Cancer, February 7-10, 2014, Afyon

J.1.26. S Gültekin, "Why are Breast Cancer Screenings being discussed?", National Cancer Congress, April 3, 2014, Ankara

J.1.27.S Gültekin, "Lymph Nodes Doppler US", Medical Ultrasonography Association Doppler Course, May 10-11, 2014, Ankara

J.1.28. S Gültekin "Breast Imaging", Breast Repair Awareness Day, October 10, 2014, Ankara

J.1.29. S Gültekin, "Vacuum Biopsy applications in the breast", TRD Ankara Branch Gynecological Imaging and Breast Radiology Symposium, December 20, 2014, Ankara

J.1.30. S Gültekin, "Current Approach to Ductal Carcinoma in Situ", 3.Black Sea Breast Congress, March 25-29, 2015, Samsun

J.1.31. S Gültekin "Radiological Screening, Diagnosis and Follow-up in a High-Risk Group", Ankara Breast Diseases Association High Risk definition and Hereditary Breast Cancer Course, March 28, 2015, Ankara

J.1.32.S Gültekin, "Mammography Shooting Techniques Training", T. C. Ministry of Health of Turkey Halak Health Institution Cancer Department KETEM Training, 21-22 April 2015

J.1.33.S Gültekin " " Innovations in Breast Cancer Screening: Automatic Breast USG", 13.National Breast Diseases Congress, October 21-25, 2015, Antalya

J.1.34.S Gültekin, " Tomosynthesis", 36. National Radiology Congress, October 21-25, 2015, Ankara

J. 1.52.S Gültekin “ Which Imaging Method, Which biopsy should We Do ?”, 21st National Surgery Congress 2018, 11-15 April 2018, Antalya

J.1.53.S Gültekin “ Breast Cancer Screenings”, TTB, February 2018

J. 1.54.S Gültekin, “Background Parenchymal Enhancement in Breast MRI An Imaging Biomarker ?”, 99.German National Radiology Congress, 9-12 May, 2018, Leipzig, GERMANY

J.2. Courses:

J.2. 1.“European Course in Neuroradiology, Sixth Cycle-Third Course, Spine and Spinal Cord”, May 12-17, 2001, Antalya

J.2.2.“Hologic Digital Mammography System Operator Training”, Ankara, April 2006

J.2.3.“Hologic Digital Mammography System Operator Training”, Ankara, June 2006

J.2.4.“ GE Healthcare Contrast Enhanced Spectral Mammography & Digital Breast Tomosynthesis Workshop”, İstanbul

J.2.5.“ Breast Diseases Training Course”, Ankara Breast Diseases Association, 2011

J.2.6.“Breast Imaging Course”, New Approaches to Breast Cancer Training Meeting, January 19-20, 2013, İstanbul

J.2.7.“Breast Radiology Course”, 12th National Breast Diseases Congress, October 24-27, 2013, Antalya

J.2.8.“Breast Ultrasound Imaging Course”, Dr. Thomas A. May 31- June 1, 2014, İstanbul

J.2.9.“Definition of High Risk in Breast Cancer and Hereditary Breast Cancer Course”, March 28, 2015

J.2.10.“Breast Imaging Course”, 10 October 2016, Breastanbul 2016, İstanbul

J.2.11. “Early Stage Breast Cancer Course”, March 25, 2017, Ankara