



Alberto Tagliafico

Researcher

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Education and training

2009

Specializzazione in Radiodiagnostica

Imaging dell'acromegalia - 50/50 e lode
Università di Genova - GENOVA - IT

2005

LAUREA IN MEDICINA E CHIRURGIA

IMAGING DELLE ERNIE VESCICALI - 110/110 e lode + Academic Medal
Università di Genova - GENOVA - IT

Academic experience

2011 - ONGOING

Ricercatore Universitario

Università di Genova

Work experience

2013 - ONGOING

Assitant Medical Director

IRCCS Ospedale Policlinico SanMartino - Genova - IT
CLINICAL ACTIVITIES Diagnostic Imaging more than 3000 conventional x-rays of bone abdomen and chest CT MRI and more than Ultrasound. Nerve US and MRI. Breast MRI. Functional Imaging DTI and DWI and DCE-MRI
Interventional Radiology 150 US guided mini-invasive interventional procedures on joints tendons and nerves.

Language skills

English

Proficient

Research interests

Main activities and responsibilities
Clinical Activity and Clinical Research
Name and address of employer
Univerità degli Studi di Genova – www.unige.it

Type of business or sector

University Hospital – Academic activities

Skills & Activities

Magnetic Resonance, Neuroimaging, Diffusion Tensor Imaging, Imaging, Radiology, Ultrasound, Diffusion Magnetic Resonance Imaging, Medical and Biomedical Image Processing

Italian

English (C1) – Spanish (B1) – French (B1)

Scientific Society Membership

National Offices

Società Italiana di Radiologia Medica (SIRM)

European Society of Radiology (ESR)

European Society of Musculoskeletal Radiology (ESSR)

European Society of Breast Imaging (EUSOBI)

Councillor elected of the Regional Group Liguria of the Italian Society of Radiology (SIRM) since 2014

Councillor elected of the Italian Society of Radiology (SIRM) section of Breast Imaging for the years 2016-2018

International Editorial Board Associate Editor of BMC Musculoskeletal Disorders from 02/2010 to 08/2014

Associate Editor British Journal of Radiology since October 2012 to 2018

Associate Editor World Journal of Radiology since December 2013 to 2018

Academic Editor of Medicine since September 2014 to date

Editorial Board of The Breast from December 2016 to date

Editorial Board of Frontiers in Neurology from October 2017 to date

Editorial Board of Seminars in Musculoskeletal Radiology from Dec 2016 to date

Section Editor (Diagnostic Imaging) of BMC Musculoskeletal Disorders from 01/2014 to 08/2014

International Acknowledgments

Main International Collaborations

Chair of the Research Committee of the European Society of Musculoskeletal Radiology from June 2016

Member of Leadership Institute ESR (European Society of Radiology) - European Society of Radiology since 2015

Member of Educational Committee of the European Society for Skeletal Radiology since 2011

Member of Research Committee of the European Society for Skeletal Radiology since 2014

Member of Tumor sub-committee of the European Society for Skeletal Radiology since 2014

Member of the 'Musculoskeletal' scientific subcommittee for European Congress of Radiology in 2012

Member of Evidence Based Radiology Working Group since 2011
Scientific Reviewer for the year 2012 and 2013 for the Romanian National Council for Research and Development (Romanian funding programs for research)

Scientific Reviewer for the year 2012 for the Institut National du Cancer – INCa – République Française

Reviewer for Horizon 2020 (European Community)

Founder in 20/05/2014 of the ISPNI - International Society of Peripheral Neurophysiological Imaging

Prof Nehmat Houssami (University of Sydney)

Prof. Andrea Klausner (University of Innsbruck)

Prof. Gerd Bodner (University of Vienna)

Prof. Maribel Miguel Perez (University of Barcelona)

Prof. Jay Smith (Mayo Clinic)

Prof. Marnix Van Holsbeek (University of Michigan)

Faculty of Masterclasses Ultrasound at RSNA from 2012 to 2016

International School of Musculoskeletal Ultrasound

Course Organiser and Faculty with Carlo Martinoli

The Middle East Musculoskeletal Ultrasound Course & Hands-On Workshop

Course organisers and faculty with Peter Balint

Venue Dubai 2013

Scientific Reviewer

Ø *Ultrasound in Medicine and Biology (UMB)*

Ø *Journal of Ultrasound in Medicine (JUM)*

Ø *Transactions on Biomedical Engineering (TBME)*

Ø *Expert Opinion On Pharmacotherapy*

Ø *Clinical Anatomy*

Ø *European Journal of Neurology*

Ø *BMC Musculoskeletal Disorders*

Ø *Neuroradiology*

Ø *Muscle and Nerve*

Ø *European Radiology*

Ø *Breast Cancer Research and Treatment*

Ø *British Journal of Dermatology*

Ø *Endocrine*

Ø *Magnetic Resonance in Medicine*

Ø *Aesthetic Plastic Surgery*

Ø *The Breast*

Ø *Clinical Neuroradiology*

Ø *Plos One*

Ø *BMC Cancer*

Ø *Archives of Gerontology and Geriatrics*

Ø *Medicine*

Ø *La Radiologia Medica*

Ø *Journal of Magnetic Resonance Imaging*
Ø *Radiology*
Ø *BioMed Research International*

NATIONAL and INTERNATIONAL PRIZES

2006

Second ESSR PRIZE

TAGLIAFICO A, PIGNATARO N, CAPACCIO E., STAGNARO N., BIANCHI S., MARTINOLI C. Ultrasound of the palmar cutaneous branch of the median nerve. Atti: "Meeting of the European Society of Skeletal Radiology – ESSR 2006". Bruges, 9-10 giugno 2006. *Skeletal Radiol* 35:433, 2006

2007

ESSR-ISS PRIZE

TAGLIAFICO A, RESMINI E, NIZZO R, BIANCHI F, MARTINOLI C, FERONE D. A pilot study on nerve ultrasound in acromegaly. Atti: "Meeting of the European Society of Skeletal Radiology – ESSR 2007". Izmir 1-2 Giugno 2007. *Skeletal Radiol*

PRIZE "CUM LAUDE" per poster

CAPACCIO E, **TAGLIAFICO A (presenter)**, SILVESTRI E, PIGNATARO N, BIANCHI S, MARTINOLI C. Ultrasound of Plantar Plates: normal and pathological findings Atti: "Meeting of the European Society of Skeletal Radiology – ESSR 2007". Izmir 1-2 Giugno 2007. *Skeletal Radiol*

PRIZE "CUM LAUDE" per poster

MIGUEL-PEREZ M, CAPACCIO E, **TAGLIAFICO A (presenter)**, CALZADA J, BIANCHI S, MARTINOLI C. Anomalous Muscles: Imaging Findings With Anatomical Correlation. Atti: "Meeting of the European Society of Skeletal Radiology – ESSR 2007". Izmir 1-2 Giugno 2007. *Skeletal Radiol*

2008

Prize as best poster

Resmini E, Reborra A, **Tagliafico A**, Bacigalupo L, Giordano G, Minuto F, Rollandi G, Ferone D. Colonscopia Virtuale in pazienti acromegalici. Memorial Prof. Marco Minozzi 25 anni dopo. Napoli, 10/12

Prize as best poster

Resmini E, Reborra A, **Tagliafico A**, Bacigalupo L, Giordano G, Minuto F, Rollandi G, Ferone D. Colonscopia Virtuale in pazienti acromegalici. Memorial Prof. Marco Minozzi 25 anni dopo. Napoli, 10/12 Luglio 2008

2009

Cover of JCEM January 2009

From the article Resmini E*, Tagliafico A*, Bacigalupo L, Giordano G, Melani E, Reborra A, Minuto F, Rollandi GA, Ferone D. CT-colonography in acromegaly. *J Clin Endocrinol Metab*. 2009 Jan;94(1):218-22. Epub 2008 Oct 28.*contributed equally

Retriable at: <http://jcem.endojournals.org/content/vol94/>

Grants

2013 - 2017

Adjunct Screening With Tomosynthesis or Ultrasound in Women With Mammography-Negative Dense Breasts

AIRC - IT

Principal investigator

Purpose

Debate on adjunct screening in women with dense breasts has followed legislation requiring that women be informed about their mammographic density and related adjunct imaging. Ultrasound or tomosynthesis can detect breast cancer (BC) in mammography-negative dense breasts, but these modalities have not been directly compared in prospective trials. We conducted a trial of adjunct screening to compare, within the same participants, incremental BC detection by tomosynthesis and ultrasound in mammography-negative dense breasts.

Patients and Methods

Adjunct Screening With Tomosynthesis or Ultrasound in Women With Mammography-Negative Dense Breasts is a prospective multicenter study recruiting asymptomatic women with mammography-negative screens and dense breasts. Eligible women had tomosynthesis and physician-performed ultrasound with independent interpretation of adjunct imaging. Outcome measures included cancer detection rate (CDR), number of false-positive (FP) recalls, and incremental CDR for each modality; these were compared using McNemar's test for paired binary data in a preplanned interim analysis.

Results

Among 3,231 mammography-negative screening participants (median age, 51 years; interquartile range, 44 to 78 years) with dense breasts, 24 additional BCs were detected (23 invasive): 13 tomosynthesis-detected BCs (incremental CDR, 4.0 per 1,000 screens; 95% CI, 1.8 to 6.2) versus 23 ultrasound-detected BCs (incremental CDR, 7.1 per 1,000 screens; 95% CI, 4.2 to 10.0), $P = .006$. Incremental FP recall occurred in 107 participants (3.33%; 95% CI, 2.72% to 3.96%). FP recall (any testing) did not differ between tomosynthesis (FP = 53) and ultrasound (FP = 65), $P = .26$; FP recall (biopsy) also did not differ between tomosynthesis (FP = 22) and ultrasound (FP = 24), $P = .86$.

Conclusion

The Adjunct Screening With Tomosynthesis or Ultrasound in Women With Mammography-Negative Dense Breasts' interim analysis shows that ultrasound has better incremental BC detection than tomosynthesis in mammography-negative dense breasts at a similar FP-recall rate. However, future application of adjunct screening should consider that tomosynthesis detected more than 50% of the additional BCs in these women and could potentially be the primary screening modality.