

## **ANDREA ANGIOI, MD, FASN**

Medical Doctor, Specialist in Nephrology

Born in Cagliari, 4.7.1984

### **Main Institution:**

Division of Nephrology

Azienda Ospedaliera G. Brotzu

Piazzale Ricchi 1, 09100 CAGLIARI, Italy

Tel.: +39-070-539496 Fax: +39-070-539491

Email: [andrea.angioi@aob.it](mailto:andrea.angioi@aob.it);

LANGUAGES: Italian, English

### **CAREER**

- **Graduated in Medicine and Surgery, University of Cagliari, 110/110 cum laude, 2009.**
- **Fellowship in Nephrology,**  
University of Sassari  
30.6.2011- 30.6.2016
- **Research Trainee, Division of Nephrology and Hypertension, Mayo Clinic College of Medicine, Rochester, MN – 18.1.2015 – 14.3.2015**
- **Research Fellow, Division of Nephrology and Hypertension, Mayo Clinic College of Medicine, Rochester, MN – 15.3.2015 – 23.12.2015**
- **Research Collaborator, Division of Nephrology and Hypertension, Mayo Clinic College of Medicine, Rochester, MN – 14.3.2014 – Present**
- **Private practice 4.7.2016 - 22.1.2017**
- **Consultant, Division of Nephrology and Dialysis, Azienda Ospedaliera G. Brotzu, Cagliari, IT – 23.1.2017 – Present**
- **Member of 2019 Renal Pathology Society program committee**
- **ASN NephSAP Panel Reviewer**

### **AWARD and GRANTS**

- **Fellow of the American Society of Nephrology (FASN)**
- **Mayo Clinic College of Medicine - Bronze Mayo Quality Fellow**
  - Rochester, MN, 17.6.2015
- **ASN Travel grant**
  - Program for Medical Students and Residents at ASN Kidney Week 2012, San Diego, CA.

## **MAIN TRAINING COURSES**

- **International Summer School of Renal Pathology (ISSRP)**, May 23rd - June 4th, 2011, Bari, IT, first edition,
- **International Summer School of Renal Pathology (ISSRP)**, 10-21 June 2013, Bari, IT, third edition,
- **International Summer School of Renal Pathology (ISSRP)**, 3-15 July 2017, Bari, IT, fifth edition,
- **International Course on Native and Transplant Renal Biopsy Interpretation**, 2014, Ljubljana, SL
- **National Diploma in Clinical Ultrasound - Italian Society of Ultrasonography (SIUMB)** – January 2017

## **MEMBER OF:**

- American Society of Nephrology (ASN) since 2011
- Renal Pathology Society (RPS) since 2011
- Italian Society of Nephrology (SIN) since 2011
- Italian Society of Ultrasonography (SIUMB) since 2016
- International Kidney and Myeloma Research Group (IKMG)

## **MAJOR FIELDS OF CLINICAL ACTIVITY IN:**

- Clinical Nephrology
- Renal Transplantation
- Immune-mediated nephropathies
- Renal Pathology
- Polycystic kidney disease and renal dysplasias

- Ultrasounds in Nephrology

## EDITORIAL ACTIVITY

Editor

- **Editorial Board Member of “Renal Failure” Print ISSN: 0886-022X Online ISSN: 1525-6049**

Referee activity:

- Diabetes, Obesity and Metabolism
- Clinical Journal of American Society of Nephrology (cJASN)
- BMC Nephrology
- BMC Rheumatology
- Renal Failure
- Journal of Nephrology
- Frontiers in Immunology
- Journal of Onco-Nephrology
- Emergency Care and Medicine
- Clinical Kidney Journal
- Biology

## PUBLICATIONS

1. **Angioi A**, Fervenza FC, Sethi S, Zhang Y, Smith RJ, Murray D, Van Praet J, Pani A, De Vriese AS. Diagnosis of complement alternative pathway disorders. *Kidney Int.* 2016 Feb;89(2):278-88.
2. Cheungpasitporn W, Leung N, Rajkumar SV, Cornell LD, Sethi S, **Angioi A**, Fervenza FC. Bortezomib-induced acute interstitial nephritis. *Nephrol Dial Transplant.* 2015 Jul;30(7):1225-9
3. Zand L, Torres VE, Larson TS, King BF, Sethi S, Bergstralh EJ, **Angioi A**, Fervenza FC. Renal hemodynamic effects of the HMG-CoA reductase inhibitors in autosomal dominant polycystic kidney disease. *Nephrol Dial Transplant.* 2016 Aug;31(8):1290-5.

4. Kattah AG, Alexander MP, **Angioi A**, De Vriese AS, Sethi S, Cosio FG, Lorenz EC, Cornell LD, Fervenza FC. Temporal IgG Subtype Changes in Recurrent Idiopathic Membranous Nephropathy. *Am J Transplant*. 2016 Mar 28 [e-pub].
5. **Angioi A**, Pani A. FSGS: from pathogenesis to the histological lesion. *J Nephrol*. Aug;29(4):517-23.
6. **Angioi A**, Amer H, Fervenza FC, Sethi S. Recurrent Light Chain Proximal Tubulopathy in a Kidney Allograft. *Am J Kidney Dis*. 2016 Jun 17 [e-pub].
7. Sethi S, Zand L, De Vriese AS, Specks U, Vrana JA, Kanwar S, Kurtin PJ, Theis JD, **Angioi A**, Cornell L, Fervenza FC. Complement activation in pauci-immune necrotizing and crescentic glomerulonephritis: results of a proteomic analysis. *Nephrol. Dial. Transpl*. 2017 32(suppl\_1):i139-i145.
8. **Angioi A**, Lepori N, Lopez AC, Sethi S, Fervenza FC, Pani A. Treatment of Primary Membranous Nephropathy: where are we now? *J Nephrol*. 2017 Sep 5.
9. **Angioi A**, Cheungpasitporn W, Sethi S, De Vriese A, Lepori N, Schwab T, Fervenza FC. Familial anti-glomerular basement membrane disease in zero leukocyte antigen mismatch siblings. *Clin Nephrol*. 2017 Aug 30.
10. **Angioi A**, Cabiddu, G., Conti, M., Pili, G., Atzeni, A., Matta, V., Cao, R., Floris, M., Songini, M., Mulas, M. F., Rosner, M., ... Pani, A. (2018). Metformin associated lactic acidosis: a case series of 28 patients treated with sustained low-efficiency dialysis (SLED) and long-term follow-up. *BMC nephrology*, 19(1), 77.
11. Royal V, Leung N, Troyanov S, Nasr S, Écotière L, LeBlanc R, Adam BA, **Angioi A**, Alexander M, Asunis AM, Barreca A, Bianco P, Cohen C, Drosou ME, Fatima H, Fenoglio R, Gougeon F, Goujon JM, Herrera GA, Knebelmann B, Lepori N, Maletta F, Manso R, Motwani SS, Pani A, Rabant M, Rennke HG, Roccatello D, Rosenblum F, Sanders P, Santos A, Soto K, Sis B, Touchard G, Venner CP, Bridoux F. Clinicopathologic predictors of renal outcomes in light chain cast nephropathy: A multicenter retrospective study. *Blood*. 2020 Mar 11.
12. **Angioi, A**. Extensive proximal tubular necrosis without recovery following the ingestion of *Amanita phalloides*: a case report. *J Nephrol*. 2021
13. Floris M., Lepori N., **Angioi A**, Cabiddu G., Piras D., Loi V., Swaminathan S., Rosner M.H., Pani A. Chronic kidney disease of undetermined etiology around the world. *Kidney Blood Press Res* 2021

14. Coppo, R. et al. Validation of the Oxford classification of IgA nephropathy in cohorts with different presentations and treatments. *Kidney International* 2014
15. Barbour, S.J. et al. The MEST score provides earlier risk prediction in IgA nephropathy. *Kidney International* 2016
16. Barbour, S.J. et al. Improving treatment decisions using personalized risk assessment from the International IgA Nephropathy Prediction Tool. *Kidney International* 2020
17. Canney, M. et al. Quantifying duration of proteinuria remission and association with clinical outcome in IgA nephropathy. *JASN* 2021
18. Schena, F.P. et al. Development and testing of an artificial intelligence tool for predicting end-stage kidney disease in patients with immunoglobulin A nephropathy. *Kidney International* 2021
19. Bellur, S.S., et al. Reproducibility of the Oxford classification of immunoglobulin A nephropathy, impact of biopsy scoring on treatment allocation and clinical relevance of disagreements: Evidence from the VALidation of IGA study cohort. *NDT* 2019
20. Coppo, R. et al. Is there long-term value of pathology scoring in immunoglobulin A nephropathy? A validation study of the Oxford Classification for IgA Nephropathy (VALIGA) update. *NDT* 2020
21. Mascia, G. et al. Transplant Candidate with Cancer: Should We Proceed? *GIN* 2023
22. Floris, M. et al. An Integrated Multidisciplinary Approach to the Care of Renal Cancer Patients Undergoing Nephrectomy. *GIN* 2023
23. **Angioi, A.** et al. Classification and Management of MGRS Related Diseases. *GIN* 2023
24. Murgia, F. et al. The impact of the secondary infections in ICU patients affected by COVID-19 during three different phases of the SARS-CoV-2 pandemic. *Clinical and Experimental Medicine* 2023
25. **Angioi, A.** et al. Radiopacity of Sodium Zirconium Cyclosilicate in Computed Tomography: a case of a patient with Hyperkalemia and kidney disease. *Renal Failure* 2023
26. Barbour, S.J. et al. Application of the International IgA Nephropathy Prediction Tool one or two years post-biopsy. *Kidney International* 2022.
27. Angioi, A. et al. Extensive proximal tubular necrosis without recovery following the ingestion of *Amanita phalloides*: a case report. *Journal of Nephrology* 2021
28. Lepori, N. et al. Tossicità renale da farmaci antineoplastici. *GIN* 2021

## COLLABORATIONS

- Tesar V, Troyanov S, Bellur S, Verhave JC, Cook HT, Feehally J, Roberts IS, Cattran D, Coppo R; VALIGA study of the ERA-EDTA Immunonephrology Working Group. Corticosteroids in IgA Nephropathy: A Retrospective Analysis from the VALIGA Study. J Am Soc Nephrol. 2015 Sep;26(9):2248-58.
- Coppo R, Troyanov S, Bellur S, Cattran D, Cook HT, Feehally J, Roberts IS, Morando L, Camilla R, Tesar V, Lunberg S, Gesualdo L, Emma F, Rollino C, Amore A, Praga M, Feriozzi S, Segoloni G, Pani A, Cancarini G, Durluk M, Moggia E, Mazzucco G, Giannakakis C, Honsova E, Sundelin BB, Di Palma AM, Ferrario F, Gutierrez E, Asunis AM, Barratt J, Tardanico R, Perkowska-Ptasinska A; VALIGA study of the ERA-EDTA Immunonephrology Working Group. Validation of the Oxford classification of IgA nephropathy in cohorts with different presentations and treatments. Kidney Int. 2014 Oct;86(4):828-36.
- Barbour SJ, Espino-Hernandez G, Reich HN, Coppo R, Roberts IS, Feehally J, Herzenberg AM, Cattran DC; VALIGA; OXFORD DERIVATION AND NORTH AMERICAN VALIDATION. The MEST score provides earlier risk prediction in IgA nephropathy. Kidney Int. 2015 Oct 28.

## LECTURES AND COMMUNICATIONS (FREE)

- **SIN 2011 – Olbia IT:**
  - o STUDIO COMPARATIVO TRA MICROSCOPIA OTTICA ED ELETTRONICA NELLA BIOPSIA RENALE: ANALISI RETROSPETTIVA SU 123 CASI; Angioi A., Asunis A.M., Onetti Muda A., Faraggiana T., Giannakakis K., Cao R., Onano B., Pani A. Dipartimento di Patologia Renale e Dipartimento di Anatomia Patologica, Ospedale Brotzu, Cagliari; Dipartimento di Medicina Sperimentale, Università La Sapienza, Roma
  - o ACIDOSI LATTICA ASSOCIATA ALLA METFORMINA: L'esperienza di 10 anni; Demurtas A., Angioi A., Dessì E. Murgia E., Conti M., Cao R., Melis P., Pili G., Pani A.; Divisione di Nefrologia Dialisi e Trapianto, Azienda Ospedaliera G.Brotzu, Cagliari

## INVITED SPEAKS

- International Renal Meeting and Mayo Clinic Day in Sardinia 2011 – “Cutaneous leukocytoclastic vasculitis and membranoproliferative glomerulonephritis with IgM Monoclonal Gammopathy” – Cagliari, 2.5.2011;
- L'inquadramento del malato cardio-renale – “Ipokaliemia” – Cagliari 4.12.2014
- International Renal Meeting and Mayo Clinic Day in Sardinia 2015 – “Immunotactoid Glomerulonephritis” – Cagliari, 30.4.2015;
- UP-TO-DATE sulle nefropatie glomerulari, Torino 2016 “GSF: correlazione tra patogenesi e forme istologiche”;
- UP-TO-DATE sulle nefropatie glomerulari, Torino 2016 “GSF: correlazione anatomo-clinica”;
- 19° Convegno Patologia Immune e Malattie Orfane 2016, Torino 2016 “An unexpected renal failure in a kidney transplant recipient”;
- Corso di formazione “Qui c'è rete sostegno alla disabilità” in Sardegna, "Il trattamento degli angiomiolipomi", Berchidda 11.6.2016
- 57° Congresso Nazionale della Società Italiana di Nefrologia (SIN) "Ridefinizione del ruolo del complemento nel trapianto e nelle malattie renali". Milano 14.10.2016.
- La gestione del paziente HCV positivo con patologie renali croniche. Cagliari, 21.11.2016.
- The Fourth International Renal Meeting with Mayo Clinic in Sardinia. “Case Reports from Young Nephrologists”. Cagliari (Italy), April 30-May 3, 2017
- 58° Congresso Nazionale della Società Italiana di Nefrologia (SIN) "Monoclonal Gammopathies of Renal Significance". Rimini 4-7.10.2017.
- IIª Giornata Sarda sulla Calcolosi Urinaria 2017 – “Eziopatogenesi – Ruolo e aspetto nefrologico nella calcolosi”. Cagliari, 21.10.2017.
- Attualità e prospettive per le terapie sostitutive renali in area critica- Non solo sepsi: AKI e GN. Cagliari, 6.12.2018
- 

## TUTORING ACTIVITIES

- Young Renal Week 2017 – Tivoli, 7-13.5.2017

## POSTERS

- **SIN 2011 - Genova – 52nd ed.**

- STUDIO COMPARATIVO TRA MICROSCOPIA OTTICA ED ELETTRONICA NELLA BIOPSIA RENALE: ANALISI RETROSPETTIVA SU 123 CASI; Angioi A., Asunis A.M., Onetti Muda A., Faraggiana T., Giannakakis K., Cao R., Onano B., Pani A. Dipartimento di Patologia Renale e Dipartimento di Anatomia Patologica, Ospedale Brotzu, Cagliari; Dipartimento di Medicina Sperimentale, Università La Sapienza, Roma
- ACIDOSI LATTICA ASSOCIATA ALLA METFORMINA: L'esperienza di 10 anni; Demurtas A., Angioi A., Dessì E. Murgia E., Conti M., Cao R., Melis P., Pili G., Pani A.; Divisione di Nefrologia Dialisi e Trapianto, Azienda Ospedaliera G.Brotzu, Cagliari

- **SIN 2012 – Milano – 53rd ed.**

- 91 PO - IL RUOLO DELLA BIOPSIA RENALE NEL PAZIENTE DIABETICO: PREVALENZA DI NEFROPATIE NON DIABETICHE NEI PAZIENTI AFFETTI DA DIABETE MELLITO TIPO II, ESPERIENZA DI UN SINGOLO CENTRO.

A. Pani<sup>1</sup>, A. Angioi<sup>1</sup>, A.M. Asunis<sup>2</sup>, G. Pili<sup>3</sup>, M. Conti<sup>1</sup>, R. Cao<sup>1</sup>, A. Atzeni<sup>1</sup>, P. Melis<sup>1</sup>, E. Murgia<sup>3</sup>

(1)Divisione Di Nefrologia E Dialisi, Azienda Ospedaliera G.brotzu Cagliari , (2)Servizio Di Anatomia Patologica, Nefropatologia, Azienda Ospedaliera G.brotzu Cagliari , (3)Divisione Di Dialisi Acuti, Azienda Ospedaliera G.brotzu Cagliari

- **49th ERA-EDTA Congress, Paris 2012**

- [2012][SAP169] METFORMIN-ASSOCIATED LACTIC ACIDOSIS (MALA): A SINGLE CENTRE EXPERIENCE ON 14 PATIENTS

Andrea Angioi,<sup>1</sup> Maura Conti,<sup>2</sup> Riccardo Cao,<sup>2</sup> Alice Atzeni,<sup>2</sup> Gianfranco Pili,<sup>2</sup> Valeria Matta,<sup>2</sup> Efisio Murgia,<sup>2</sup> Patrizia Melis,<sup>2</sup> Valentina Binda,<sup>2</sup> Antonello Pani,<sup>3</sup>

1 Azienda Ospedaliera G.Brotzu, Cagliari It 2 Division of Nephrology and Dialysis, Azienda Ospedaliera G.Brotzu, Cagliari It 3 Nephrology ,Brotzu Hospital



<http://www.m-events.com/customer/2012/era-edta/data/12887.pdf>

- o [2012][SAP293] LONG TERM (MORE THAN 20 YEARS) CLINICAL OUTCOME OF 114 IMN PATIENTS: A SINGLE CENTRE EXPERIENCE

Valeria Matta,1 Patrizia Melis,1 Maura Conti,1 Riccardo Cao,1 Valentina Binda,1 Paolo Altieri,1 Anna Maria Asunis,2 Walter Catani,2 Matteo Floris,1 Andrea Angioi,1 Mauro Congia,3 Francesco Cucca,4 Luigi Minerba,3 Marcella Peri,3 Antonello Pani,5

(1) Nephrology, Brotzu Hospital, Cagliari (2) Pathology, Brotzu Hospital, Cagliari (3) University of Cagliari (4) University of Sassari (5) Nephrology ,Brotzu Hospital

<http://www.m-events.com/customer/2012/era-edta/data/12598.pdf>

- o [2012][FP214] CARDIORENAL SYNDROME TYPE 4 (CRS 4) ASSOCIATED WITH ANAEMIA LONG TERM SURVIVAL ANALYSIS

Matteo Floris,1 Maura Conti,1 Riccardo Cao,1 Gianfranco Pili,1 Patrizia Melis,1 Valeria Matta,1 Efisio Murgia,1 Alice Atzeni,1 Valentina Binda,1 Andrea Angioi,1 Marcella Peri,2 Antonello Pani,3

1 Nephrology, Brotzu Hospital, Cagliari 2 Pediatrics, University of Cagliari 3 Nephrology ,Brotzu Hospital

<http://www.m-events.com/customer/2012/era-edta/data/12627.pdf>

- o [2012][SAP322] CLINICAL PRESENTATION AND OUTCOME OF PATIENTS AFFECTED BY SYSTEMIC AMYLOIDOSIS WITH PREDOMINANT RENAL INVOLVEMENT: A 10 YEAR, SINGLE CENTRE EXPERIENCE Riccardo Cao,1 Maura Conti,1 Alice Atzeni,1 Antioco Fois,1 Doloretta Piras,1 Stefania Maxia,1 Andrea Angioi,1 Valentina Binda,1 Patrizia Melis,1 Giovanna Sau,1 Gianfranco Pili,1 Matteo Floris,1 Anna Maria Asunis,2 Maurizio Porcu,3 Daniele Derudas,4 Emanuele Angelucci,4 Antonio Ledda,5 Giorgio La Nasa,5 Antonello Pani,6

1 Nephrology, Brotzu Hospital, Cagliari 2 Pathology, Brotzu Hospital, Cagliari 3 Cardiology, Brotzu Hospital, Cagliari 4 Haematology, Businco Hospital, Cagliari 5 Haematology, Binaghi Hospital, Cagliari 6 Nephrology, Brotzu Hospital

<http://www.m-events.com/customer/2012/era-edta/data/12474.pdf>

- **Kidney Week 2011, Philadelphia, PA**

FR-PO1916 IgA Nephropathy: A Long Term Follow-Up of 132 Cases

Doloretta Piras, Patrizia Melis, Maura Conti, Riccardo Cao, Andrea Angioi, Antonello Pani, MD.

Nefrologia e Dialisi, Azienda Ospedaliera Brotzu, Cagliari, Italy.

- **Kidney Week 2012, San Diego, CA**

- SA-PO372 - Clinical and Histological Prognostic Factors in Idiopathic Membranous Nephropathy: Long Term Evaluation; Antonello Pani, Patrizia Melis, Maura Conti, Riccardo Cao, Matteo Floris, Andrea Angioi, Valeria Matta. Nephrology, G Brotzu Hosp, CA, Italy

- **50th ERA-EDTA Congress, Istanbul 2013**

- MP070 - A novel GLA mutation in a Sardinian patient with Fabry Disease: long term prognosis; Maura Conti, Andrea Angioi, Matteo Floris, Patrizia Melis, Anna Maria Asunis, Doloretta Piras, Antonello Pani.
- SP303 - Diagnosis and prevalence of Non Diabetic Renal Diseases in patients with Diabetes: a twenty years experience; Andrea Angioi,<sup>1</sup> Anna Maria Asunis,<sup>2</sup> Riccardo Cao,<sup>1</sup> Alice Atzeni,<sup>1</sup> Maura Conti,<sup>1</sup> Matteo Floris,<sup>1</sup> Patrizia Melis,<sup>1</sup> Gianfranco Pili,<sup>1</sup> Doloretta Piras,<sup>1</sup> Gianbenedetto Piredda,<sup>1</sup> Antonello Pani.<sup>1</sup>

- **Kidney Week 2014, Philadelphia, PA**

- FR-PO612 - An Unusual Case and Treatment of Immunotactoid Glomerulonephritis and Cutaneous Leukocytoclastic Vasculitis with IgMK Monoclonal Gammopathy: A Case Report; Andrea Angioi,<sup>1</sup> Giovanni Palladini,<sup>2</sup> Anna Maria Asunis,<sup>1</sup> Giorgio La Nasa,<sup>3</sup> Antonio Ledda,<sup>3</sup> Riccardo Cao,<sup>1</sup> Antonello Pani.<sup>1</sup>

- **Kidney Week 2015, San Diego, CA**

- SA-PO050 - AL Amyloidosis with Rapidly Progressive Renal Failure and Massive Liver Involvement: A Case Report Matteo Floris, Maura Conti, Riccardo Cao, Anna Maria Asunis, Elisabetta Tamponi, Alice Atzeni, Patrizia Melis, Gianfranco Pili, Valeria Matta, Nicola Lepori, Doloretta Piras, Andrea Angioi, Antonello Pani.

## **OTHER PUBLICATIONS (not peer reviewed)**

- Associated editor of: "Nefrologia in Tasca". Edited by Pani A., Wichtig ed. Pubbl.: 2012; ISBN: 8873210333;
- "Nefrologia in Tasca". Edited by Pani A., Wichtig ed. Pubbl.: 2012; ISBN: 8873210333;
  - Author of the chapters:
    - "Rene e paraproteinemie", A. Angioi, A. Pani. Chap. 8, pag. 104-112;
    - "Ipertensione arteriosa", M. Floris, A. Angioi, A. Pani. Chap. 10, pag. 120-134;
    - "Biopsia Renale", A. Angioi, A. Pani. Chap. 17, pag. 171-173.
- "Connective Tissue Disease: A Comprehensive Guide, Volume 1". Edited by D. Roccatoello, L. Emmi, Springer ed. Pubbl.: 2016; ISBN 978-3-319-24535-5
  - Author of the chapter:
    - "Lupus nephritis". A. Pani, A. Angioi and F. Ferrario. Chap. 8, Pag. 95-112.
- "Manuale di terapia delle nefropatie glomerulari". Edited by S. Pasquali, D. Roccatoello, A. Pani for the Renal Immunopathology Group of the Italian Society of Nephrology. Wichtig Ed.; ISBN 9788873210351.
  - Author of the chapter:
    - "Terapia della Nefropatia a depositi di IgA". A. Pani, D. Roccatoello, D. Piras, A. Angioi, C. Pozzi. Chap. 3, Pag. 38-58.

## **REFERENCES**

- **Antonello Pani, MD**

- Divisione di Nefrologia e Dialisi, Azienda Ospedaliera G.Brotzu,
- Piazzale A. Ricchi, 09134, Cagliari IT
- email: antonellopani@aob.it

- **Fernando C. Fervenza, MD, Ph.D**

- Division of Nephrology and Hypertension, Mayo Clinic,
- 200 First St. SW Rochester, MN 55905, USA
- email: fervenza.fernando@mayo.edu

**Dr. ANDREA ANGIOI**

A handwritten signature in black ink, appearing to read 'Andrea Angioi', is written over a horizontal line. The signature is stylized and cursive.

**Cagliari, 21.4.2024**