

Curriculum Vitae

Personal information **Olivier Clement**

Work experience

- Employer: APHP Université Paris Descartes
 - Start date: 101997
 - End date:
 - Position: Professeur des Universités Praticien Hospitalier
 - Activities: Professor, department of Radiology, Hospital Pitié-Salpêtrière APHP Paris Team Leader, Laboratoire de Recherche en Imagerie Inserm U 970 Paris Medical Director of the University Medical Department "Imagina", (Imaging, Pathology) et University Paris Center, Assistance Publique Hôpitaux de Paris
 - Country: France
- Employer: APHP
 - Start date: 072019
 - End date:
 - Position: Directeur Médical de DMU Imagina
 - Activities: Head of medical imaging departments of Hospital Group APHP_Center (Hotel_Dieu, Cochin, Necker, HEGP)
 - Country: France

Education and training

- Subject: Université Paris Descartes
 - Start date:
 - End date:
 - Qualification: MD
 - Organisation: Radiology, Medical Imaging
 - Country: France
- Subject: University Paris 11
 - Start date:
 - End date:
 - Qualification: PhD
 - Organisation: Medical Imaging
 - Country: France

Additional information

Publications

- van der Molen AJ, Reimer P, Dekkers IA, Bongartz G, Bellin MF, Bertolotto M, Clement O, Heinz_Peer G, Stacul F, Webb JAW, Thomsen HS: Post-contrast acute kidney injury _ Part 1: Definition, clinical features, incidence, role of contrast medium and risk factors : Recommendations for updated ESUR Contrast Medium Safety Committee guidelines. Eur Radiol 2018, 28(7):2845_2855.
- van der Molen AJ, Reimer P, Dekkers IA, Bongartz G, Bellin MF, Bertolotto M, Clement O, Heinz_Peer G, Stacul F, Webb JAW, Thomsen HS: Post-contrast acute kidney injury. Part 2: risk stratification, role of hydration and other prophylactic measures, patients taking metformin and chronic dialysis patients : Recommendations for updated ESUR Contrast Medium Safety Committee guidelines. Eur Radiol 2018, 28(7):2856_2869.
- Teston E, Maldiney T, Marangon I, Volatron J, Lalatonne Y, Motte L, Boisson_Vidal C, Autret G, Clement O, Scherman D, Gazeau F, Richard C: Nanohybrids with Magnetic and Persistent Luminescence Properties for Cell Labeling, Tracking, In Vivo Real-Time Imaging, and Magnetic Vectorization. Small 2018, 14(16):e1800020.
- Stacul F, Bertolotto M, Thomsen HS, Pozzato G, Ugolini D, Bellin MF, Bongartz G, Clement O, Heinz_Peer G, van der Molen A, Reimer P, Webb JAW, Committee ECMS: Iodine-based contrast media, multiple myeloma and monoclonal gammopathies: literature review and ESUR Contrast Media Safety Committee guidelines. Eur Radiol 2018, 28(2):683_691.
- Lemery Magnin M, Fitoussi V, Siauve N, Pidial L, Balvay D, Autret G, Cuenod CA, Clement O, Salomon LJ: Assessment of Placental Perfusion in the Preeclampsia L_NAME Rat Model with High_Field Dynamic Contrast_Enhanced MRI. Fetal Diagn Ther 2018;1_8.
- Harris L, Zalucki O, Clement O, Fraser J, Matuzelski E, Oishi S, Harvey TJ, Burne THJ, Heng JJ, Gronostajski RM, Piper M: Neurogenic differentiation by hippocampal neural stem and progenitor cells is biased by NF1X expression. Development 2018, 145(3).
- Siauve N, Hayot PH, Deloison B, Chalouhi GE, Alison M, Balvay D, Bussières L, Clement O, Salomon LJ: Assessment of human placental perfusion by intravoxel incoherent motion MR imaging. J Matern Fetal Neonatal Med 2017;1_8.
- Radbruch A, Roberts DR, Clement O, Rovira A, Quattrocchi CC: Chelated or dechelated gadolinium deposition. Lancet Neurol 2017, 16(12):955.
- Perrod G, Pidial L, Camilleri S, Bellucci A, Casanova A, Viel T, Tavittian B, Cellier C, Clement O, Rahmi G: ADSC_sheet Transplantation to Prevent Stricture after Extended Esophageal Endoscopic Submucosal Dissection. Journal of visualized experiments : JoVE 2017(120).
- Del Giudice C, Ifergan G, Goudot G, Bellamy V, Messas E, Clement O, Bruneval P, Menasche P, Sapoval M: Evaluation of a new model of hind limb ischemia in rabbit. J Vasc Surg 2017.
- Blondiaux E, Pidial L, Autret G, Rahmi G, Balvay D, Audureau E, Wilhelm C, Guerlin CL, Bruneval P, Silvestre JS, Menasche P, Clement O: Bone marrow_derived mesenchymal stem cell_loaded fibrin patches act as a reservoir of paracrine factors in chronic myocardial infarction. J Tissue Eng Regen Med 2017, 11(12):3417_3427.
- Rahmi G, Pidial L, Silva AK, Blondiaux E, Meresse B, Gazeau F, Autret G, Balvay D, Cuenod CA, Perretta S, Tavittian B, Wilhelm C, Cellier C, Clement O: Designing 3D Mesenchymal Stem Cell Sheets Merging Magnetic and Fluorescent Features: When Cell Sheet Technology Meets Image_Guided Cell Therapy. Theranostics 2016, 6(5):739_751.
- Rahmi G, Perretta S, Pidial L, Vanbiervliet G, Halvax P, Legner A, Lindner V, Barthet M, Dallemagne B, Cellier C, Clement O: A Newly Designed Enterocutaneous Esophageal Fistula Model in the Pig. Surg Innov 2016, 23(3):221_228.
- Perrod G, Rahmi G, Pidial L, Camilleri S, Bellucci A, Casanova A, Viel T, Tavittian B, Cellier C, Clement O: Cell Sheet Transplantation for Esophageal Stricture Prevention after Endoscopic Submucosal Dissection in a Porcine Model. PloS one 2016, 11(3):e0148249.
- Teston E, Lalatonne Y, Elgrabli D, Autret G, Motte L, Gazeau F, Scherman D, Clement O, Richard C, Maldiney T: Design, Properties, and In Vivo Behavior of

Super_paramagnetic Persistent Luminescence Nanohybrids. *Small* 2015, 11(22):2696_2704. 16. Siauve N, Chalouhi GE, Deloison B, Alison M, Clement O, Ville Y, Salomon LJ: Functional imaging of the human placenta with magnetic resonance. *American journal of obstetrics and gynecology* 2015, 213(4 Suppl):S103_114. 17. Rahmi G, Brieau B, Samaha E, Clement O, Cellier C: Jejunojejunal intussusception after polypectomy by spiral enteroscopy in Peutz_Jeghers syndrome. *Endoscopy* 2015, 47 Suppl 1:E540_541. 18. Quibel T, Deloison B, Chamming's F, Chalouhi GE, Siauve N, Alison M, Bessieres B, Gennisson JL, Clement O, Salomon LJ: Placental elastography in a murine intrauterine growth restriction model. *Prenatal diagnosis* 2015. 19. Lapeyre_Prost A, Clement O, Lotfalizadeh E, Boussaud V, Diehl JL: Hepatic vein thrombosis associated with segmental hypo_attenuation in the liver: an unusual complication of a haemodialysis catheter. *Internal and emergency medicine* 2015, 10(4):531_532. 20. 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Silva AK, Kolosnjaj_Tabi J, Bonneau S, Marangon I, Boggetto N, Aubertin K, Clement O, Bureau MF, Luciani N, Gazeau F, Wilhelm C: Magnetic and photoresponsive theranosomes: translating cell_released vesicles into smart nanovectors for cancer therapy. *ACS nano* 2013, 7(6):4954_4966. 33. Sandoval F, Terme M, Nizard M, Badoual C, Bureau MF, Freyburger L, Clement O, Marcheteau E, Gey A, Fraisse G, Bouguin C, Merillon N, Dransart E, Tran T, Quintin_Colonna F, Autret G, Thiebaud M, Suleman M, Riffault S, Wu TC, Launay O, Danel C, Taieb J, Richardson J, Zitvogel L, Fridman WH, Johannes L, Tartour E: Mucosal Imprinting of Vaccine_Induced CD8+ T Cells Is Crucial to Inhibit the Growth of Mucosal Tumors. *Science translational medicine* 2013, 5(172):172ra120. 34. 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Faye N, Clement O, Balvay D, Fitoussi V, Pidial L, Sandoval F, Autret G, Silvestre JS, Dean CL, Alison M, Fournier LS: Multiparametric optical and MR imaging demonstrate inhibition of tumor angiogenesis natural history by mural cell therapy. *Magn Reson Med* 2013. 39. Clement O: Science to Practice: dual contrast_enhanced MR imaging to monitor for rejection of pancreatic islet transplantation? *Radiology* 2013, 266(3):693_694. 40. Chamming's F, Latorre_Ossa H, Le Frere_Belda MA, Fitoussi V, Quibel T, Assayag F, Marangoni E, Autret G, Balvay D, Pidial L, Gennisson JL, Tanter M, Cuenod CA, Clement O, Fournier LS: Shear wave elastography of tumour growth in a human breast cancer model with pathological correlation. *Eur Radiol* 2013, 23(8):2079_2086. 41. 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Magnetic Targeting of Pure Antiestrogen Loaded Superparamagnetic Nanovesicles for Effective Therapy of Hormone Dependent Breast Cancers. *J Bioanal Biomed* 2011, 52(doi:10.4172/1948_593X.S2_001). 57. Muhler MR, Clement O, Salomon LJ, Balvay D, Autret G, Vayssettes C, Cuenod CA, Siauve N: Maternofetal pharmacokinetics of a gadolinium chelate contrast agent in mice. *Radiology* 2011, 258(2):455_460. 58. Faye N, Fournier L, Balvay D, Taillieu F, Cuenod C, Siauve N, Clement O: Dynamic contrast enhanced optical imaging of capillary leakage. *Technol Cancer Res Treat* 2011, 10(1):49_57. 59. 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Chalouhi GE, Deloison B, Siauve N, Aimot S, Balvay D, Cuenod CA, Ville Y, Clement O, Salomon LJ: Dynamic contrast enhanced magnetic resonance imaging: definitive imaging of placental function? *Semin Fetal Neonatal Med* 2010, 16(1):22_28. 68. Luciani A, Wilhelm C, Bruneval P, Cunin P, Autret G, Rahmouni A, Clement O, Gazeau F: Magnetic targeting of iron oxide labeled fluorescent hepatoma cells to the liver. *Eur Radiol* 2009, 19(5):1087_1096. 69. Lind SM, Kuylenstierna C, Moll M, E DJ, Winqvist O, Lundeborg L, Karlsson MA, M TL, Johansson C, Scheynius A, Sandberg JK, Karlsson MC: IL_18 skews the invariant NKT cell population via autoreactive activation in atopic eczema. *European journal of immunology* 2009, 39(8):2293_2301. 70. Janus N, Launay_Vacher V, Karie S, Clement O, Ledneva E, Frances C, Choukroun G, Deray G: Prevalence of nephrogenic systemic fibrosis in renal insufficiency patients: Results of the FINEST study. *Eur J Radiol* 2009. 71. 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