

## Ferilskrá:

**Póra S. Steffensen, MD**

Sérfræðingur í vefjameinafræði, réttarmeinafræði og barnameinafræði.

### **Núverandi staða:**

Sérfræðingur í barnameinafræði, og stjórnandi krufningasviðs, Ruffolo, Hooper & Associates, Department of Pathology, Tampa General Hospital, Tampa, FL, 33606, USA.

Hlutastarf sem sérfræðingur í barnameinafræði við rannsóknastofu í meinafræði, Landspítala, Hringbraut.

Affiliate Assistant Professor, University of South Florida, Morsani College of Medicine, Department of Pathology and Cell biology, Tampa, FL. Frá 11/2014.

### **Háskólagráða:**

Cand. med. et chir. frá Læknadeild Háskóla Íslands, júní 1988.

### **Starfsþjálfun:**

Júlí 1988 – ágúst 1991. Deildarlæknastöður (Reykjavík, Akranes, Ísafjörður, Svíþjóð) við lyflækningar, skurðlækningar, kvensjúkdóma og fæðingarhjálp, og heimilislækningar.

### **Sérfræðiþjálfun í vefjameinafræði:**

1991 - 1993; Rannsóknastofa Háskólans við Barónsstíg, Landspítali Hringbraut.

1993 - 1994; Universitetssjukhuset i Linköping, Linköping, Svíþjóð.

1994 - 1997; Tufts/New England Medical Center, Boston, MA, USA.

### **Sérfræðiþjálfun í réttarmeinafræði:**

1997 - 1998; Office of the Chief Medical Examiner of the Commonwealth of Massachusetts, Boston, MA, USA.

### **Sérfræðiþjálfun í barnameinafræði:**

2007 - 2009; University of South Florida and Tampa General Hospital, Tampa, Florida 33606, USA.

### **Sérfræðileyfi:**

Viðurkenndur sérfræðingur í vefjameinafræði og réttarmeinafræði í Bandaríkjunum og Íslandi, og í barnameinafræði í Bandaríkjunum.

### **Fyrri sérfræðistöður:**

1998-2000 Sérfræðingur við Boston Medical Center, Mallory Institute of Pathology, Office of the Chief Medical Examiner, Boston, og Melrose-Wakefield Hospital, Melrose, MA, USA.

2000-2007 Réttarmeinafræðingur, og störf við vefjameinafræði (fóstur- og barnakrufningar, fylgjuskoðanir), Rannsóknastofa í meinafræði við Barónsstíg, Landspítali Hringbraut.

### **Fyrirlestrar á landsþingum:**

Árlegt þing félags íslenskra rannsóknarlögreglumanna, 4.-5. október, 2002. Fyrirlestur:

Shaken Baby Syndrome.

NML conference of Biomedical Scientists, University of Iceland, Reykjavik, Iceland, 8-11 júní, 2005. Fyrirlestur: Post-mortem Vitreous Chemistry.

Árlegt þing íslenskra barnalækna, 13. maí 13, 2006. Iðusalir við Lækjargötu, Reykjavik. Fyrirlestur: Vöggudauði (sudden infant death syndrome).

Sixth Annual Symposium on Advances in Perinatal Cardiology, 15-18 október, 2008. Renaissance Vinoy Resort & Golf Club, St. Petersburg, Florida. Fyrirlestur: The Pathology in Twin-Twin Transfusion Syndrome.

Seventh Annual Symposium on Advances in Perinatal Cardiology, 21-24 október, 2009. Renaissance Vinoy Resort & Golf Club, St. Petersburg, Florida. Fyrirlestur: Placental Pathology. Fyrirlestur: Truncus arteriosus and interrupted aortic arch – Pathology and Genetics. Verklek kennsla: Heart and Placental specimen.

Ninth Annual Symposium on Advances in Perinatal Cardiology, October 4-7, 2012, Renaissance Vinoy Resort & Golf Club, St. Petersburg, Florida. Preconference Course: Pathology of Congenital Heart Disease; Segmental Diagnosis during Cardiac Autopsy.

Fortieth Nordic Conference of Obstetrics and Gynecology, June 12-15<sup>th</sup>, 2016, Finlandia Hall, Helsinki, Finland. Fyrirlestur: Intra-uterine fetal demise and the placenta.

**Fagleg kennsla:**

Háskóli Íslands, Læknadeild, kennsla 6. árs læknanema í réttarlæknisfræði (36 kennslustundir/ári), árlega frá 2008-2015.

University of South Florida College of Medicine. Kennsla læknanema á 2. ári, meinafræði. Efni: Litningagallar, aðrir meðfæddir gallar, efnaskiptasjúkdómar, fylgjur. Árlega, 2007-2015.

Tækniskóli Íslands. Námskeið í almennri meinafræði fyrir meinataekninema, 1992-1993 og 2000-2004.

Háskóli Íslands, námsbraut í sjúkraþjálfun. Námskeið í almennri meinafræði og kynning á sýklafræði fyrir sjúkraþjálfunarnema. 1992-1993.

Lögregluskóli ríkisins. Kennsla í réttarmeinafræði fyrir almenna lögreglunema og kennsla í réttarmeinafræði og vettvangsrannsókn, fyrir tilvonandi rannsóknarlögreglumenn, 2000-2007.

University of Rwanda College of Medicine and Health Sciences, Kigali, Rwanda. Visiting lecturer in MMed Anatomical Pathology Program. Fyrirlestrar og verkleg þjálfun í meinafræði krufninga og réttarmeinafræði. Mars 20-31, 2017.

University of Rwanda College of Medicine and Health Sciences, Kigali, Rwanda. Visiting lecturer in MMed Anatomical Pathology Program. Fyrirlestrar og verkleg þjálfun í meinafræði krufninga og réttarmeinafræði. Janúar 8-19, 2018.

**Birtar greinar í faglegum tímaritum:**

- 1) Refaai MA, Nguyen PN, Steffensen TS, Evans RJ, Cluette-Brown J, Laposata M: Liver and adipose tissue fatty acid ethyl esters obtained at autopsy are postmortem markers for premortem ethanol intake. *Clin Chem.* 2002 Jan;48(1):77-83.
- 2) Wallby L, Janerot-Sjoberg B, Steffensen T, Broqvist M: T lymphocyte infiltration in non-rheumatic aortic stenosis: a comparative descriptive study between tricuspid and bicuspid valves. *Heart.* 2002 Oct;88(4):348-51.
- 3) Elliott AM, Wilcox WR, Spear GS, Field FM, Steffensen TS, Friedman BD, Rimoin DL, Lachman RS: Osteocraniostenosis-hypomineralized skull with gracile long bones and splenic hypoplasia. Four new cases with distinctive chondro-osseous morphology. *Am J Med Genet Part A* 140A:1553-1563 (2006).
- 4) Wallby L, Steffensen T, Broqvist M. Role of inflammation in nonrheumatic, regurgitant heart valve disease. A comparative, descriptive study regarding apolipoproteins and inflammatory cells in nonrheumatic heart valve disease. *Cardiovascular Pathology* 16 (2007) 171-178.
- 5) Steffensen TS, Spellacy W, Quintero RA, Gilbert-Barness E. Placental pathology in TRAP sequence: clinical and pathogenetic implications. *Fetal & Pediatric Pathology* 27(1):13-30, 2008.
- 6) Thomas LB, Steffensen TS, Walling AK, Gilbert-Barness E. Simple (unicameral) bone cyst of the calcaneus: a pathologic variant revisited. *Fetal & Pediatric Pathology* 27(3):141-147,2008.
- 7) Sclauder SM, Steffensen TS, Pledger WJ, Morgan M, Letson DG, Ma L, Bui MM. Assessment of muscarinic and nicotinic acetylcholine receptor expression in primitive neuroectodermal tumor (PNET)/Ewing family of tumor (EFT) and desmoplastic round cell tumor (DSRCT): an immunohistochemical and western blot study of tissue microarray and cell lines. *Fetal & Pediatric Pathology* 27(2):83-97, 2008.
- 8) Steffensen TS, DeStefano KA, Kontopoulos EV, Gilbert-Barness E. Midgut volvulus causing fetal demise in utero. *Fetal & Pediatric Pathology* 27 (4&5);223-231, 2008.
- 9) Heffernan A, Steffensen TS, Gilbert-Barness E, Perlman S. Bartter syndrome presenting as poor weight gain and abdominal mass in an infant. *Fetal & Pediatric Pathology* 27(4&5):232-243,2008.
- 10) Jorgensen EV, Steffensen TS, Nora F, Witt LC, Gilbert-Barness E. Clinical pathologic correlation: Primary amenorrhoea and bilateral adnexal tumors. *Fetal & Pediatric Pathology* 27(6):245-258, 2008.
- 11) Steffensen TS, Wagoner MJ, Gilbert-Barness E, Bui MM, Browarsky IL. Human chorionic gonadotrophin (HCG) producing epithelioid sarcoma metastatic to the placenta. *Fetal & Pediatric Pathology* 27(6):282-291, 2008.
- 12) Steffensen TS, Lacson A, Margo CE, Gilbert-Barness E. Cerebellar migration defects in Aicardi syndrome: an extension of the neuropathological spectrum. *Fetal & Pediatric*

Pathology 28(1):24-38, 2009.

- 13) Steffensen TS, Opitz JM, Gilbert-Barness E. Short case report: congenital perineal hernia in a fetus with trisomy 18. *Fetal & Pediatric Pathology* 28(2):95-99, 2009.
- 14) Steffensen TS, Quintero RA, Kontopulos EV, Gilbert-Barness E. Massive Pericardial Effusion Treated With In Utero Pericardioamniotic Shunt in a Fetus With Intrapericardial Teratoma. *Fetal & Pediatric Pathology* 28(5):216-231, 2009.
- 15) Schlauder SM, Knapp C jr., Bui MM, Steffensen TS. Aromatase may play a critical role in the pathogenesis of Juvenile Angiofibromas. *Fetal & Pediatric Pathology* 28(5):232-238, 2009.
- 16) Steffensen TS, Gilbert-Barness E. Cardiac conduction disorders in children. *Frontiers in Bioscience* 1(1):519-27, 2009.
- 17) Mathew R, Steffensen TS, Gilbert-Barness E. Discordant omphalocele-extrophy-imperforate anus-spinal defects (OEIS) complex and cardiac malformations in monozygotic twins. *Fetal & Pediatric Pathology* 28(6): 279-286, 2009.
- 18) Steffensen TS, Gilbert Barness E, Sandstrom MM, Sutcliffe MJ. An extreme variant of enlarged pericentric heterochromatin on chromosome 9 in a normal child and multiple family members. *Fetal & Pediatric Pathology* 28(6): 247-252, 2009.
- 19) Steffensen TS, Paidas CN, Nora FE, Gilbert-Barness E. Clinicopathologic conference: Thirteen year old child with a malignant chest tumor. *Fetal & Pediatric Pathology* 28(6): 262-273, 2009.
- 20) Turner LM, Steffensen TS, Leroy J, Gilbert-Barness E. Spondyloepiphyseal dysplasia congenita. *Fetal & Pediatric Pathology* 29 (1):57-62, 2010.
- 21) Quintero R, Kontopoulos EV, Barness E, Steffensen TS, Hilbelink D, Chmait R, Benirschke K, Bornick PW. Twin-twin transfusion syndrome in a dichorionic-monozygotic twin pregnancy: The end of a paradigm? *Fetal & Pediatric Pathology* 29(2):2010.
- 22) Tebbi CK, Steffensen TS, Thorkelsson T, Gudmundsson JA, Gilbert-Barness E. Clinicopathologic conference: Multiple fetal demises, Lactic Acidosis and Hepatic Iron Accumulation. *Fetal & Pediatric Pathology* 30:77-87, 2011.
- 23) Eisbrenner K, Steffensen TS, Whiteman VE, Gilbert-Barness E. De novo translocation t(5;9)(q11.2;p22) associated with hydrops fetalis and cystic fibroma. *Fetal & Pediatric Pathology* 31(2):39-43, 2012. Epub 2012 Jan 4.
- 24) Sosa CS, Bermudez C, Chmait RH, Kontopoulos E, Cordoba Y, Guevara-Zuloaga F, Steffensen T, Quintero R. Intraluminal tracheal occlusion using a modified 8-mm Z-stent in a sheep model of left-sided congenital diaphragmatic hernia. *J Matern Fetal Neonatal Med* 2012 May 28 [Epub ahead of print].
- 25) Mathur A, Steffensen TS, Paidas CN, Ogera P, Kayton ML. The perforated appendiceal carcinoid in children: a surgical dilemma. *J Pediatr Surg* 47(6):1155-8, 2012.

- 26) Grajo JR, Kayton ML, Steffensen TS, Dragicevic N, Guidi CB. Presentation of Ileal Burkitt lymphoma in children. *Journal of Radiology Case Reports* 6(8):27-38, 2012.
- 27) Wallby L, Steffensen T, Jonasson L, Broqvist M. Inflammatory characteristics of stenotic aortic valves – a comparison between rheumatic and non-rheumatic aortic stenosis. *Cardiology Research and Practice* 2013; 2013: 895215. doi: 10.1155/2013/895215. Epub 2013 Feb 14.
- 28) Freeman MD, Grajo JR, Karamsadkar ND, Steffensen TS, Hazelton TR: Reversed halo sign on CT as a presentation of lymphocytic interstitial pneumonia. *Radiology Case* 2013 (10):51-56.
- 29) Cain MA, Guidi CB, Steffensen T, Whiteman VE, Gilbert-Barness E, Johnson DR. Postmortem ultrasonography of the macerated fetus complements autopsy following in utero fetal demise. *Diagn Pathol*, 2014 Mar 11 (Epub).
- 30) Steffensen TS, Spicer DE. Coronary artery anomalies for the pathologist. *Fetal Pediatr Pathol* 2014 (33): 268-288.
- 31) Tretter JT, Steffensen T, Westover T, Anderson RH, Spicer DE. Developmental considerations with regard to so-called absence of the leaflets of the arterial valves. *Cardiol Young* 2016 Apr 29:1-10.
- 32) Brown JA, Sinkey RG, Steffensen TS, Louis-Jacques AF, Louis JM. Neonatal Abstinence syndrome among infants born to mothers with sickle cell hemoglobinopathies. *Am J Perinatol* 2019 Nov 22. doi: 10.1055/s-0039-1700865. [Epub ahead of print]
- 33) Spicer DE, Steffensen TS. A rare presentation of common arterial trunk with intact ventricular septum. *Journal of Cardiovascular Development and Disease*. 2020, 7, 43:doi:10.3390/jcdd7040043
- 34) Hooper et.al. A postmortem portrait of the Coronavirus disease 2019 (COVID-19) pandemic: A large multiinstitutional autopsy survey study. *Arch Pathol Lab med* 2021 Jan 15. Doi: 10.5858/arpa.2020-0786-SA.
- 35) Muller R, Steffensen T, Krstic N, Cain MA. Report of a novel variant in the FAM111A gene in a fetus with multiple anomalies including gracile bones, hypoplastic spleen, and hypomineralized skull. *Am J Medical Genetics Part A* 185(6), 1903-1907 2021. Doi: 10.1002/ajmg.a.62181
- 36) Arnadottir GA, Oddsson A, Jensson BO et. Al. Population-level deficit of homozygosity unveils CPSF3 as an intellectual disability syndrome gene. *Nature communications* (2022) 13: 705 doi:10.1038/s41467-022-28330-8
- 37) Guo X, Semerci N, De Assis V, Kayisli UA, Schatz F, Steffensen TS, Guzeloglu-Kayisli O, Lockwood CJ. Regulation of proinflammatory molecules and tissue factor by SARS-CoV-2 spike protein in human placental cells: Implications for SARS-CoV-2 pathogenesis in pregnant women. *Front Immunol*. 2022;13:876555. doi; 10.3389/fimmu.2022.876555.

**Bækur/bókarkafnar:**

Contributing author, *Clinical Use of Pediatric Diagnostic Tests*, 2<sup>nd</sup> ed. by Enid Gilbert-Barness and Lewis Barness. IOS Press, Amsterdam, 2010.

Gilbert-Barness E, Spicer D, Steffensen TS: *Handbook of Pediatric Autopsy Pathology*, 2<sup>nd</sup> ed., Springer, New York, 2014.

Gilbert-Barness E, Steffensen TS, Johnson DR: Chapter 34. “Pediatric Metabolic disease” in *Forensic Pathology of Infancy and Childhood*, Collins KA and Byard RW (eds), New York NY: Springer, 2014.

**Fyrirlestrar og veggspjöld á faglegum þingum:**

Frá 1992-2022: samtals 16 (varðandi fóstur/nýbura, fylgjur, réttarmeinafræði, og vefjameinafræði).