



COURSE DESCRIPTION

ACADEMIC CENTER ROBERTO ALCANTARA GOMES BIOLOGY INSTITUTE		DEPARTMENT DEPARTMENT OF ANATOMY														
COURSE NAME RESEARCH METHODS IN SURGICAL ANATOMY		<input type="checkbox"/> CORE COURSE <input checked="" type="checkbox"/> OPTIONAL COURSE	HOURS 45	CREDITS 3												
PROGRAM / PROJECT NAME PHYSIOPATHOLOGY AND SURGICAL SCIENCES <u>Key Focus Area:</u> Urogenital System Operative Technique and Experimental Surgery		DISTRIBUTION OF HOURS <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 50%;">TYPE OF CLASS</th> <th style="width: 20%;">HOURS</th> <th style="width: 30%;">NO. OF CREDITS</th> </tr> </thead> <tbody> <tr> <td>THEORETICAL</td> <td style="text-align: center;">30</td> <td style="text-align: center;">2</td> </tr> <tr> <td>PRACTICAL</td> <td style="text-align: center;">15</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">TOTAL</td> <td style="text-align: center;">45</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>			TYPE OF CLASS	HOURS	NO. OF CREDITS	THEORETICAL	30	2	PRACTICAL	15	1	TOTAL	45	3
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THEORETICAL	30	2														
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PREREQUISITES		<input checked="" type="checkbox"/> Master's program course <input checked="" type="checkbox"/> Doctorate's program course														

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At the end of the course, students should be able to know and apply the main anatomical research methods and techniques. Methods and techniques of anatomical macroscopic dissection. Methods and techniques of anatomical microscopic dissection. Injection-corrosion methods and techniques in fetuses, corpses and animals. Study of fetal growth in humans. Splanchnic morphometric analysis in human fetuses. Macro and microscopic study of fetal organs. Application of injection-corrosion techniques in the study of comparative anatomy in swine and canines. Protocols and Ethics for specific studies in anatomy.

BASIC BIBLIOGRAPHY

1. Favorito LA, Sampaio FJB, Javaroni V, Cardoso LEM, Costa WS: Proximal insertions of gubernaculum testis in normal human fetuses and in boys with cryptorchidism. *J Urol*, 164: 792-794, 2000.
2. Hern, W.N.: Correlation of fetal age and measurements between 10 and 26 weeks of gestation. *Obst. Gynec.*, 63: 26, 1984.
3. Mercer, B.M., Skalar, S., Shariatmadar, A., Gillieson, M.S., D'Alton, M.E.: Fetal foot length as a predictor of gestational age. *Amer. J. Obst. Gynec.*, 156: 350, 1987.
4. Platt, L.D., Medearis, A.L., DeVore, G.R., Horenstein, J.M., Carlson, D.E., Brar, H.S.: Fetal foot length: relationship to menstrual age and fetal measurements in the second trimester. *Obst. Gynec.*, 71: 526, 1988.
5. Sampaio, F.J.B., Mandarim de Lacerda, C.A.: 3-Dimensional and radiological pelvic anatomy for endourology. *J Urol*, 140: 1352, 1988.
6. Sampaio, F.J.B., Aragão, A.H.M.: Anatomical relationship between the intrarenal arteries and the kidney collecting system. *J Urol*, 143: 679, 1990.
7. Sampaio, F.J.B., Aragão, A.H.M.: Anatomical relationship between the renal venous arrangement and the kidney collecting system. *J Urol*, 143: 1089, 1990.
8. Sampaio, F.J.B., Passos, M.A.R.F.P.: Renal arteries: anatomic study for surgical and radiological practice. *Surg Radiol Anat*, 14: 113, 1992.
9. Sampaio, F.J.B.; Favorito, L.A.: Ureteropelvic junction stenosis: Vascular anatomical background for endopyelotomy. *J Urol*, 150: 1787, 1993.
10. Streeter, G.L.: Weight, sitting height, head size, foot length and menstrual age of the human embryo. *Contr. Embryol. Carnegie. Inst.*, 11: 143, 1920.

PROGRAM / PROJECT COORDINATOR

DATE	SIGNATURE			
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