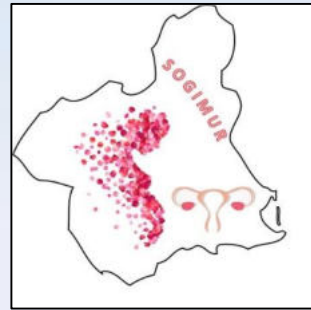


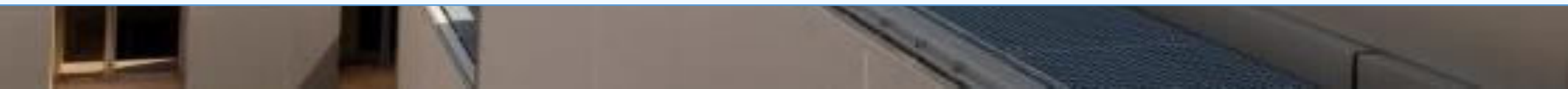
XXXIII REUNION

**SOCIEDAD DE OBSTETRICIA Y
GINECOLOGIA DE LA REGION DE
MURCIA**

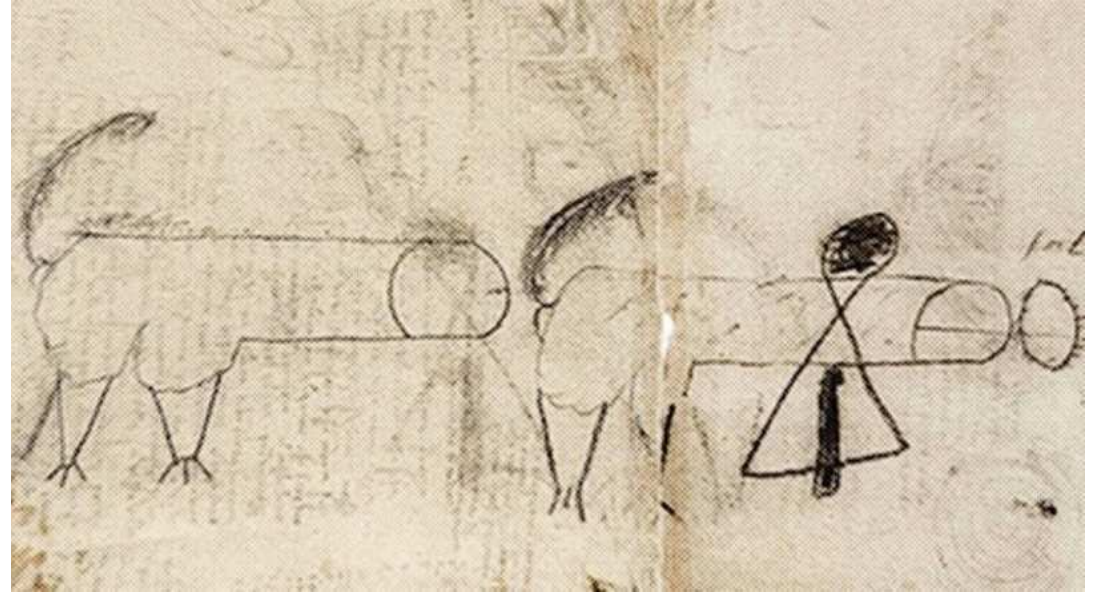


ANOMALÍAS DEL DESARROLLO SEXUAL (ADS)

DIAGNÓSTICO PRE Y POSTNATAL









Fetal Gender Ultrasound CASES!!

Fetus A

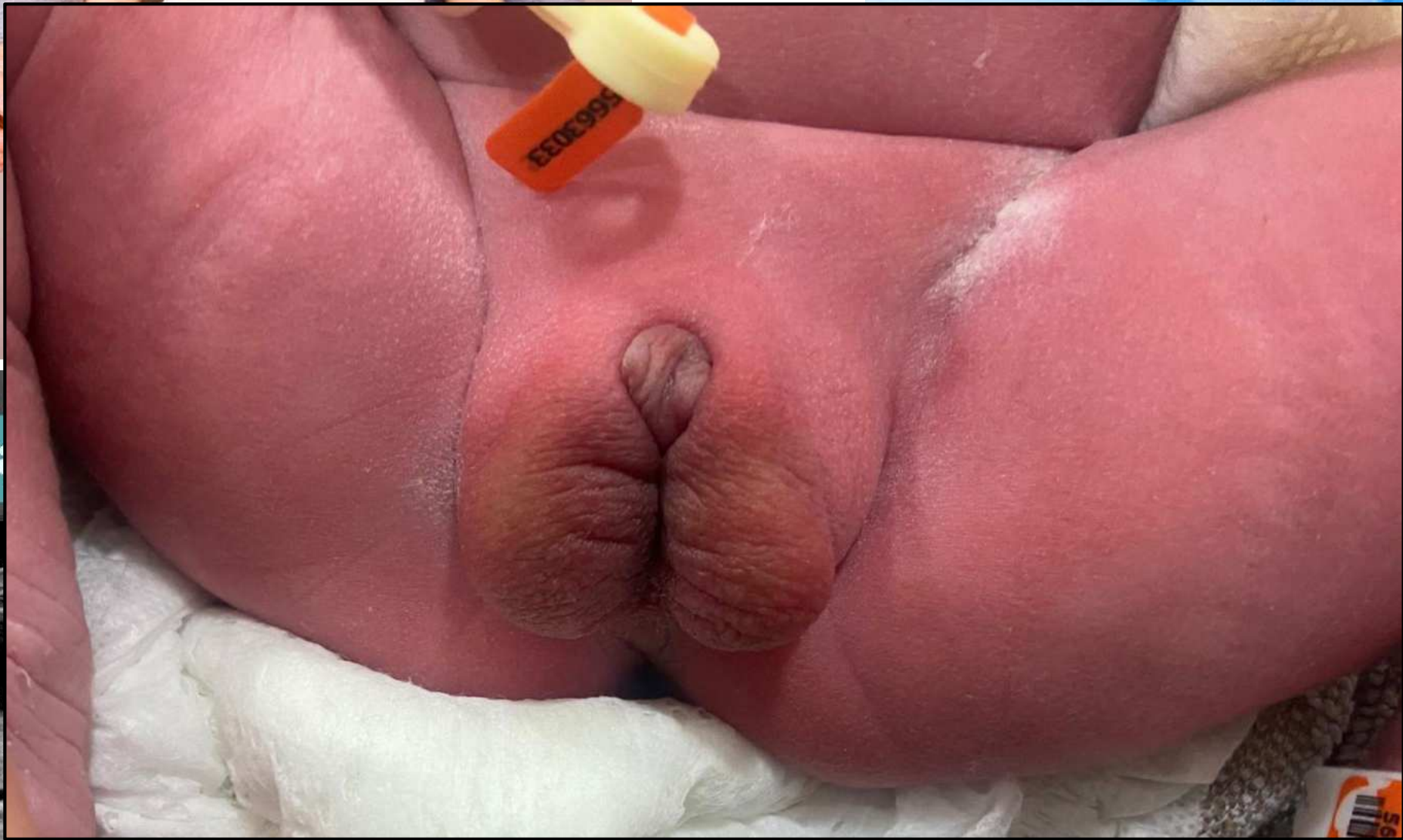
BOY

♂ ♀

Fetus B

GIRL

12cm



Anomalías genitales

“Alteraciones en la estructura o el desarrollo normal de los órganos sexuales”

LARSEN 2020



Genitales ambiguos

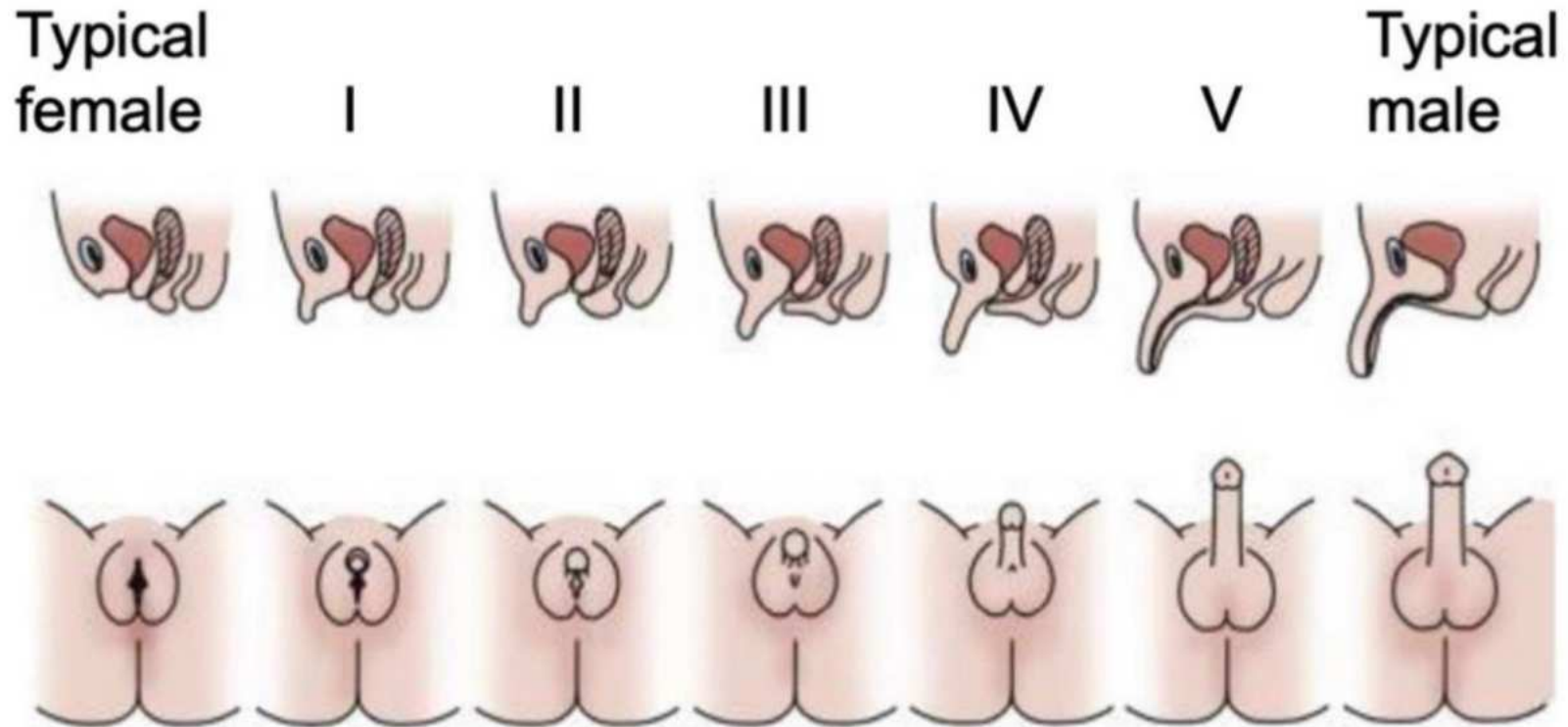
“Cualquier recién nacido cuya **aparición genital** haga que el médico de la sala de partos **cuestione la asignación de sexo**”

GONZALEZ 2006

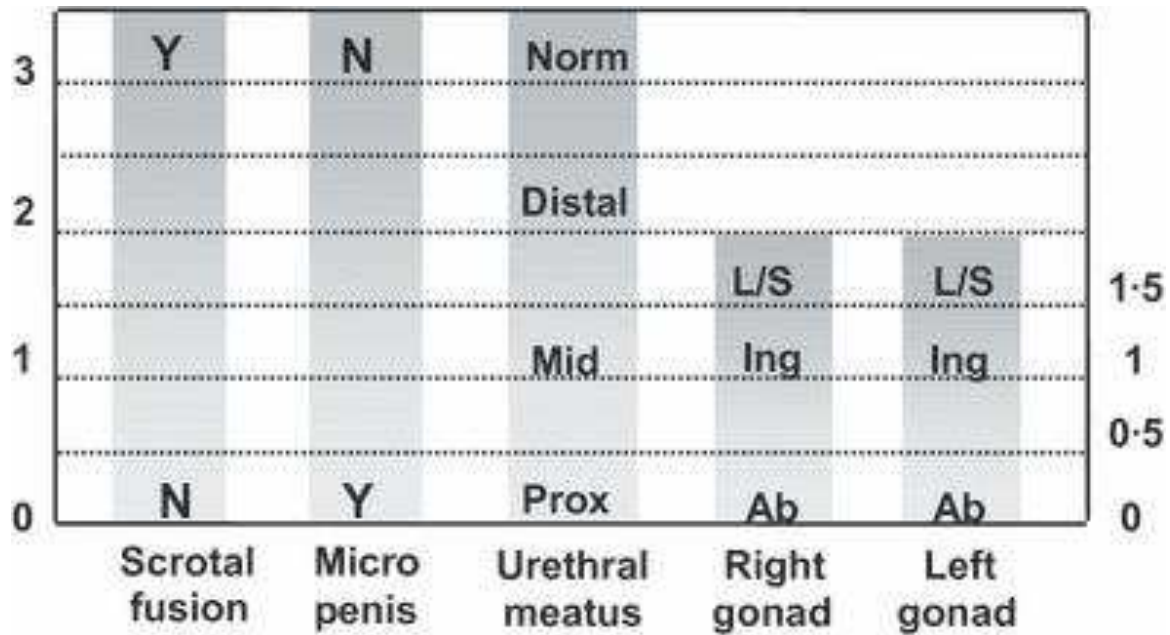


Genitales típicos/atípicos

The Prader scale



Genitales típicos/atípicos



External Masculinization Score (EMS)

EGS	Labioscrotal Fusion	Genital Tubercle(GT) Length (mm)	Urethral Meatus	Right Gonad	Left Gonad
3	Fused	>31	Top of the GT		
2.5		26-30	Coronal Glandular		
2			Along the GT		
1.5	Posterior Fusion	21-25	At the GT base	Labioscrotal	Labioscrotal
1		10-20	Labioscrotal	Inguino-Labioscrotal	Inguino-Labioscrotal
0.5				Inguinal	Inguinal
0	Unfused	<10	Perineum	Impalpable	Impalpable

External Genitalia Score (EGS)

Disorder of Sex Development (DSD)

Anomalías del Desarrollo Sexual (ADS)

“Condición congénita en la cual el desarrollo del sexo cromosómico, gonadal o anatómico es atípico”

HUGHES 2005



Disorder

Anomalías cromosómicas

“Condición congénita cromosómica,

Sex chromosome DSD	46,XY DSD	46,XX DSD
A: 47,XXY (Klinefelter syndrome and variants)	A: Disorders of gonadal (testicular) development	A: Disorders of gonadal (ovarian) development
B: 45,X (Turner syndrome and variants)	1. Complete or partial gonadal dysgenesis (e.g. SRY, SOX9, SFI, WT1, DHH etc)	1. Gonadal dysgenesis
C: 45,X/46,XY (mixed gonadal dysgenesis)	2. Ovotesticular DSD	2. Ovotesticular DSD
D: 46,XX/46,XY (chimerism)	3. Testis regression	3. Testicular DSD (e.g. SRY+, dup SOX9, RSP01)
	B: Disorders in androgen synthesis or action	B: Androgen excess
	1. Disorders of androgen synthesis	1. Fetal
	a. LH receptor mutations	a. 3 β -hydroxysteroid dehydrogenase 2 (HSD3B2)
	b. Smith-Lemli-Opitz syndrome	b. 21-hydroxylase (CYP21A2)
	c. Steroidogenic acute regulatory protein mutations	c. P450 oxidoreductase (POR)
	d. Cholesterol side-chain cleavage (CYP11A1)	d. 11 β -hydroxylase (CYP11B1)
	e. 3 β -hydroxysteroid dehydrogenase 2 (HSD3B2)	e. Glucocorticoid receptor mutations
	f. 17 β -hydroxysteroid dehydrogenase (HSD17B3)	2. Fetoplacental
	g. 5 α -reductase 2 (SRD5A2)	a. Aromatase deficiency (CYP19)
	2. Disorders of androgen action	b. Oxidoreductase deficiency (POR)
	a. Androgen insensitivity syndrome	3. Maternal
	b. Drugs and environmental modulators	a. Maternal virilizing tumours (e.g. luteomas)
		b. androgenic drugs
	C: Other	C: Other
	1. Syndromic associations of male genital development (e.g. cloacal anomalies, Robinow, Aarskog, Hand-Foot-Genital, popliteal pterygium)	1. Syndromic associations (e.g. cloacal anomalies)
	2. Persistent Müllerian duct syndrome	2. Müllerian agenesis/hypoplasia (e.g. MURCS)
	3. Vanishing testis syndrome	3. Uterine abnormalities (e.g. MODY5)
	4. Isolated hypospadias (CXorf6)	4. Vaginal atresia (e.g. KcKusick-Kaufman)
	5. Congenital hypogonadotropic hypogonadism	5. Labial adhesions
	6. Cryptorchidism (INSL3, GREAT)	
	7. Environmental influences	

(DSD)



Difference of Sex Development (DSD)

Disorder of Sex Development (DSD)

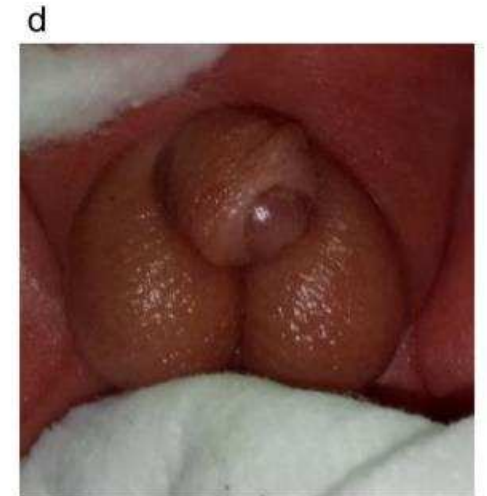
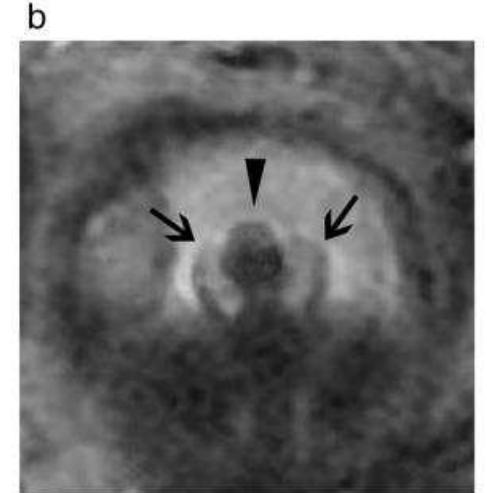
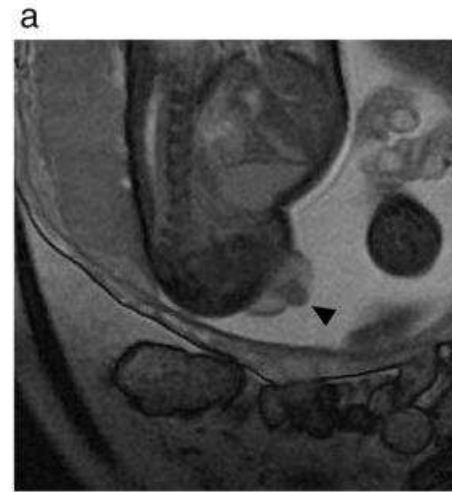
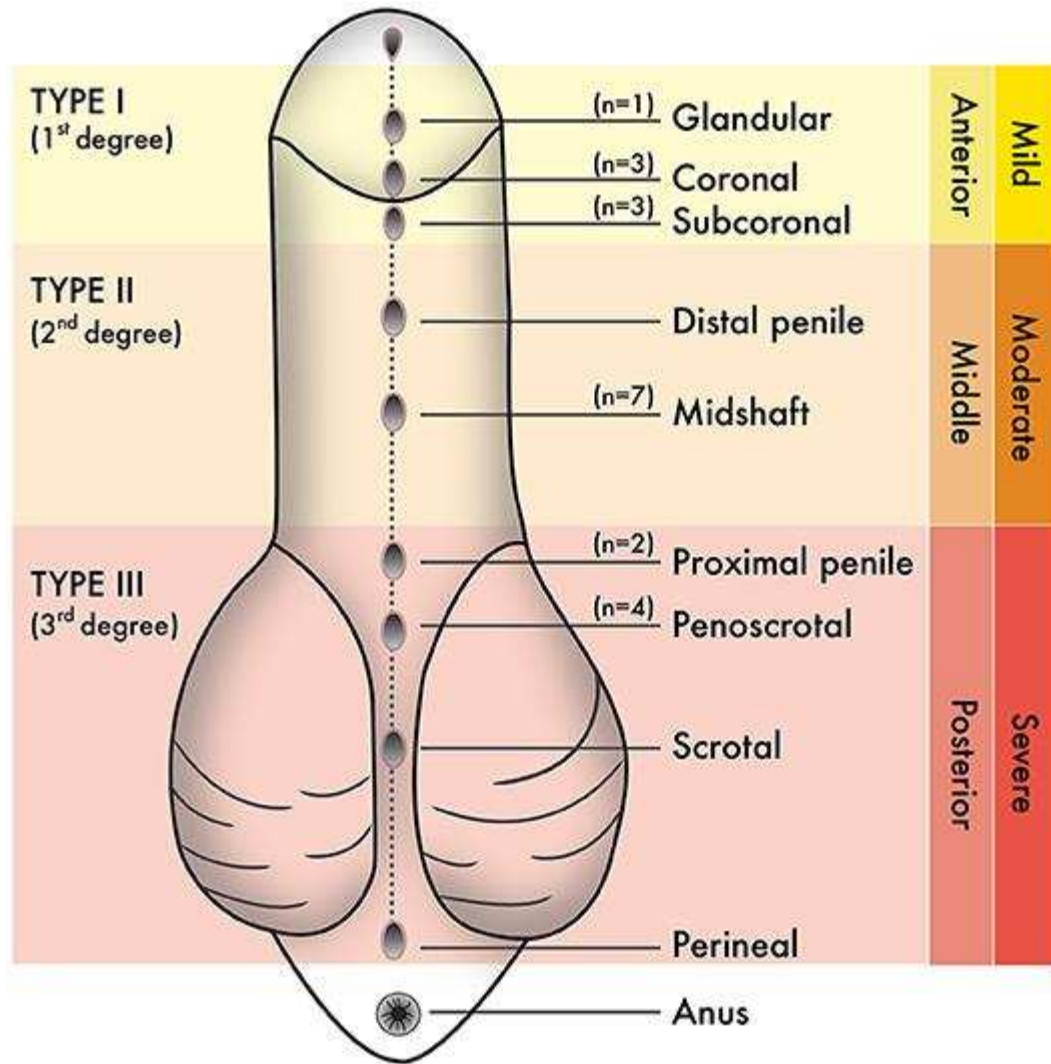
Anomalías del Desarrollo Sexual (ADS)

Desarrollo Sexual Diferente (DSD)



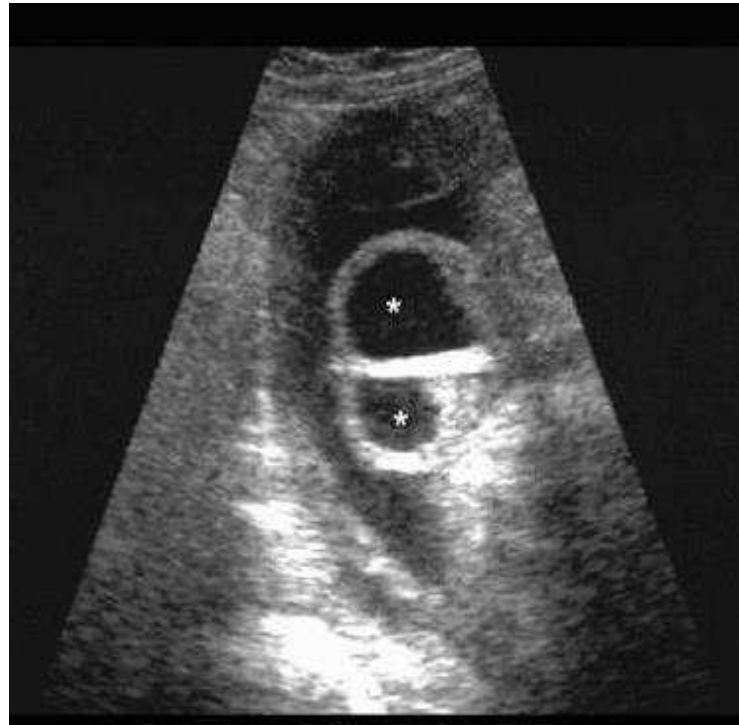
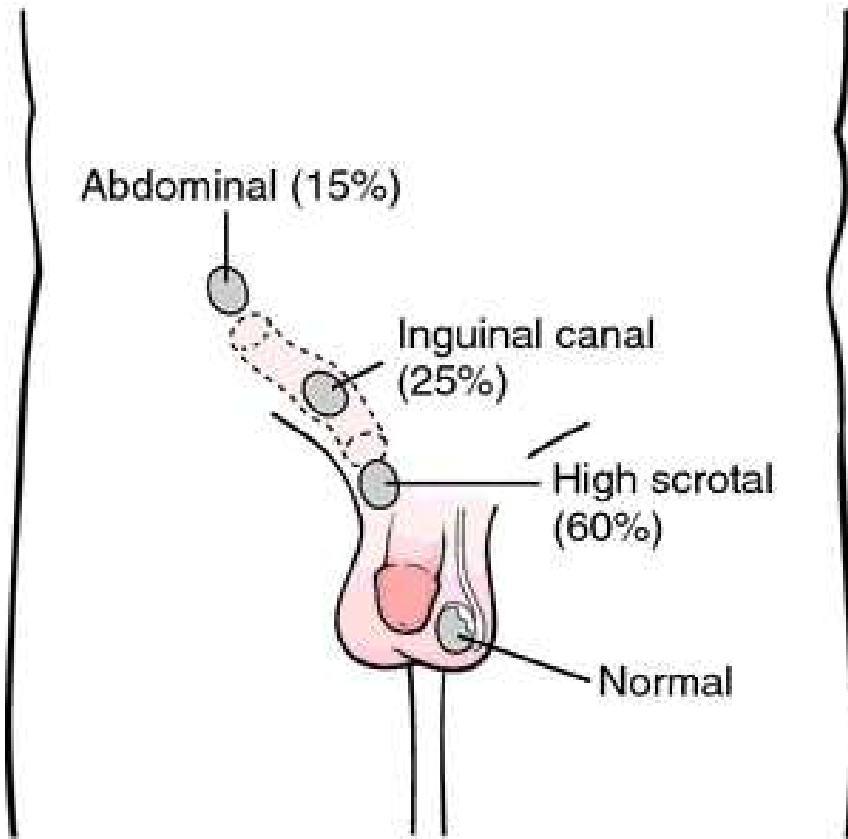
Anomalías del Desarrollo Sexual (ADS)

Hipospadias



Anomalías del Desarrollo Sexual (ADS)

Criptorquidia



GRAHAMP 1996



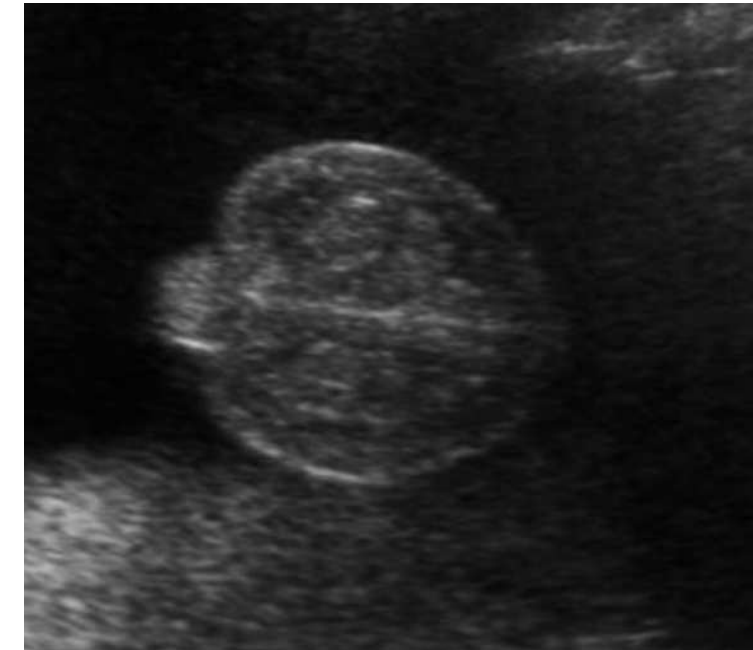
NEMEC 2021

Anomalías del Desarrollo Sexual (ADS)

Micropene



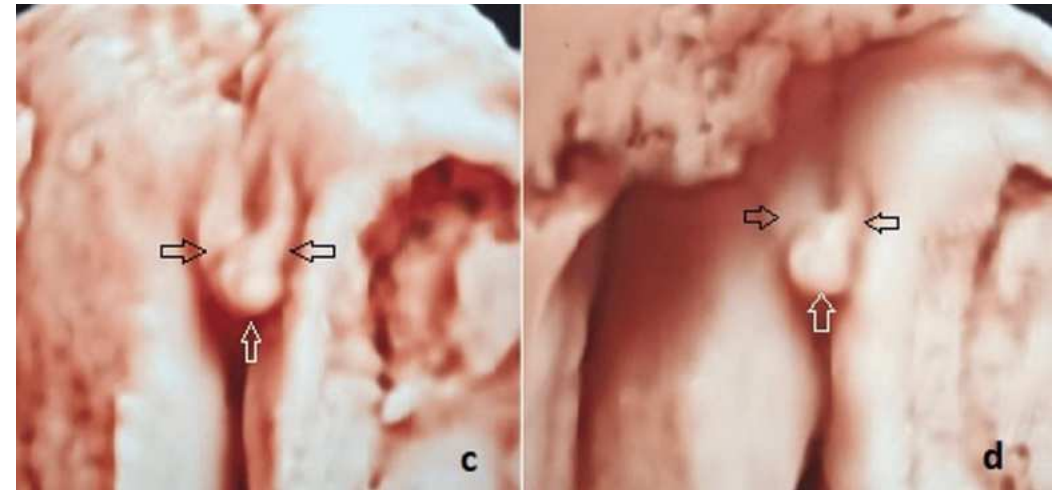
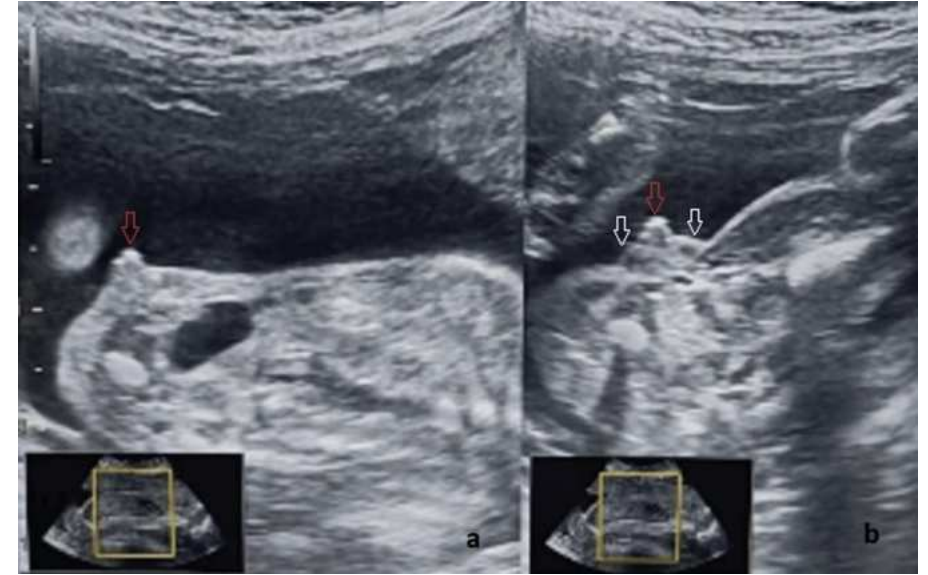
GAREL 2020



PAJKRT 2008

Anomalías del Desarrollo Sexual (ADS)

Clitoromegalia

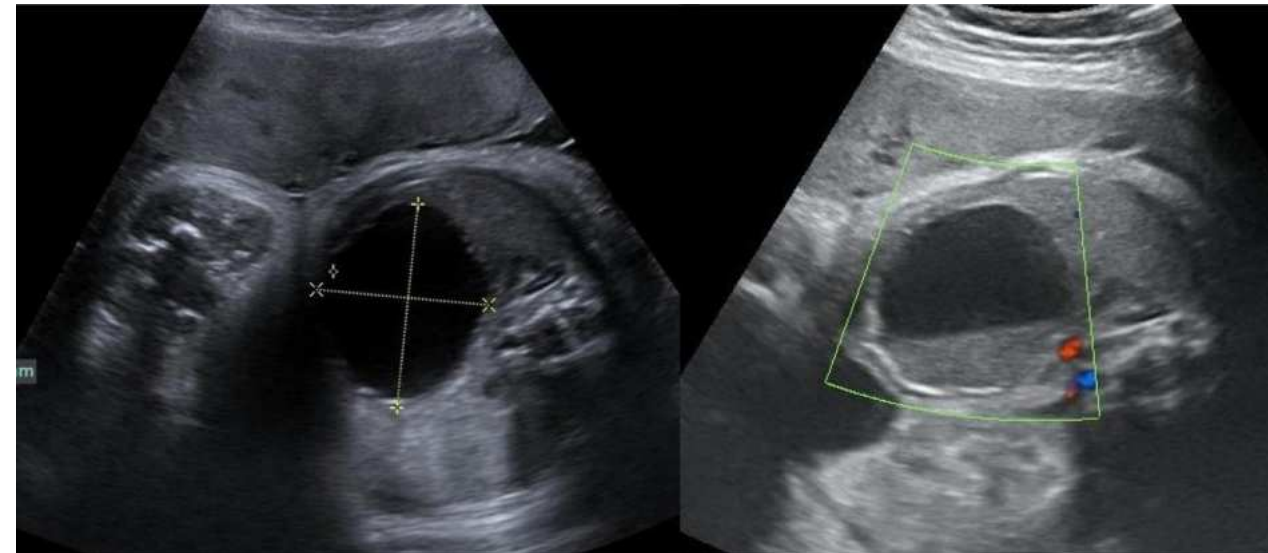


Anomalías del Desarrollo Sexual (ADS)

Quistes ováricos



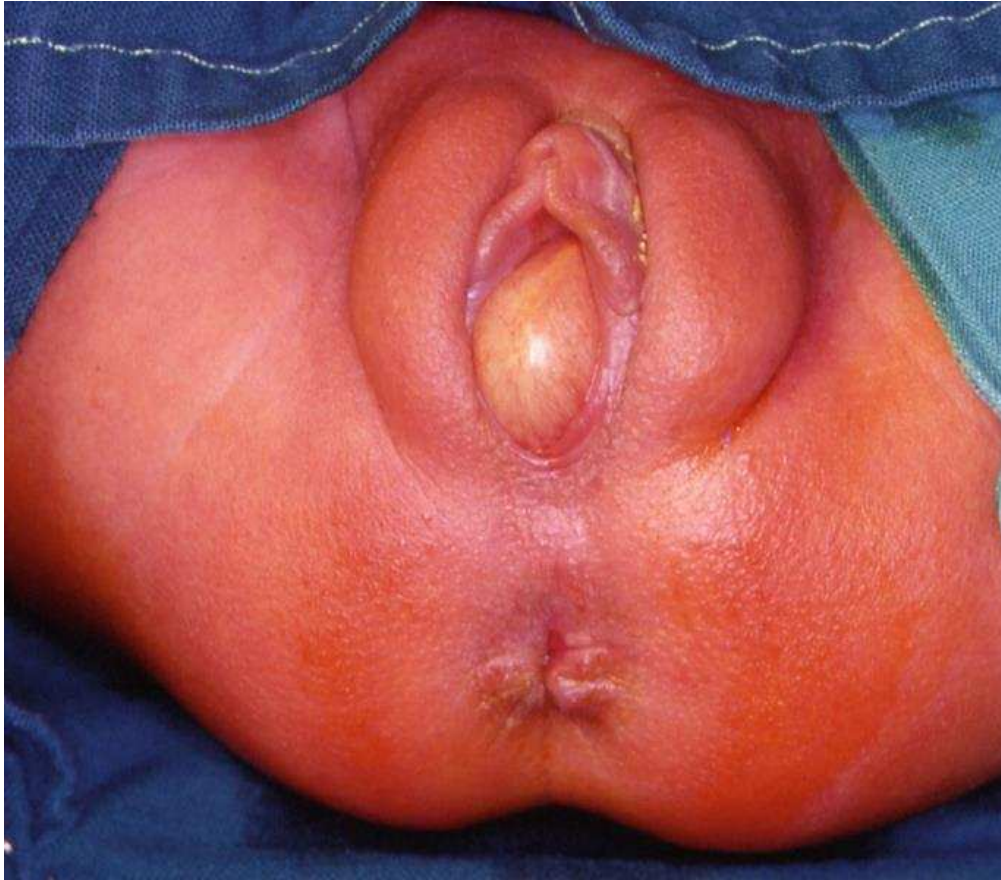
HARA 2021



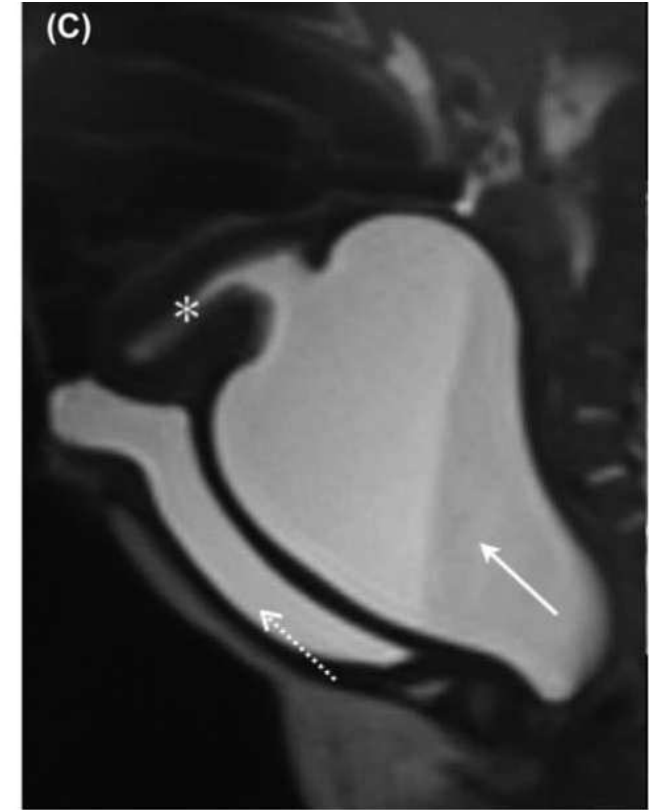
NITTA 2021

Anomalías del Desarrollo Sexual (ADS)

Hidro(metro)colpos



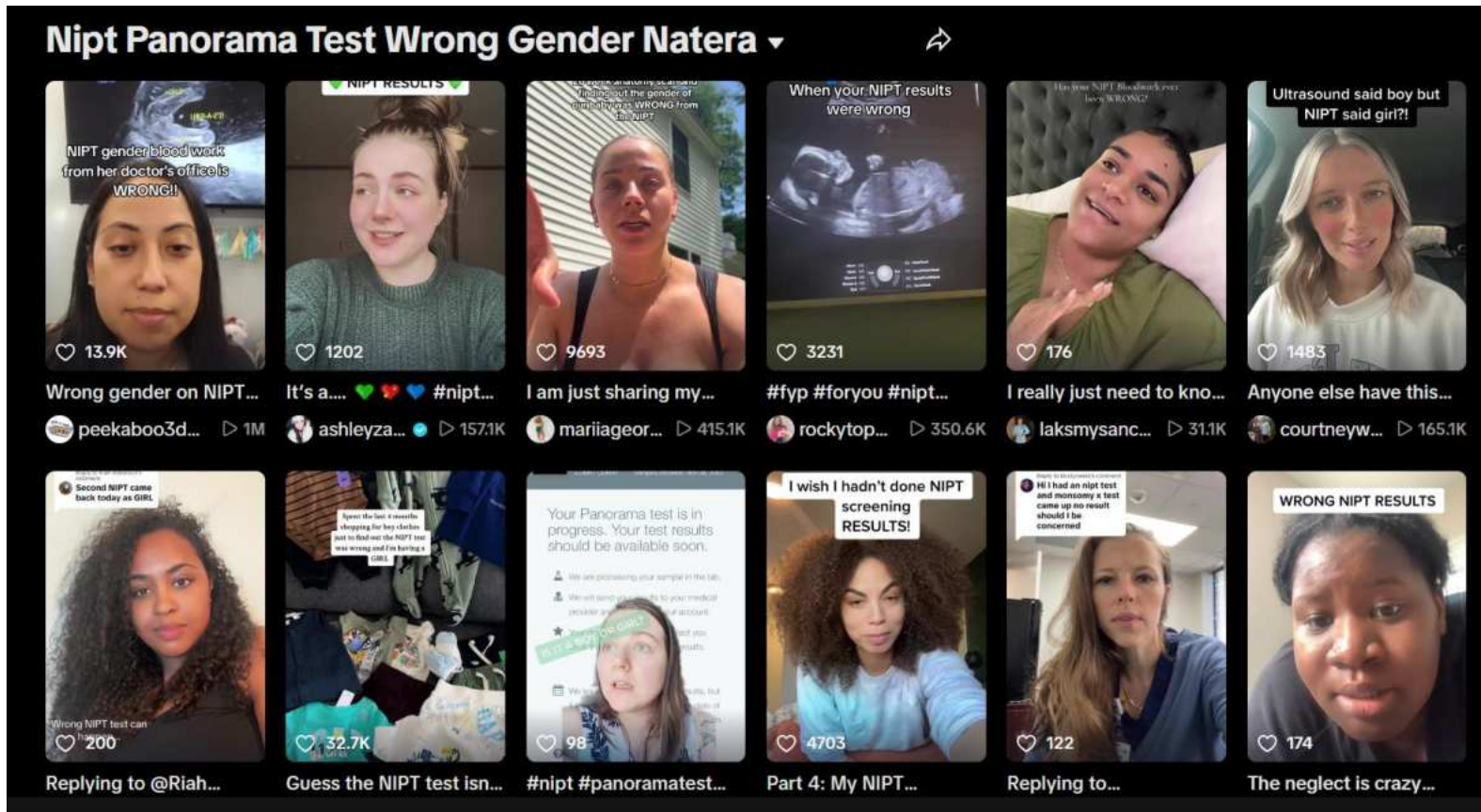
MALLMANN 2022



GARCIA RODRIGUEZ 2018

Anomalías del Desarrollo Sexual (ADS)

Discordancia de sexo fetal

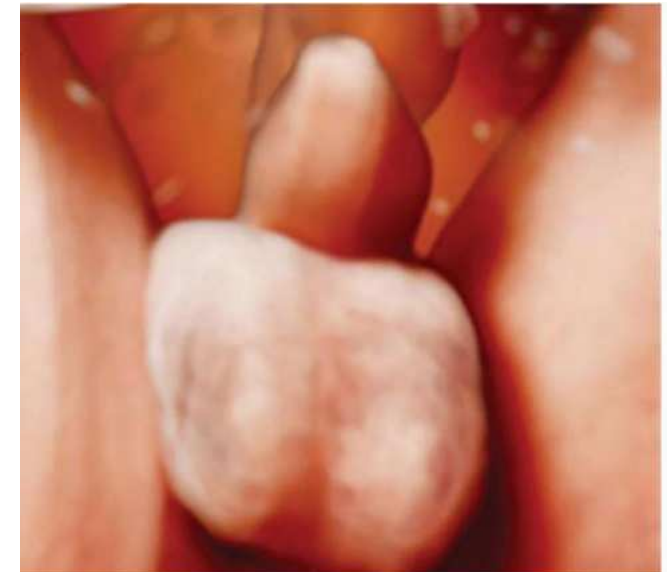


FINAL RESULTS SUMMARY

Result	Fetal Sex	Fetal Fraction
LOW RISK	Female	11.7%

RESULT DETAILS: ANEUPLOIDIES

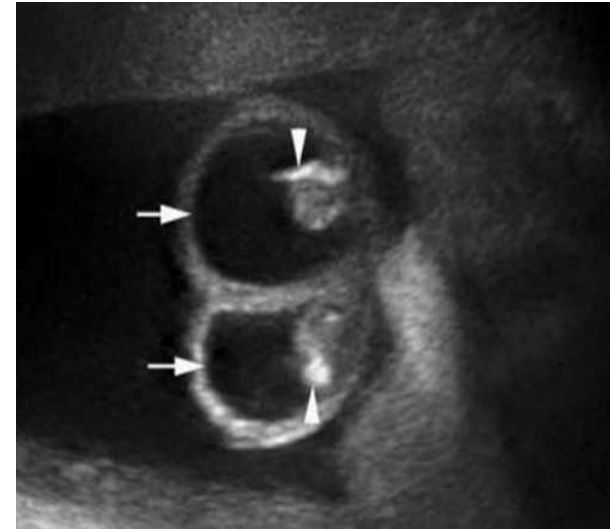
Condition tested ¹	Result	Risk Before Test ²	Panorama Risk Score ³
Trisomy 21	Low Risk	1/870	<1/10,000
Trisomy 18	Low Risk	1/1,765	<1/10,000
Trisomy 13	Low Risk	1/5,621	<1/10,000
Monosomy X	Low Risk	1/255	<1/10,000
Triploidy	Low Risk		



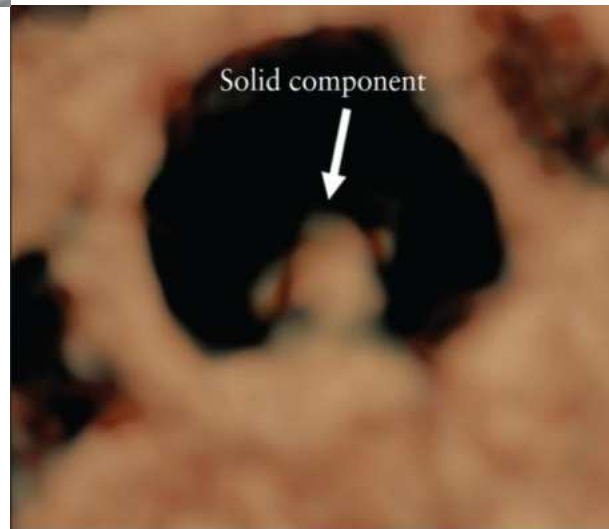
Anomalías del Desarrollo Sexual (ADS)



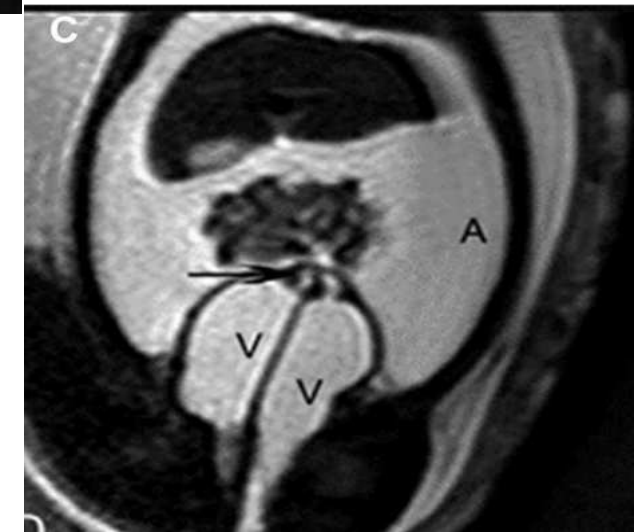
MIGLIORELLI 2018



WAX 2007



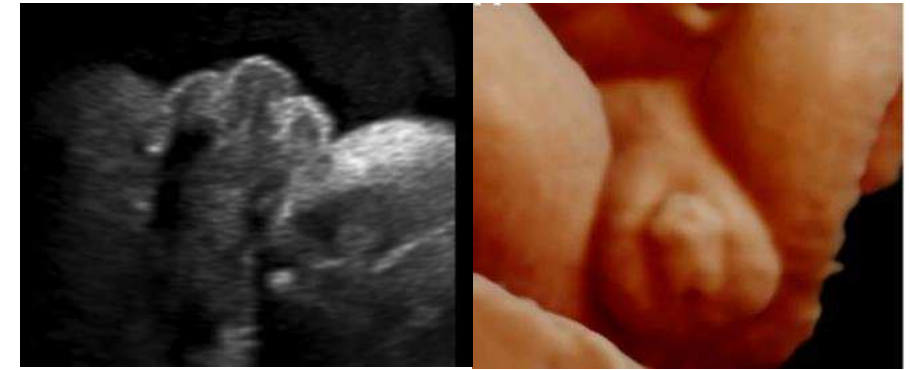
YOUSSEF 2016



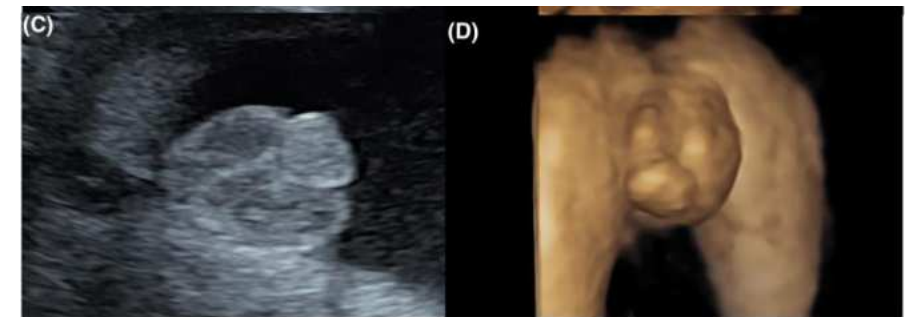
PHILLIPE 2012

Anomalías del Desarrollo Sexual (ADS)

Genitales ambiguos



PIRES 2017



BEVER 2022



MAZZA 2013

Diagnóstico prenatal de ADS

¿Por qué seguimos sin detectarlas?

Falta de conocimiento

Falta de evidencia

Falta de apoyo



Diagnóstico prenatal de ADS

¿Por qué seguimos sin detectarlas?

Falta de conocimiento

Falta de evidencia

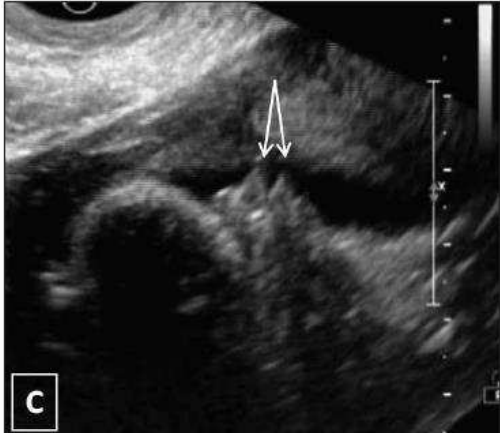
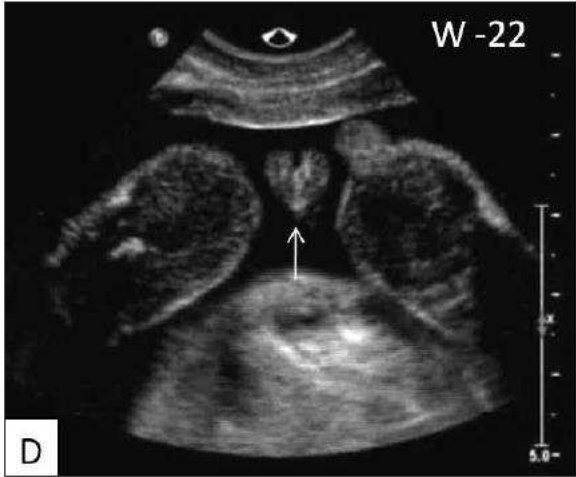
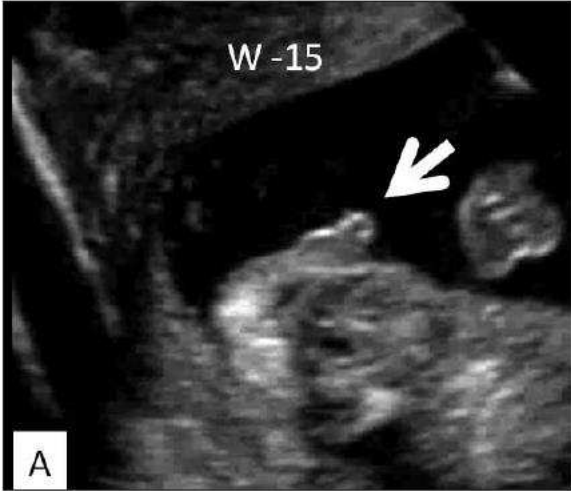
Falta de apoyo

Apparently some men can't find the cathedral..



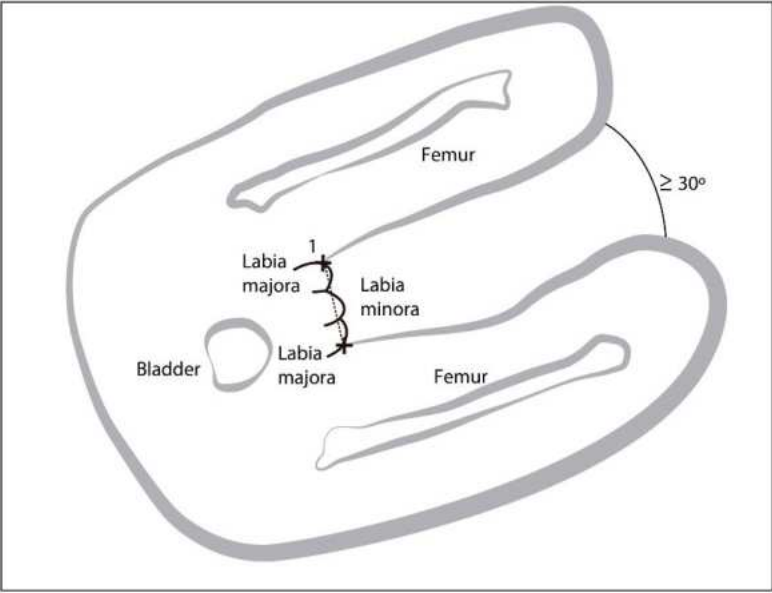
Diagnóstico prenatal de ADS

Falta de conocimiento

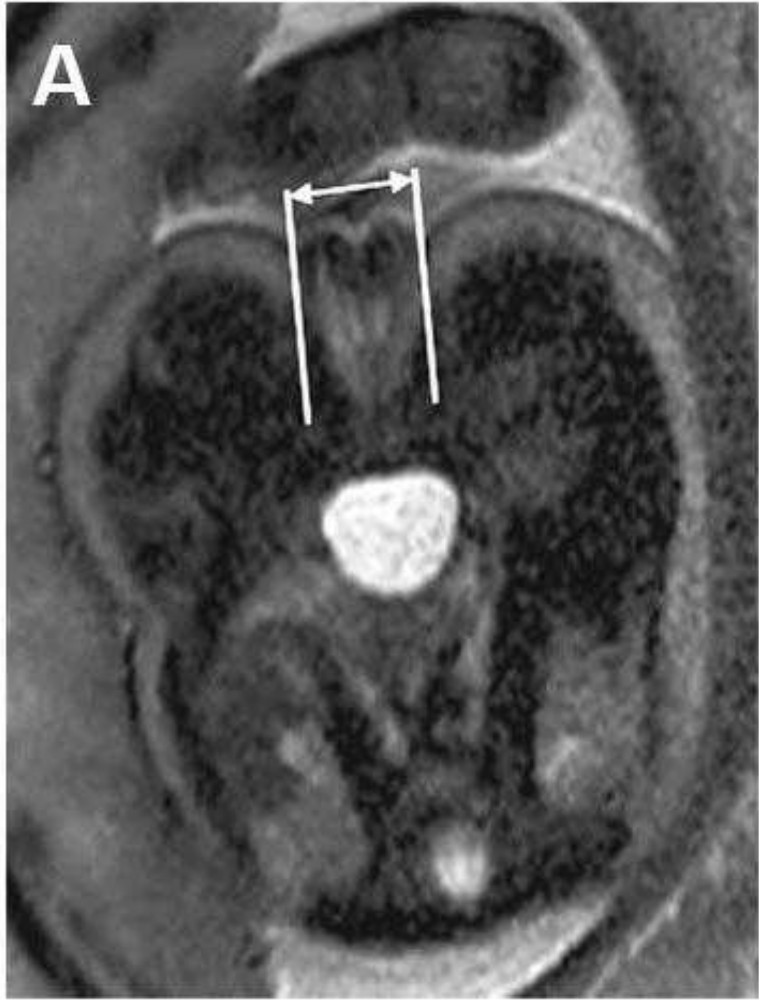


Diagnóstico prenatal de ADS

Falta de conocimiento



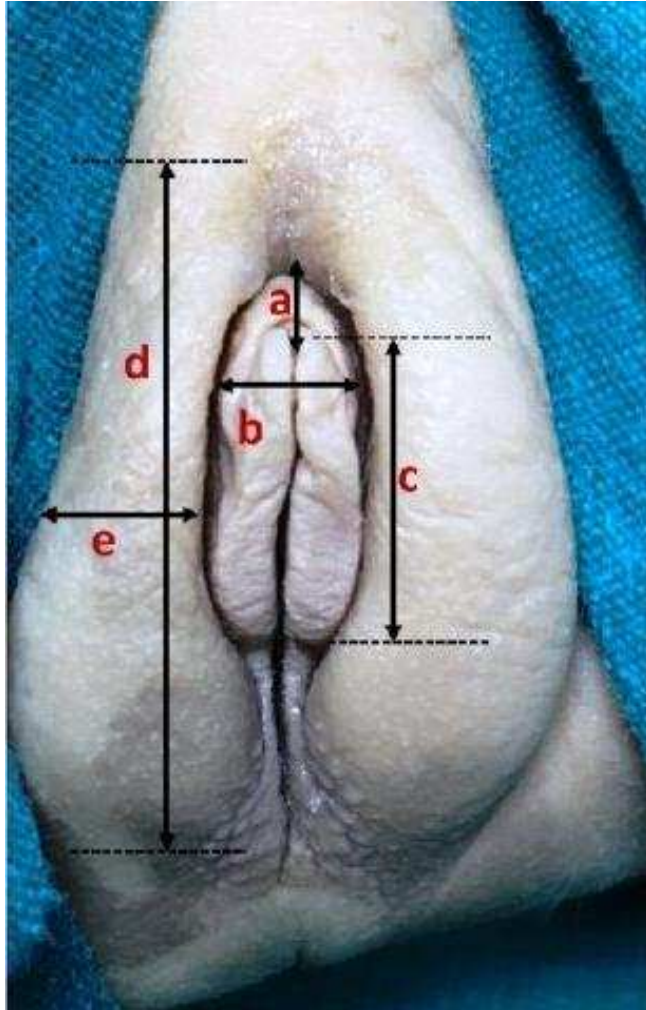
SOTO 2020



NEMEC 2012

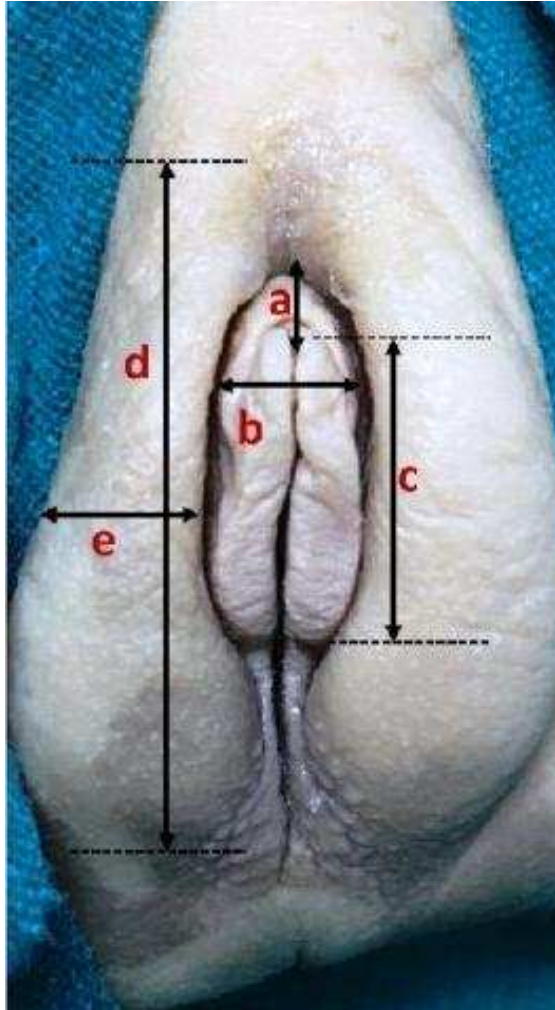
Diagnóstico prenatal de ADS

Falta de conocimiento







Diagnóstico prenatal de ADS

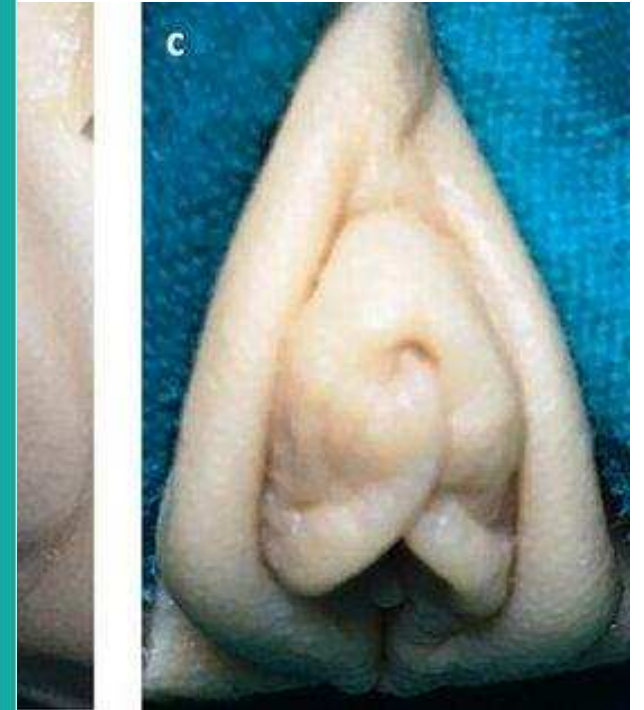
Falta de conocimiento



PRIMARY SHAPES OF THE CLITORAL HOOD

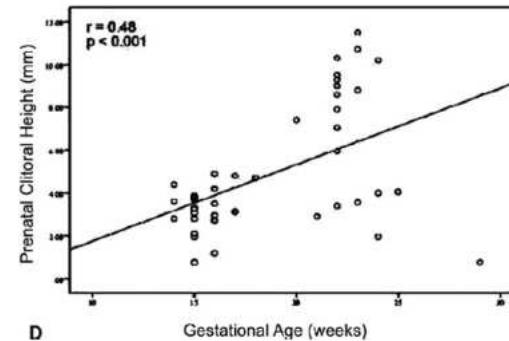
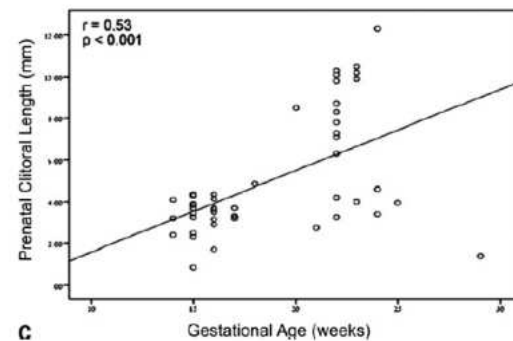
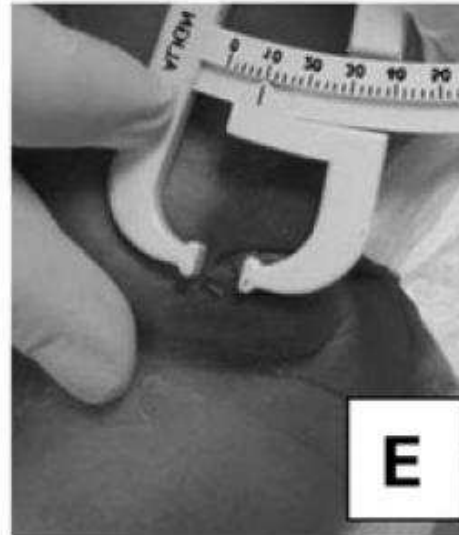
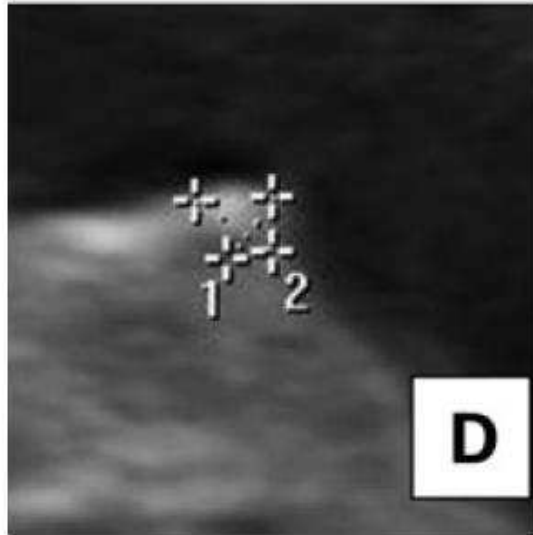
HORSESHOE  <p>The shape resembles a horseshoe where the hood creates a curve around the clitoral glans</p>	TRUMPET  <p>This shape is wider at the top and tapers down like the bell of a trumpet</p>
TENT  <p>This shape is more elongated and rounded, similar to the shape of a coffee bean</p>	COFFEE BEAN  <p>This shape forms a peak and then divides into right and left leaflets, with an opening in between where the clitoral glans can be seen</p>

@PELVICHEALTH



Diagnóstico prenatal de ADS

Falta de conocimiento



Diagnóstico prenatal de ADS

¿Por qué seguimos sin detectarlas?

Falta de conocimiento

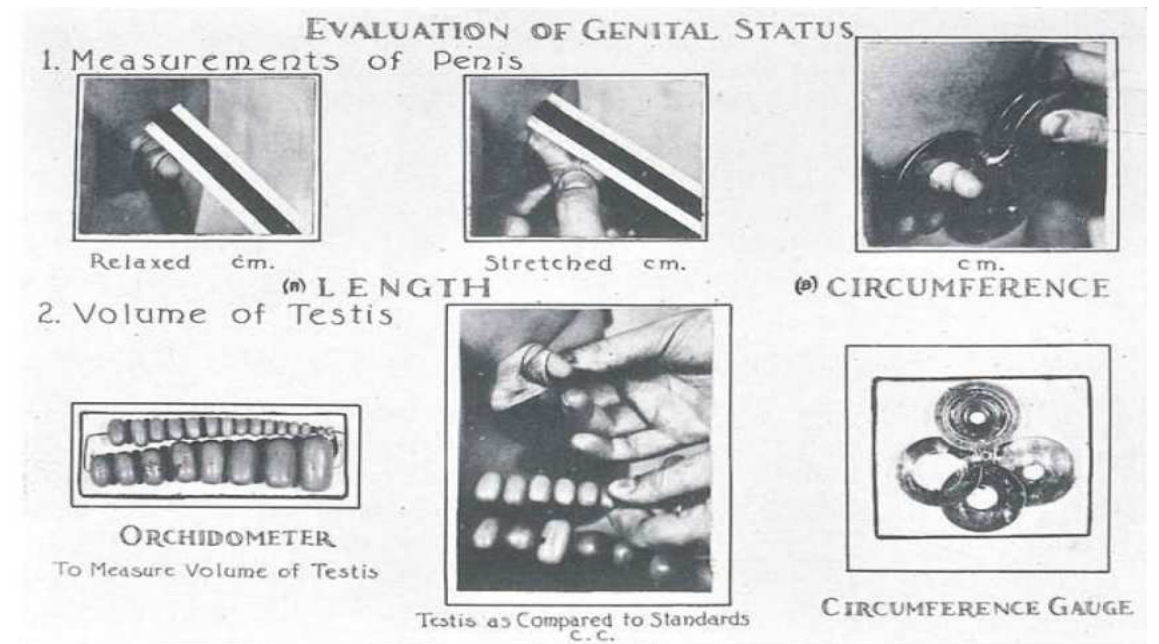
Falta de evidencia

Falta de apoyo



Diagnóstico prenatal de ADS

Falta de evidencia

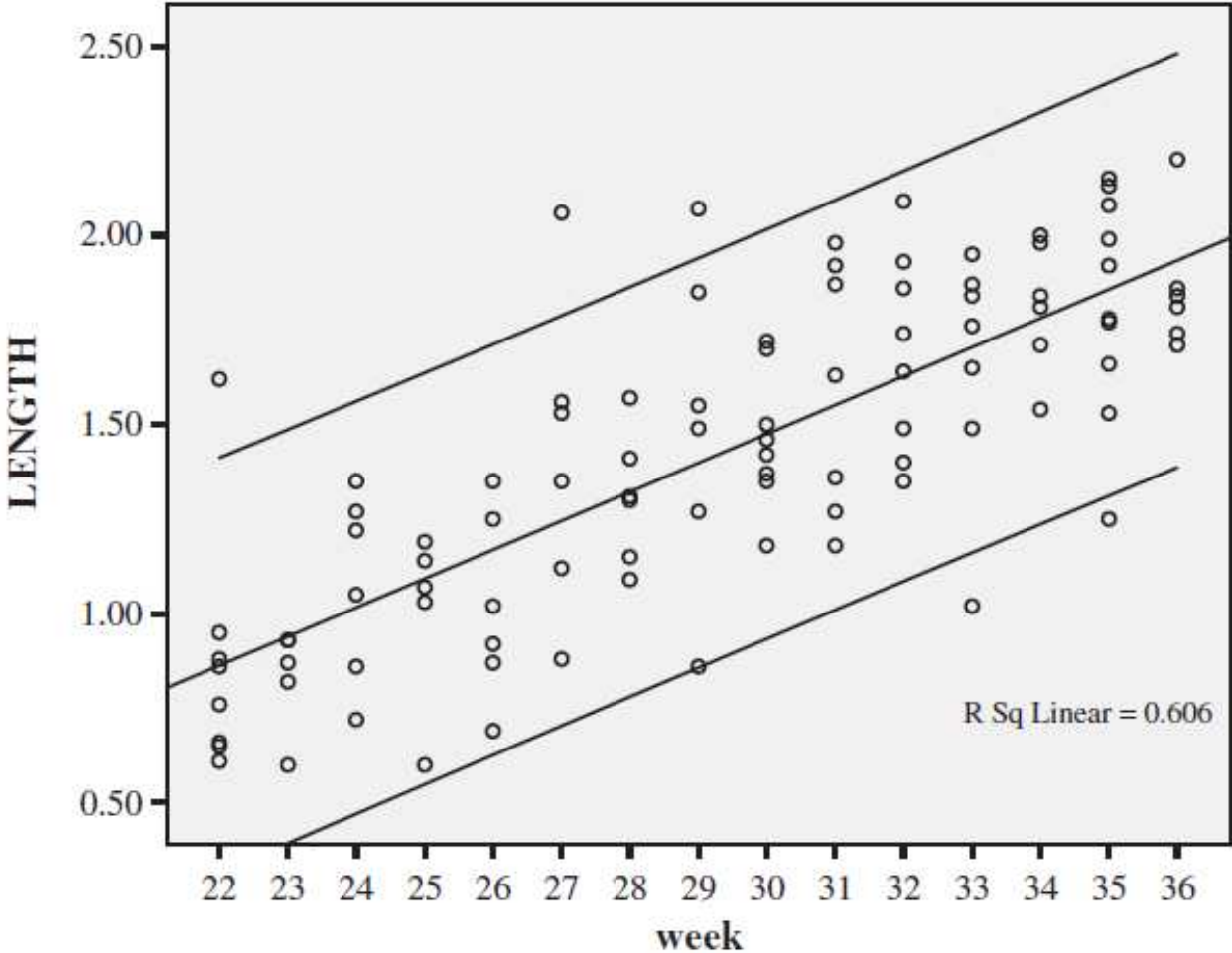


SCHONFIELD 1941

To measure SPL, the infant was placed in the dorsal decubitus position on the exam table. One end of a tongue depressor with a measuring strip (with 0.01 cm gradation) attached was placed on the pubic symphysis above and immediately adjacent to the penis while firmly applying pressure against the bone. The tongue depressor and penis were held at a 90° angle away from the infant's body. The penis was held and gently stretched while, at the same time, lowering the foreskin until the urethral meatus was visible. The distance from the lower end of the tongue depressor to the tip of the penis was measured to the nearest 0.1 cm. The protocol included two independent measurements, with a third measurement obtained if the initial measurements differed by >0.2 cm or if the measurement was below the 3rd percentile (<2 cm) or above the 97th percentile (>4.5 cm) as previously reported for term infants.²³

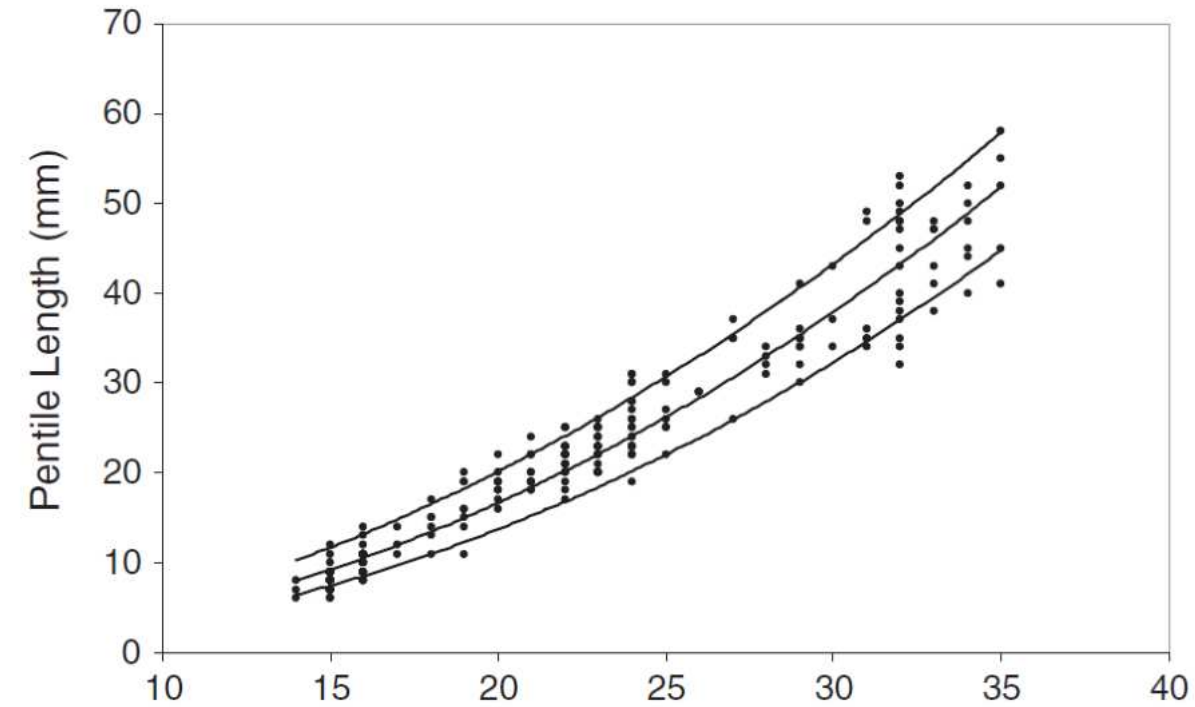
Diagnóstico prenatal de ADS

Falta de evidencia

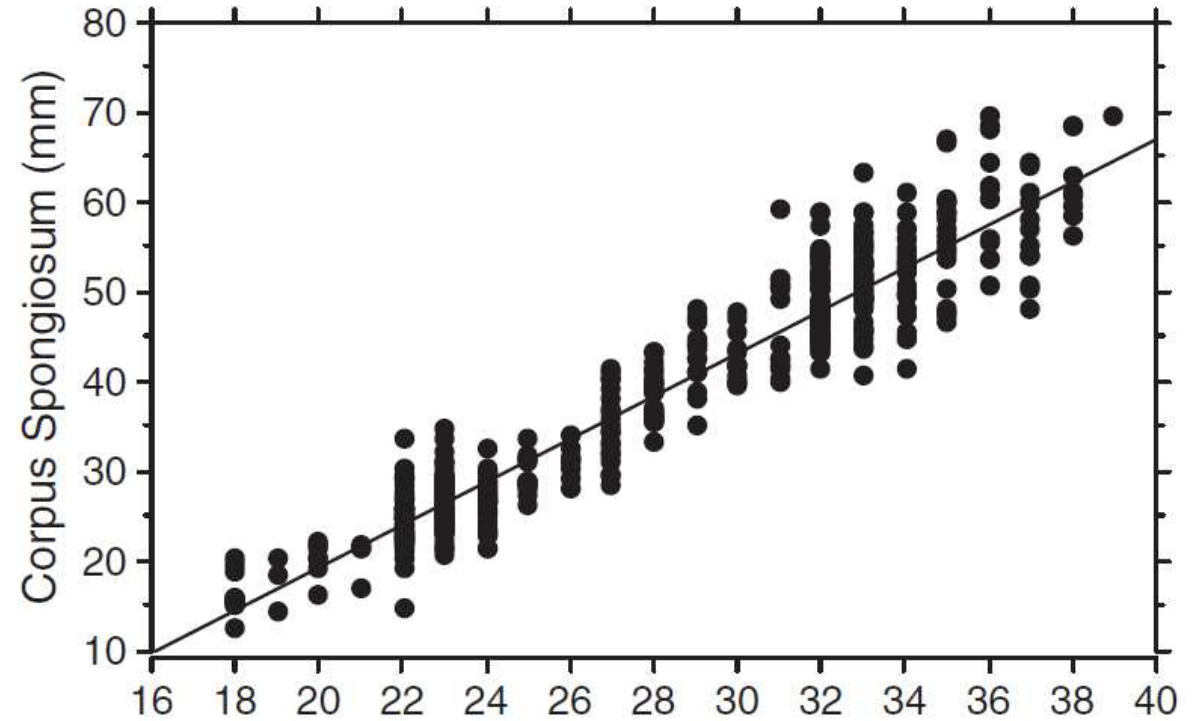


Diagnóstico prenatal de ADS

Falta de evidencia



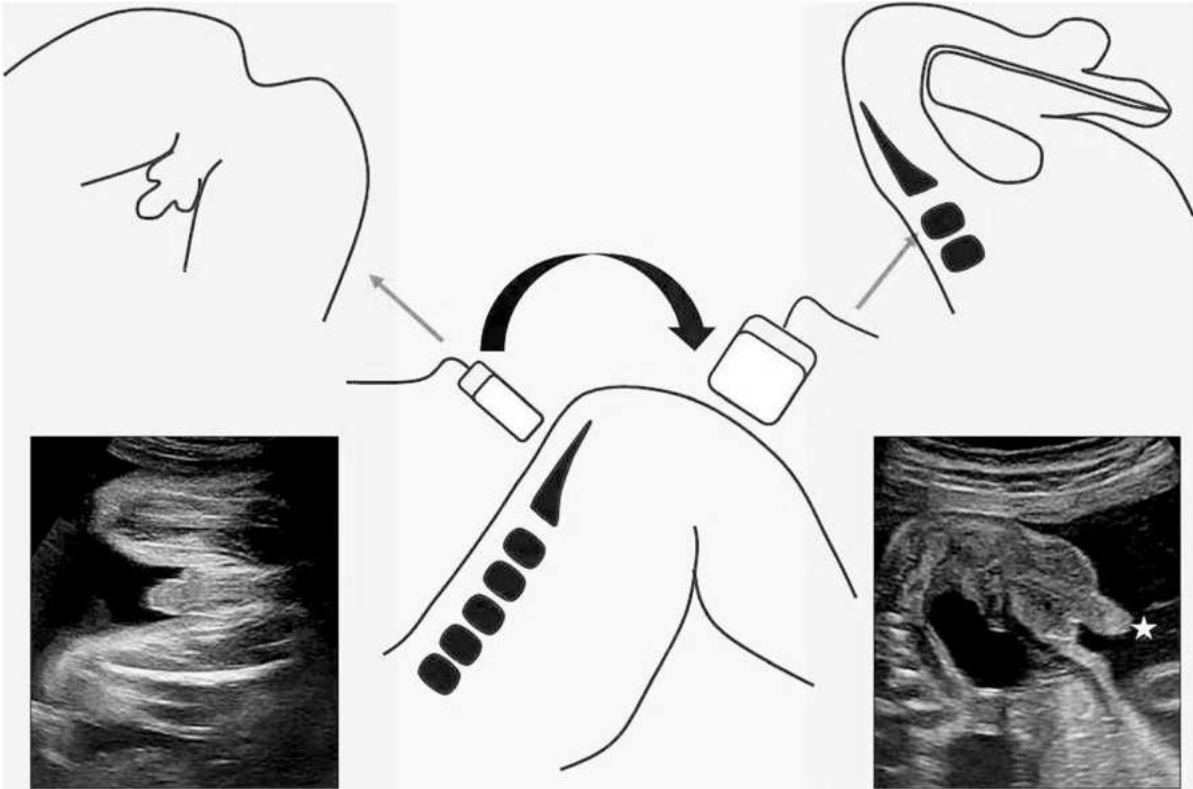
PERLITZ 2011



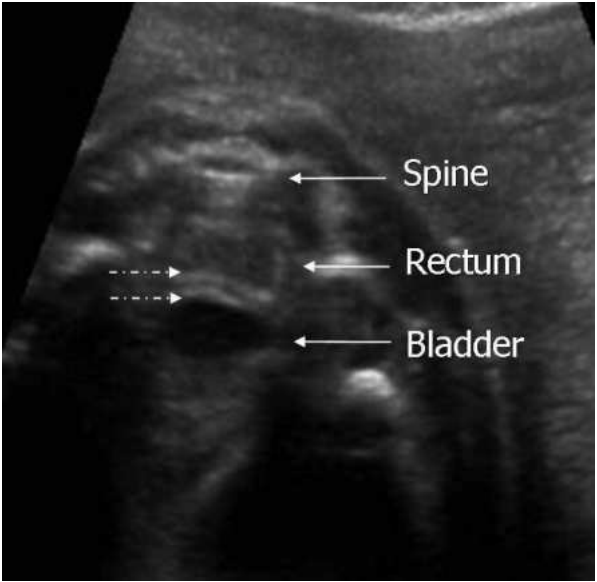
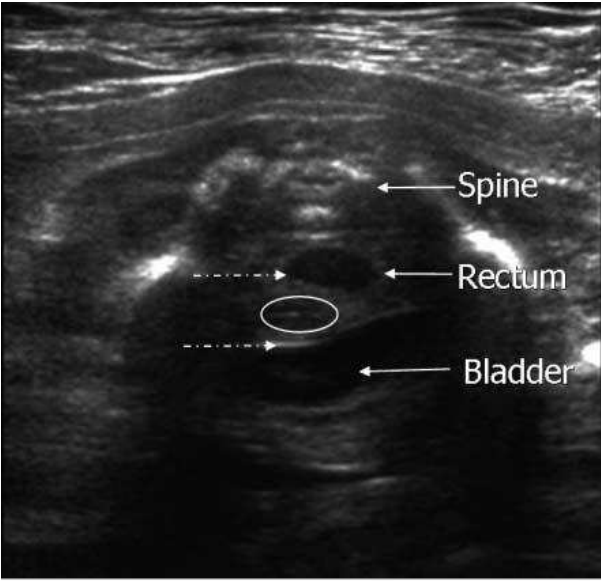
VUILLARD 2011

Diagnóstico prenatal de ADS

Falta de evidencia



GAREL 2020



GLANC 2007

Diagnóstico prenatal de ADS

Study	Year	Sample	Gestational age (weeks)	Criteria	Overall Feasibility	Overall Accuracy		
						Male	Female	Total
Alfuraih <i>et al.</i>	2021	313	11 – 13.6	AGD	65%	72%	56%	69%
Najdi <i>et al.</i>	2019	316	11 – 13.6	AGD	-	94,9%	91,2%	93%
Bogers <i>et al.</i>	2018	112	9 - 13	3D	55,2%	-	-	54,9%
Sipahi <i>et al.</i>	2018	111	11 – 13.6	AGD	-	76,8%	96,8%	86,8%
Hanprasertpong <i>et al.</i>	2016	552	16 – 20.6	Scholly	98%	89,8%	91,9%	90,8%
Arfi <i>et al.</i>	2016	310	11 – 13.6	AGD	-	87%	89%	88%
Manzanares <i>et al.</i>	2015	672	11 – 13.6	Efrat	90,5%	77,1%	97,1%	87,5%
Ballano <i>et al.</i>	2015	2314	11 – 13.6	Efrat	85,8%	94,6%	86,3%	90,1%
Lubusky <i>et al.</i>	2012	1222	11 – 13.6	Efrat	83,9%	96,3%	88,7%	92,5%
Youseff <i>et al.</i>	2011	85	11 – 13.6	3D	-	97,9%	97,2%	97,6%
Adiego <i>et al.</i>	2010	636	11 - 14	Emerson	93,8%	90,6	83,1%	86,3%
Chelli <i>et al.</i>	2009	312	11 – 14.3	Efrat	89,7%	87,9%	83,3%	85,7%
Hsiao <i>et al.</i>	2008	496	11 - 14	Whitlow	88,9%	92,5%	91,2%	91,8%
Glanc <i>et al.</i>	2007	205	14 - 40	Glanc	96,1%	100%	98,8%	99,4%
Efrat <i>et al.</i>	2006	656	12 – 13.6	Efrat	93%	99,6%	97,4%	98,5%
Hyett <i>et al.</i>	2005	32	10.5 – 13.2	Efrat	91,6%	100%	100%	100%
Adeyinka <i>et al.</i>	2005	415	15 - 40	Scholly	87,5%	83,2%	90,6%	86,5%
Mazza <i>et al.</i>	2004	2593	11.4 – 13.6	Emerson	91%	87,5%	99,1%	93,6%
Michaidilis <i>et al.</i>	2003	200	11 - 14	Emerson	81,5%	91%	89,2%	90,3
Mazza <i>et al.</i>	2001	32	11.2 – 13.2	Emerson	96,9%	82,9%	100%	92,5%
Lev Toaff <i>et al.</i>	2000	47	10 - 24	Whitlow	93,6%	100%	83,3%	92,8%
Efrat <i>et al.</i>	1999	172	11 – 13.6	Efrat	91,3%	86,7%	98,6%	92,3%
Benoit <i>et al.</i>	1999	578	12 – 13.6	Emerson	62,3%	98,4%	100%	99,2%
Whitlow <i>et al.</i>	1999	447	11 - 14	Whitlow	85%	87,8%	84,1%	86,1%
Mazza <i>et al.</i>	1999	385	11.4 – 13.6	Emerson	87,5%	91,5%	95,9%	93,6%
Mielke <i>et al.</i>	1998	172	11 – 16	Whitlow	80,3%	100%	100%	100%
Harrington <i>et al.</i>	1996	472	20	Whitlow	89,4%	95,3%	97,4%	96,7%
Meaguer <i>et al.</i>	1996	843	14 – 20	Whitlow	91,3%	99,7%	98,8%	99,3%
Nzeh <i>et al.</i>	1996	76	22 - 40	Scholly	-	95,7%	93,1%	94,7%
Watson <i>et al.</i>	1990	100	13 – 19	Scholly	91%	89,5%	97,1%	92,3%
Bronstein <i>et al.</i>	1990	1091	13 – 16	Whitlow	88,7%	97,3%	98,5%	97,9%
Emerson <i>et al.</i>	1989	184	10 – 20	Emerson	82%	86%	79%	82%
Reece <i>et al.</i>	1987	115	16 - 20	Scholly	83,5%	90%	100%	92,7%
Elejalde <i>et al.</i>	1985	722	13 – 35	Scholly	63,6%	96,9%	92,8%	95,2%
Natsuyama <i>et al.</i>	1983	8010	12 - 40	Natsuyama	97,1%	96,4%	96,4%	96,4%
Birnholtz <i>et al.</i>	1983	855	15 – 40	Whitlow	69%	99,1%	98,5%	98,8%
Dunne <i>et al.</i>	1983	113	10 - 25	Scholly	47%	100%	88%	94,3%
Limacher <i>et al.</i>	1983	104	19 – 40	Scholly	83,6%	97,8%	94,8%	97%
Plattner <i>et al.</i>	1983	266	16 - 40	Scholly	72,9%	92%	93%	92,5%
Stephens <i>et al.</i>	1983	100	16 - 18	Scholly	100%	100%	100%	100%
Shalev <i>et al.</i>	1981	381	>20	Scholly	95,2%	100%	97%	99,5%
Scholly <i>et al.</i>	1980	112	25 - 40	Scholly	64,3%	100%	100%	100%
Le Lann <i>et al.</i>	1979	103	>27	Scholly	90%	100%	100%	100%
De la Fuente <i>et al.</i>	1979	227	>20	Stocker	44%	88%	86%	87%
Stocker <i>et al.</i>	1977	229	30 - 40	Stocker	54,1%	100%	89,9%	95,2%

Diagnóstico prenatal de ADS

¿Por qué seguimos sin detectarlas?

Falta de conocimiento

Falta de evidencia

Falta de apoyo



Diagnóstico prenatal de ADS

Falta de apoyo



GUIDELINES

Practice guidelines for performance of the routine mid-trimester fetal ultrasound scan

Genitalia

Characterization of external genitalia to determine fetal gender is not considered mandatory in the context of a mid-trimester routine scan. Reporting of gender should be considered only with parental consent and in the context of local practices.

Table 1 Recommended minimum requirements for basic mid-trimester fetal anatomical survey

Head	Intact cranium Cavum septi pellucidi Midline falx Thalami Cerebral ventricles Cerebellum Cisterna magna
Face	Both orbits present Median facial profile* Mouth present Upper lip intact
Neck	Absence of masses (e.g. cystic hygroma)
Chest/Heart	Normal appearing shape/size of chest and lungs Heart activity present Four-chamber view of heart in normal position Aortic and pulmonary outflow tracts* No evidence of diaphragmatic hernia
Abdomen	Stomach in normal position Bowel not dilated Both kidneys present Cord insertion site
Skeletal	No spinal defects or masses (transverse and sagittal views) Arms and hands present, normal relationships Legs and feet present, normal relationships
Placenta	Position No masses present Accessory lobe
Umbilical cord	Three-vessel cord*
Genitalia	Male or female*

*Optional component of checklist: can be evaluated if technically feasible.

Diagnóstico prenatal de ADS

Falta de apoyo



GUIDELINES

ISUOG Practice Guidelines (updated): performance of the routine mid-trimester fetal ultrasound scan

Characterization of external genitalia to determine fetal gender is not considered part of the routine mid-trimester scan. Reporting of gender should be considered only on parental request and in the context of local practice and regulations. However, the normal appearance of the external genitalia should be checked.

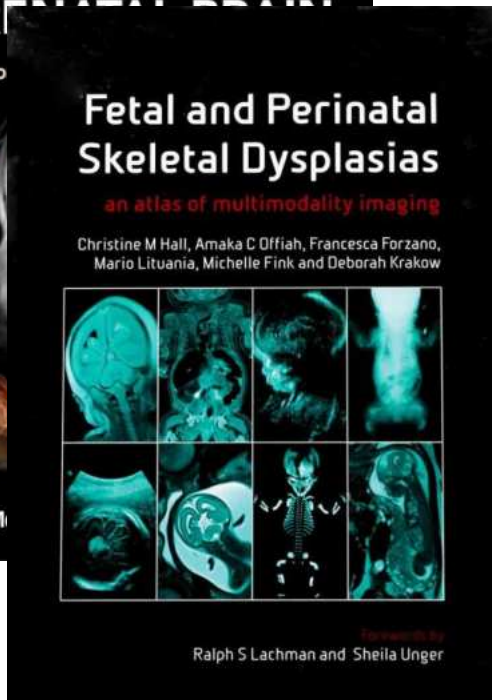
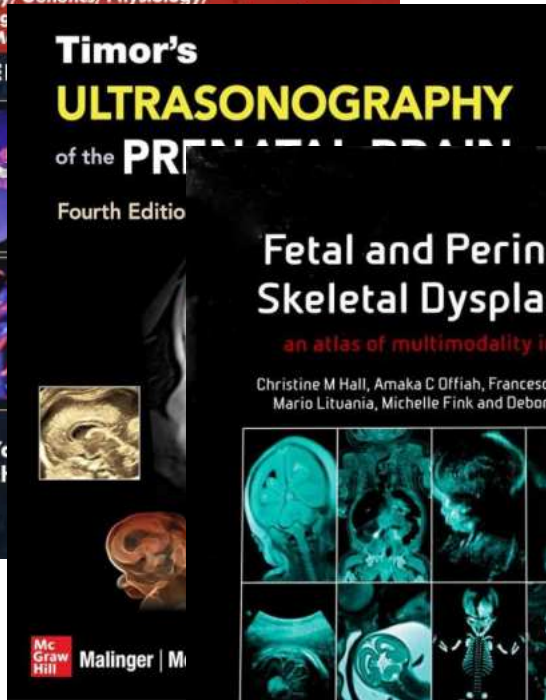
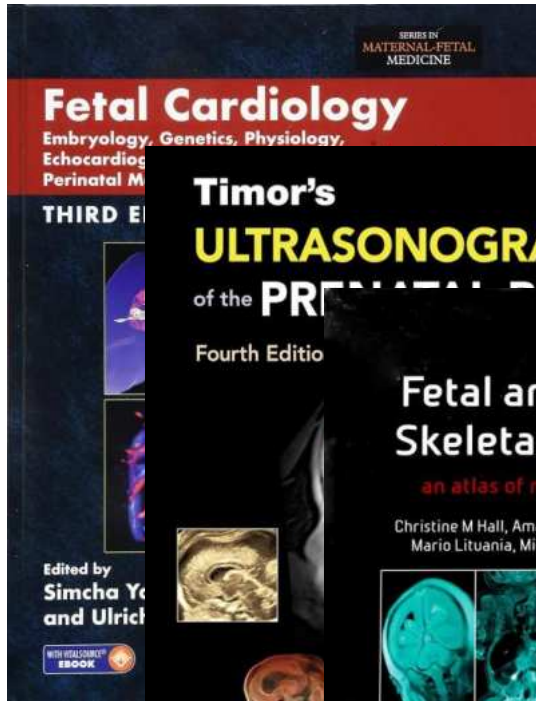
Table 1 Suggested minimum (and *optional) requirements for basic mid-trimester fetal anatomical survey

Head	Intact cranium Head shape normal Cavum septi pellucidi normal in appearance Choroid plexus normal in appearance Midline falx normal in appearance Thalami normal in appearance Lateral cerebral ventricles normal in appearance Cerebellum normal in appearance Cisterna magna normal in appearance Nuchal fold* normal in appearance
Face	Both orbits and bulbi present Midsagittal facial profile* normal in appearance Nasal bone* normal in appearance Upper lip intact
Neck	Absence of masses (e.g. cystic hygroma)
Chest/heart	Chest and lungs appearing normal in shape/size Heart activity present Four-chamber view of heart in normal position (left chambers on left side) Aortic and pulmonary outflow tracts (relative size and their relationships) normal LVOT view; three-vessel view or three-vessels-and-trachea view normal No evidence of diaphragmatic hernia
Abdomen	Stomach in normal position on left side Bowel normal (not dilated or hyperechogenic) Gallbladder on right side* Both kidneys present, no pyelectasis Urinary bladder normal in appearance Cord insertion site into the fetal abdomen normal
Skeletal	No spinal defects or masses (transverse and sagittal views) Arms and hands present, normal joint position Legs and feet present, normal joint position
Placenta	Placental position and relation to cervix normal No masses present
Umbilical cord	Three-vessel cord* Cord insertion into placenta* normal
Genitalia	Normal male or female genitalia*
Cervix	Cervical-length measurement normal*

* Optional component of checklist: can be evaluated if technically feasible and according to local practice. LVOT, left ventricular outflow tract.

Diagnóstico prenatal de ADS

Falta de apoyo



SMFM Fetal Anomalies Consult Series #1: Facial Anomalies

Society for Maternal-Fetal Medicine (SMFM); Beryl R. Benacerraf, MD; Bryann Bromley, MD; Angie C. Jelin, MD

Introduction: Facial Anomalies

Anomalies of the fetal face can be isolated or a component of a complex syndrome. The syndromic involvement of multiple other organ systems can result in adverse

outcomes. Evaluation of the fetal face is a basic part of the sonographic fetal survey, and detection of fetal facial anomalies is a key component of prenatal diagnosis. A

FIGURE 1
Coronal view of nostrils, lips, and nose

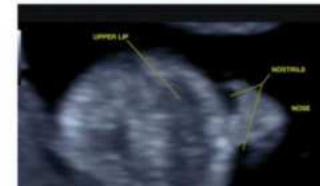
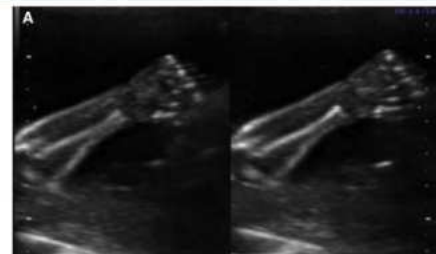


FIGURE 3
Midsagittal view of fetal profile



FIGURE 2
Hand and foot positions



A, Normal positioning of the wrist; B, normal positioning of the ankle.
SMFM Fetal Anomalies Consult Series #2. Am J Obstet Gynecol 2018.

Enter stated gestational age 8 weeks 0 days

Enter your measured value millimeters, grams, or ratio Clear

HEAD	CHEST	EXTREMITIES*
BPD	TC_Chitkara	Humerus
HC_Chitty	TC_Laudy	Radius
HC_Hadlock	Clavicle	Ulna
HC*_Jeanty		Femur_Chitty
Binocular_distance	ABDOMEN	Femur_Hadlock
Transcerebellar_Diameter	AC_Chitty	Tibia
Mandible_length	AC_Hadlock	Fibula
	Colon_Diameter	Foot
	Renal_Pelvis_AP	
	Kidney_Length	
	Kidney_Diameter_AP	
GROWTH / DOPPLER		
EFW_(Hadlock_1991)	Umbilical_artery_RI	MCA_PI
Uterine_artery_PI	Umbilical_artery_S/D	

PROTOCOLO: NEUROSONOGRAFIA FETAL

NEUROSONOGRAFIA FETAL

Hospital Clínic | Hospital Sant Joan de Déu | Universitat de Barcelona.

PROTOCOLO: MANEJO PRENATAL DE LAS DILATACIONES URINARIAS DEL TRACTO SUPERIOR

MANEJO PRENATAL DE LAS DILATACIONES URINARIAS DEL TRACTO SUPERIOR

Hospital Clínic | Hospital Sant Joan de Déu | Universitat de Barcelona.

PROTOCOLO: ECOCARDIOGRAFÍA FUNCIONAL FETAL

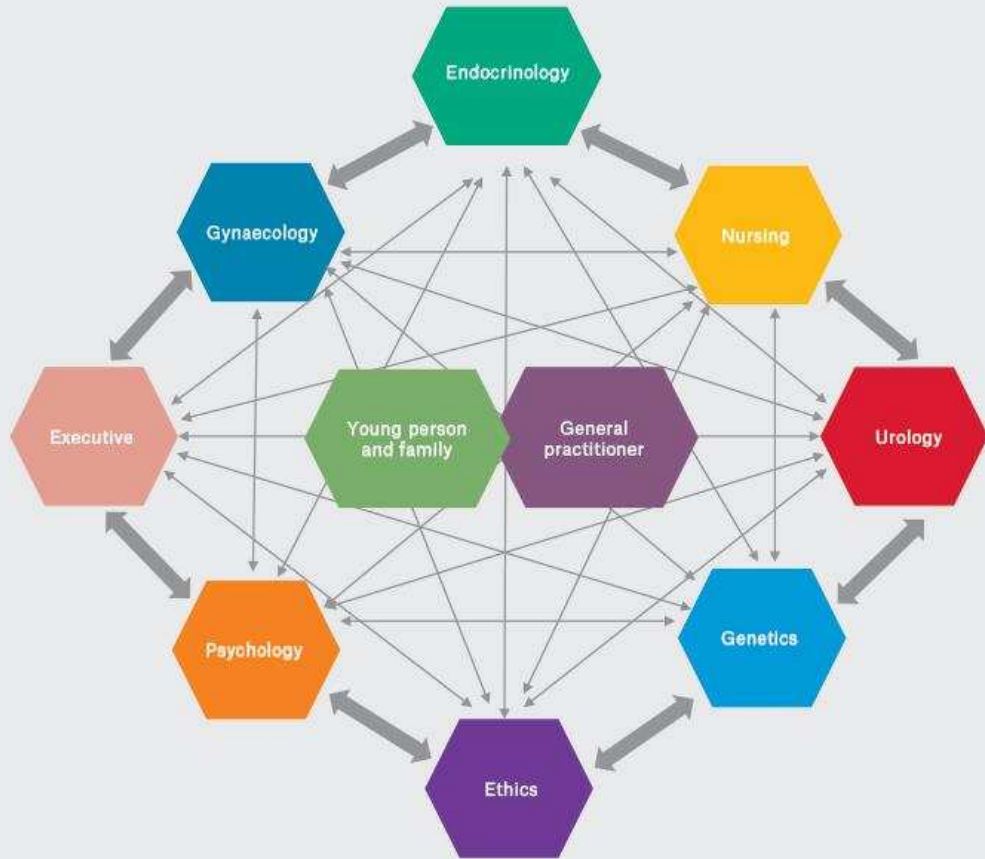
ECOCARDIOGRAFÍA FUNCIONAL FETAL

Unidad de Cardiología Fetal

Hospital Clínic | Hospital Sant Joan de Déu | Universitat de Barcelona

Diagnóstico prenatal de ADS

Falta de apoyo



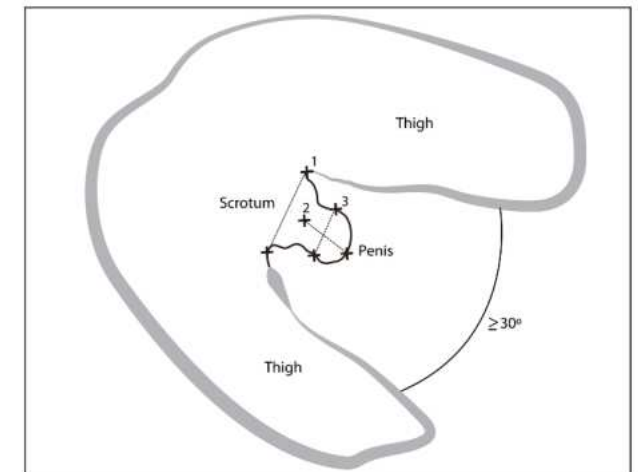
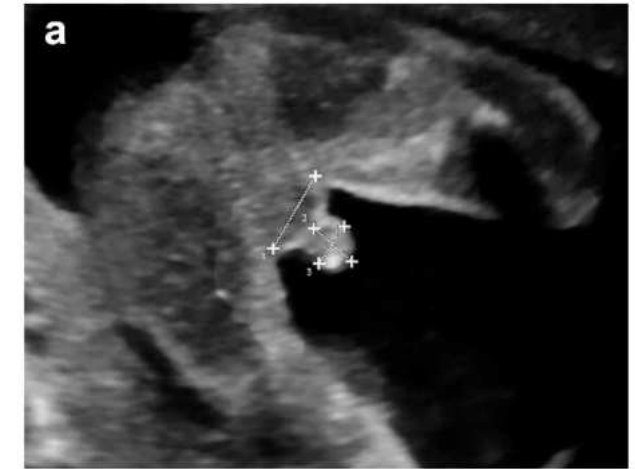
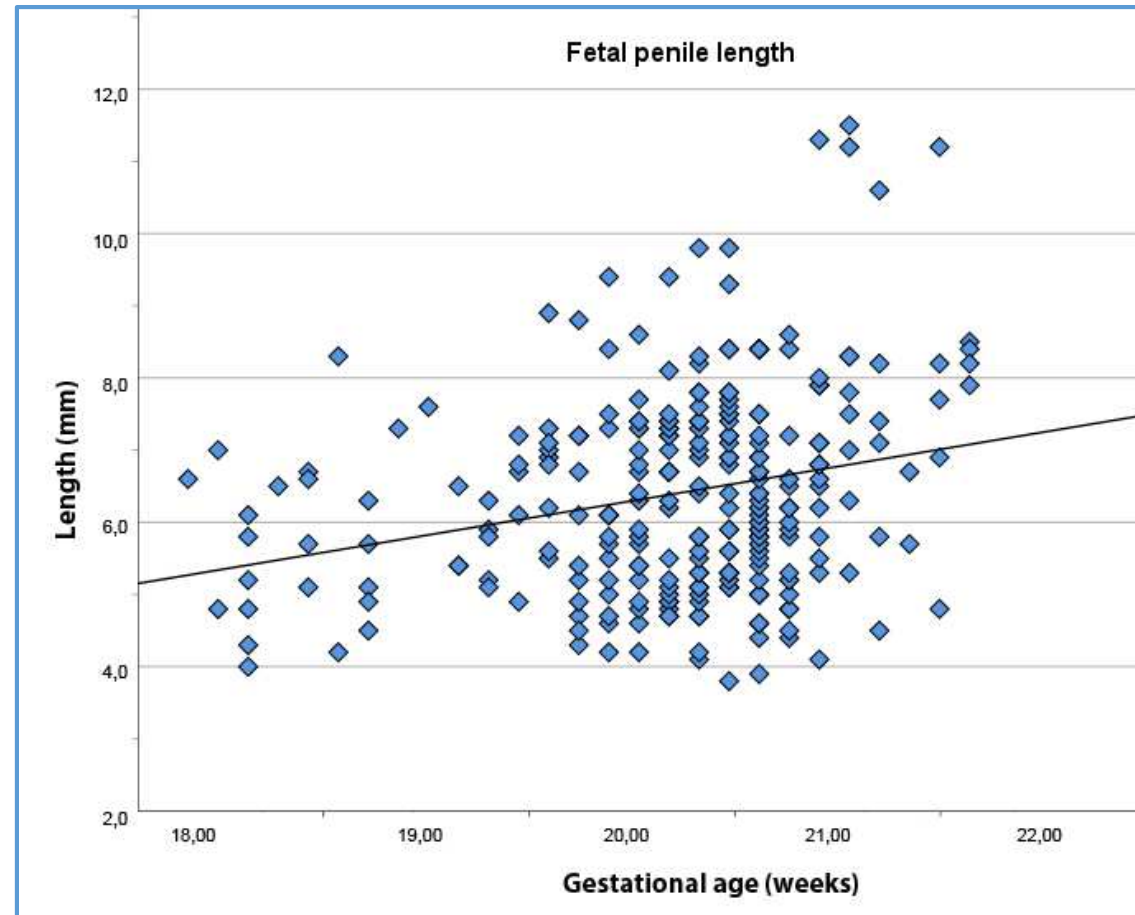
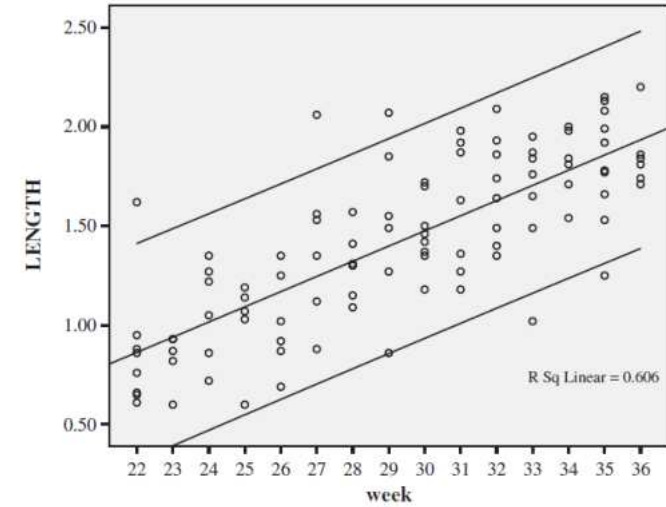
Diagnóstico prenatal y postnatal de ADS



Diagnóstico prenatal y postnatal de ADS

Open-legs axial plane: A standardized methodology and reference values for fetal genital biometry in mid-trimester ultrasound

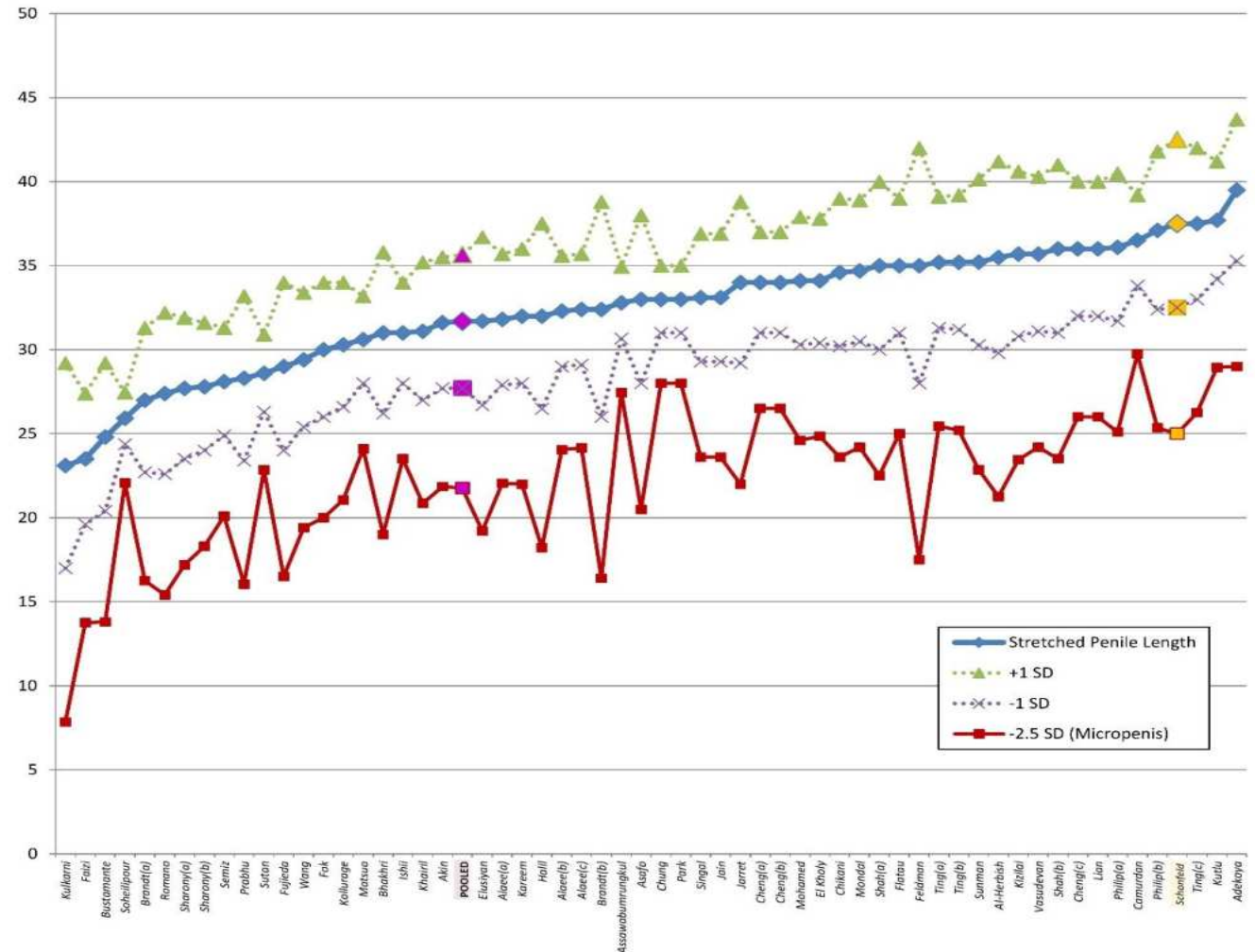
European Journal of Obstetrics & Gynecology and Reproductive Biology 263 (2021) 50–55



Diagnóstico prenatal y postnatal de ADS

Stretched penile length at birth: a systematic review

J Pediatr Endocrinol Metab 2021; aop



Diagnóstico prenatal y postnatal de ADS

Prenatal ambiguous/atypical genitalia:
why are we still missing it and how can we
improve diagnosis?

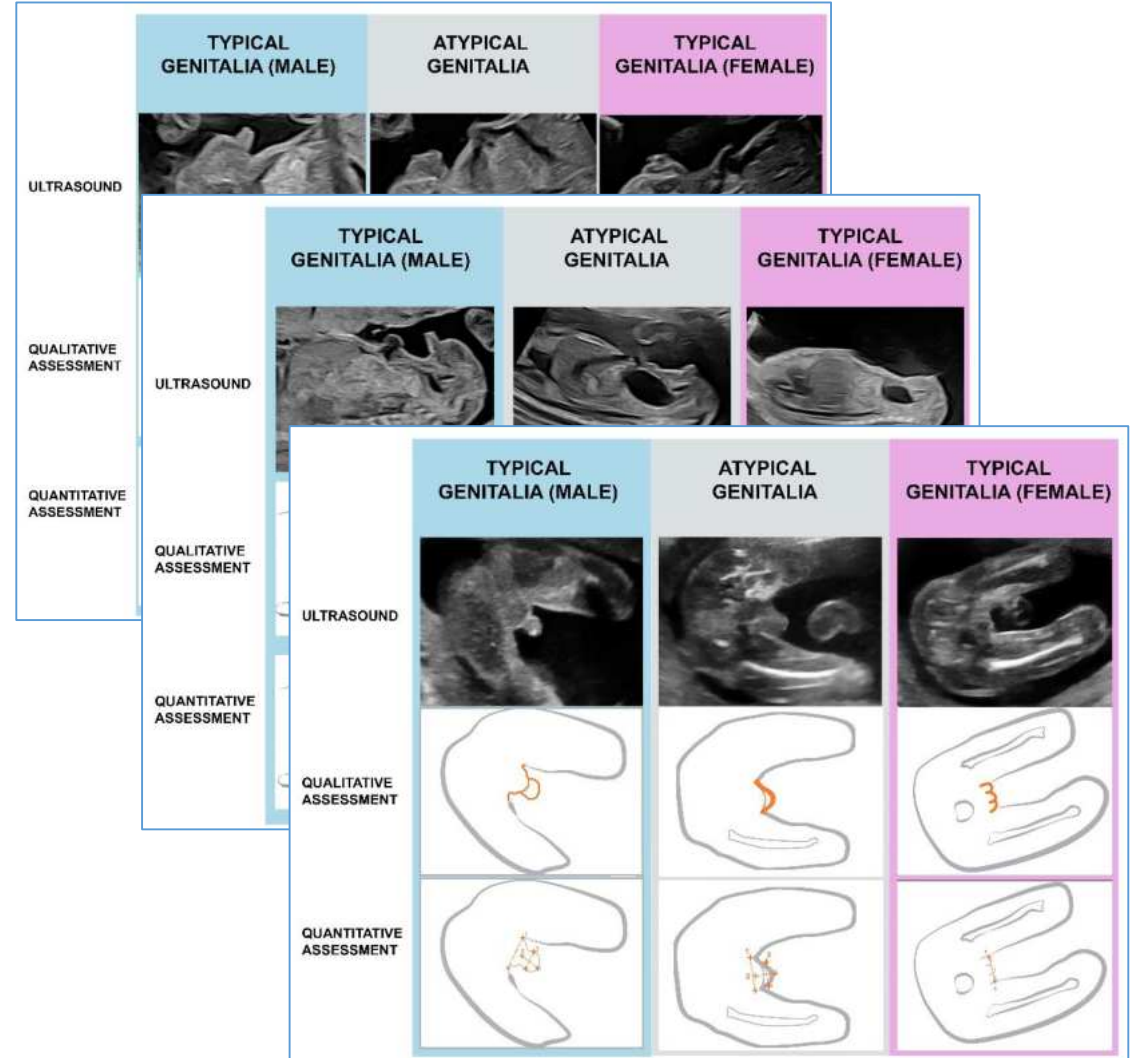
Ultrasound Obstet Gynecol 2024



GUIDELINES

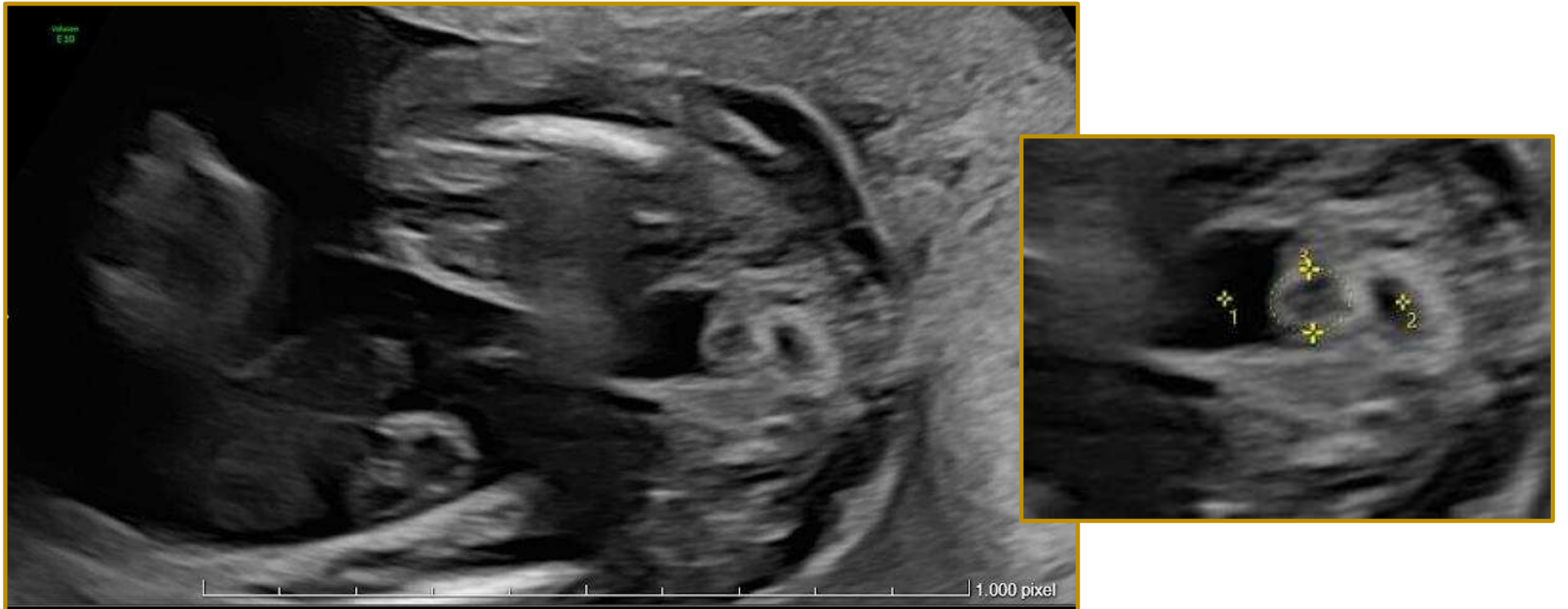
ISUOG Practice Guidelines (updated): performance of the
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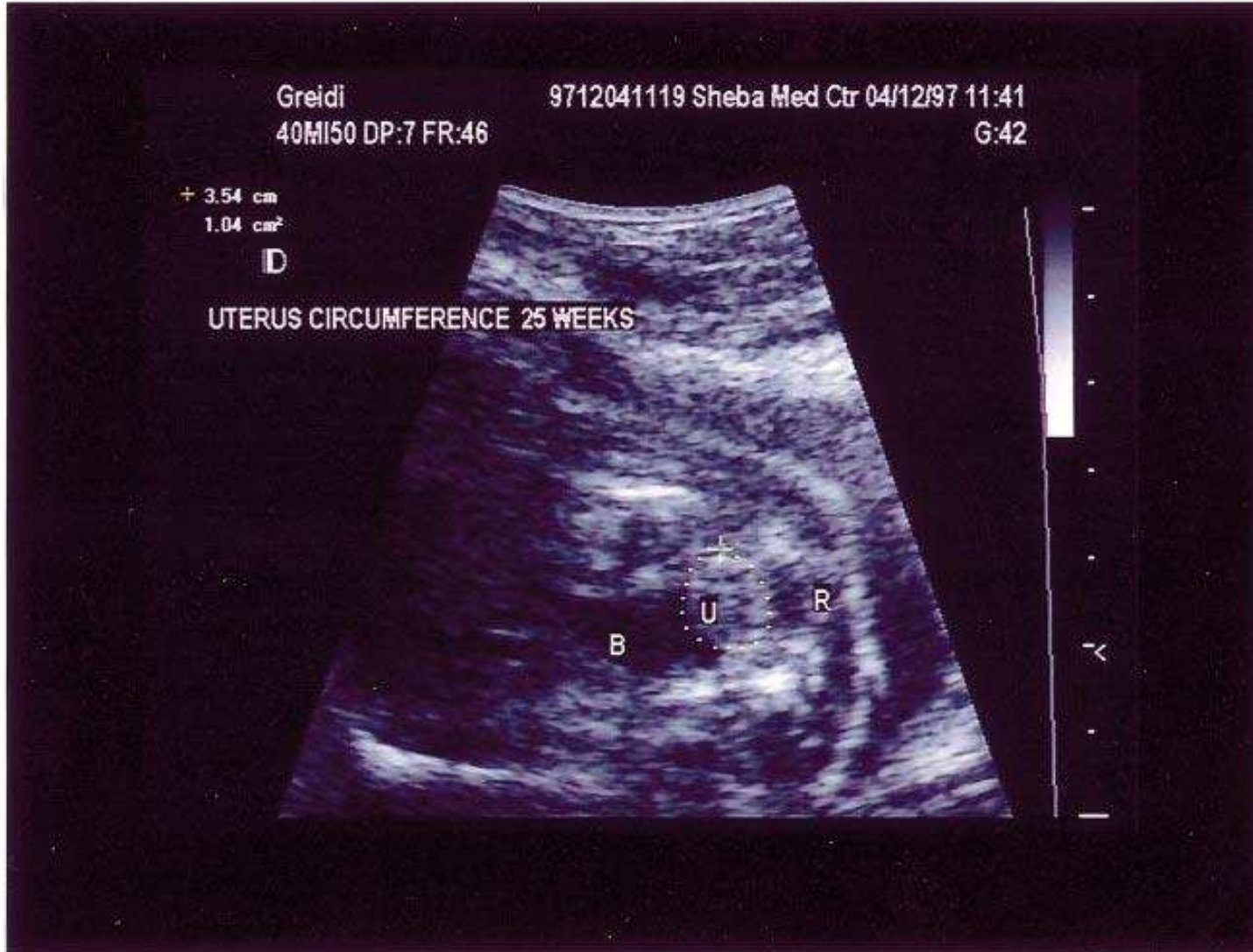


Diagnóstico prenatal y postnatal de ADS

Mid-Trimester Ultrasound Assessment of Female Internal Genitalia: Uterus, Vagina, and Indirect Signs



Diagnóstico prenatal y postnatal de ADS



SORIANO 1999

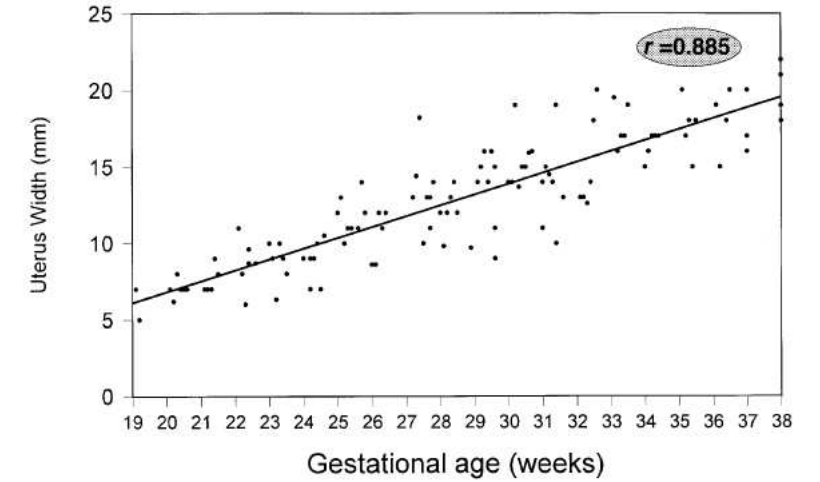
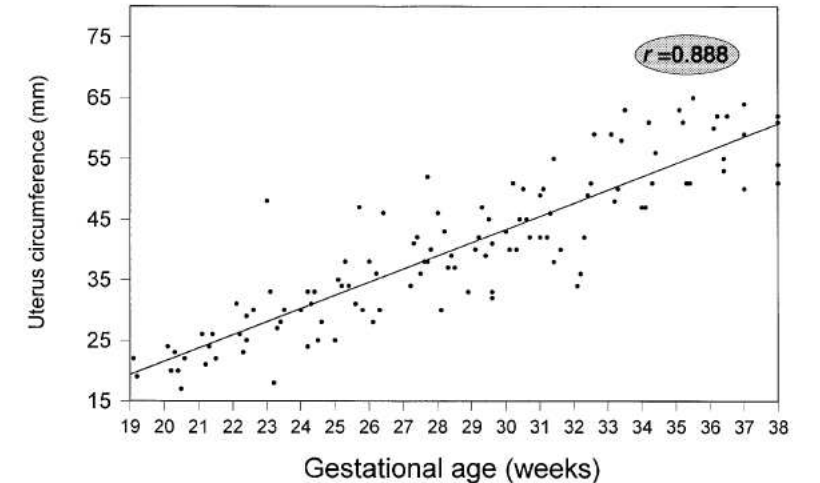
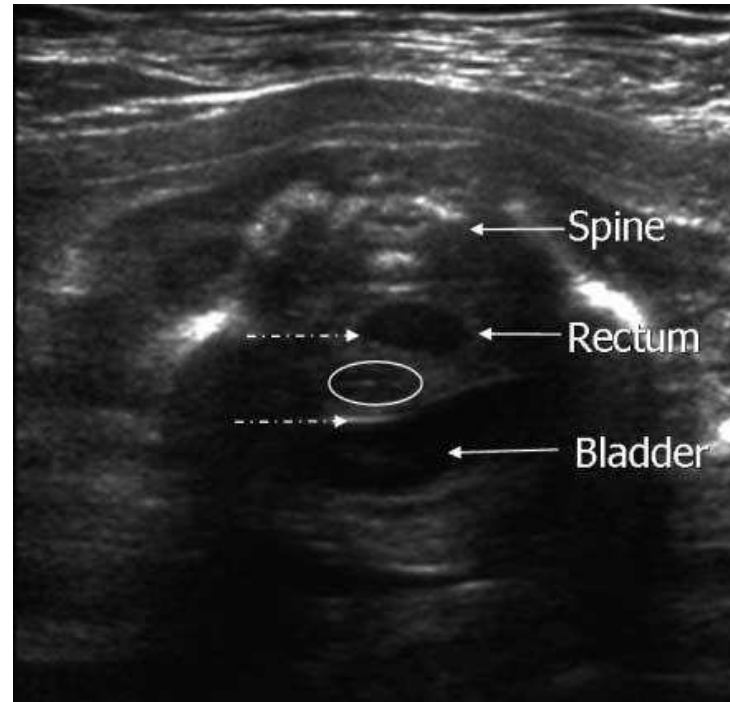
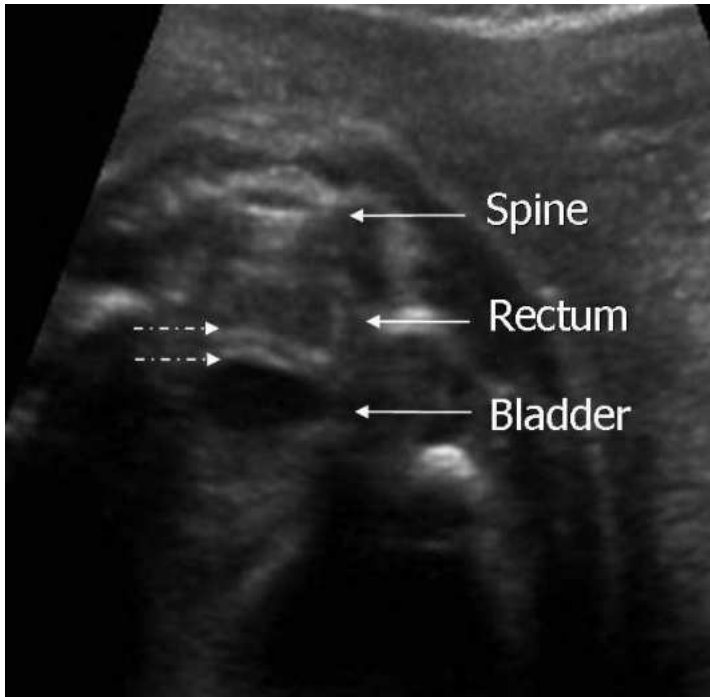


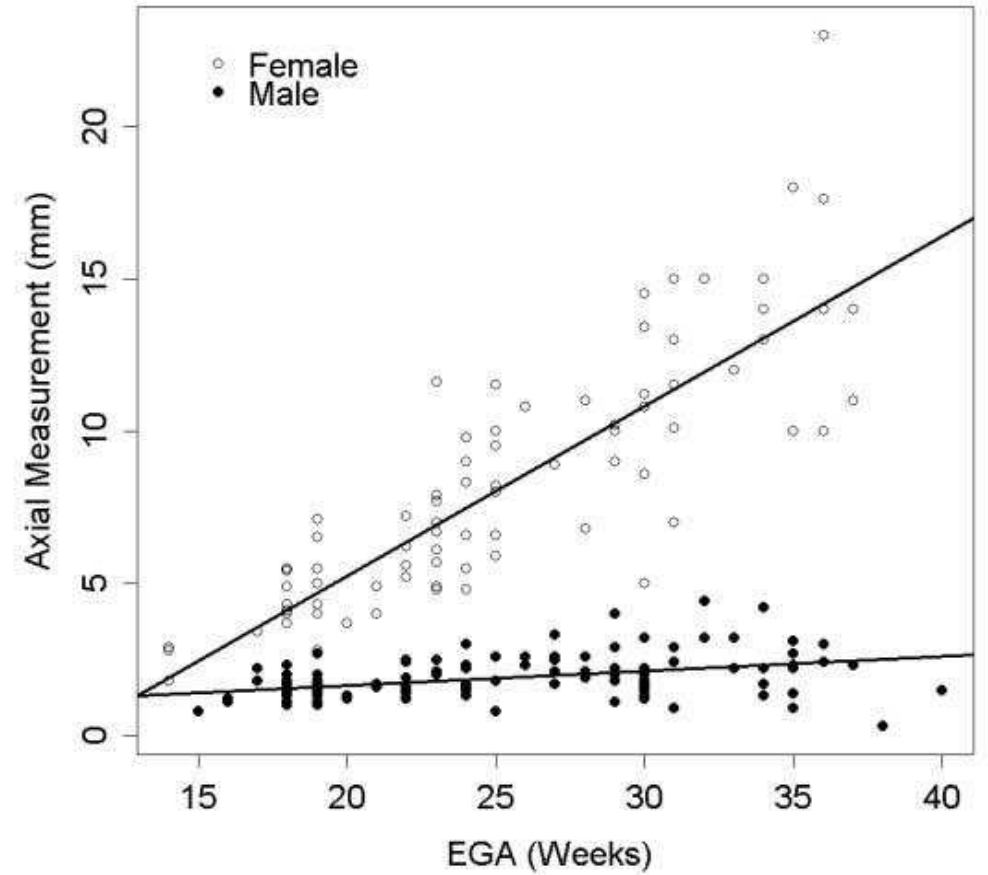
Figure 2. Individual scatter plot showing the relationship between the uterus width in millimetres and gestational age of 140 normal fetuses.



Diagnóstico prenatal y postnatal de ADS

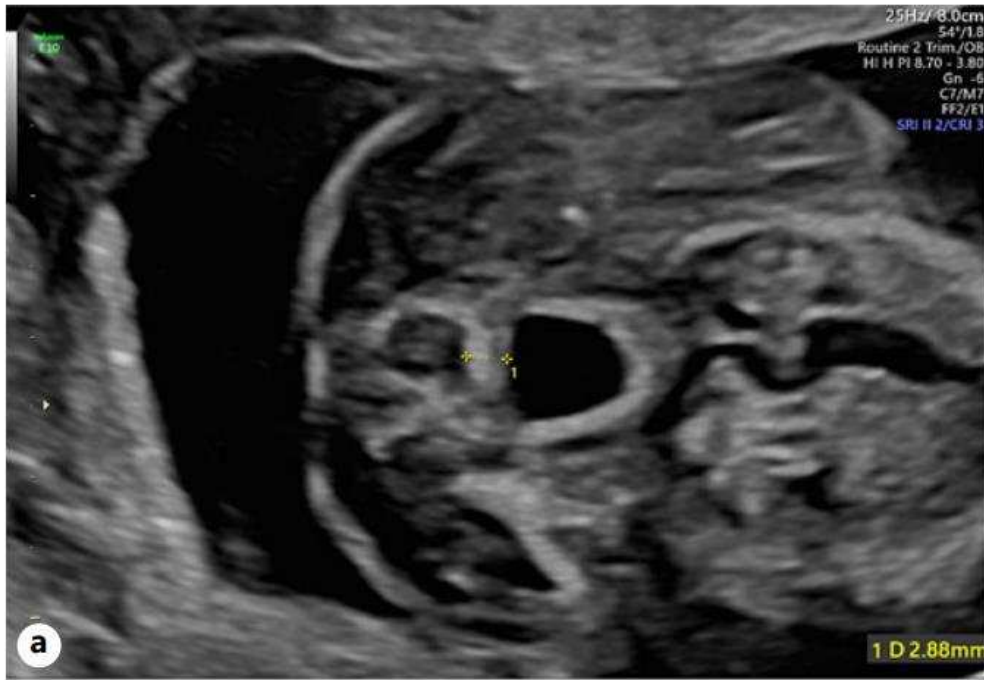


GLANC 2007



Diagnóstico prenatal y postnatal de ADS

Sonographic Assessment of Fetal Sex: More than External Genitalia



SMET 2023

Diagnóstico prenatal y postnatal de ADS

Prenatal visualization of the fetal uterus in routine 2D ultrasound examination

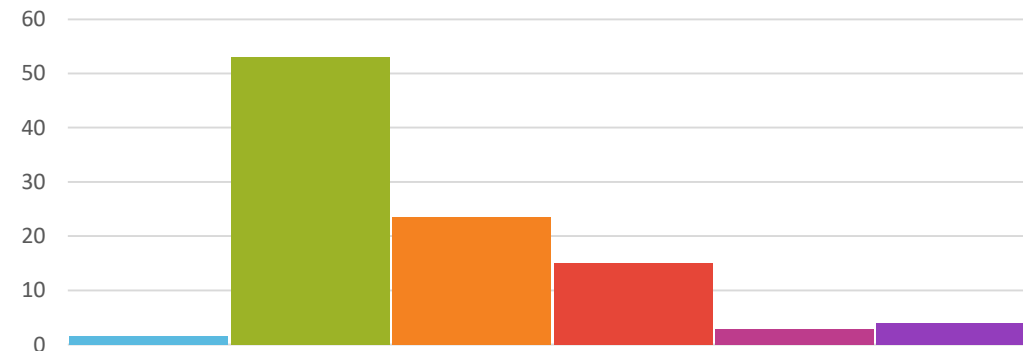
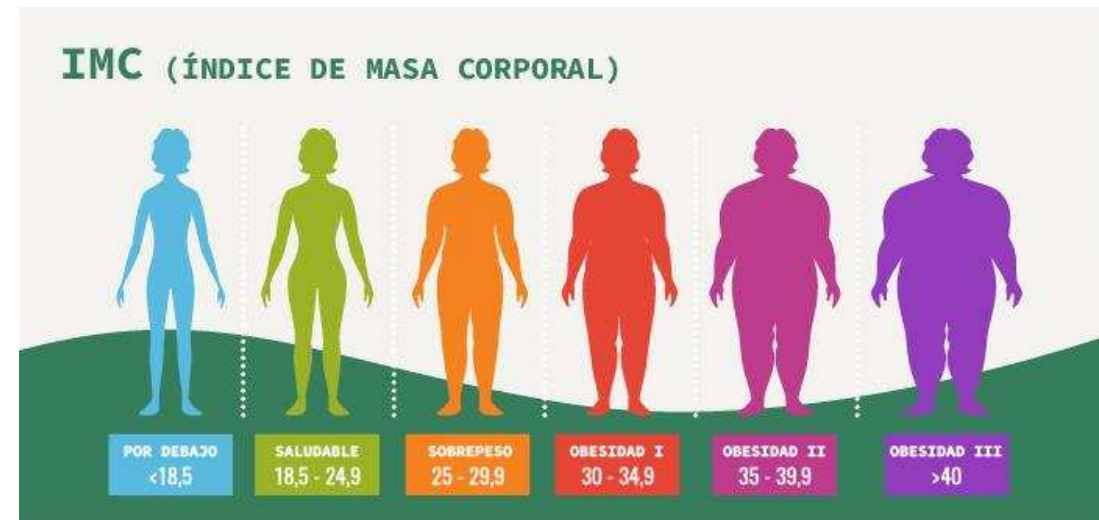
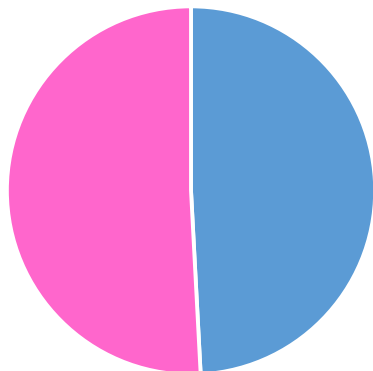


AZUMENDI 2025

Diagnóstico prenatal y postnatal de ADS

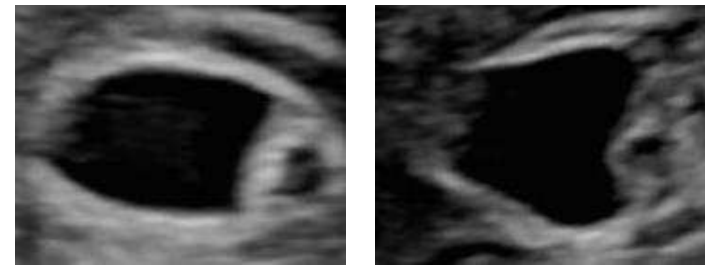
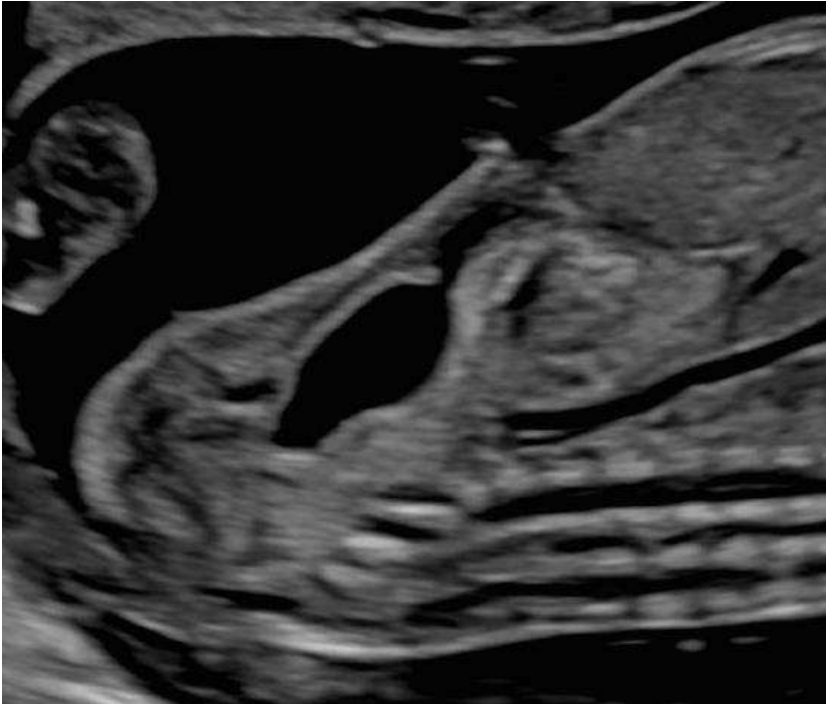
Mid-Trimester Ultrasound Assessment of Female Internal Genitalia: Uterus, Vagina, and Indirect Signs

Datos demográficos
N: 358 fetos (176M/182F)
EG media: 20.5 SG (17.3 – 24.4)
PFE medio: 357g (238 – 711)
Edad media: 31a (18 – 46)
IMC medio: 26,07 kg/m ² (17 – 55)



Diagnóstico prenatal y postnatal de ADS

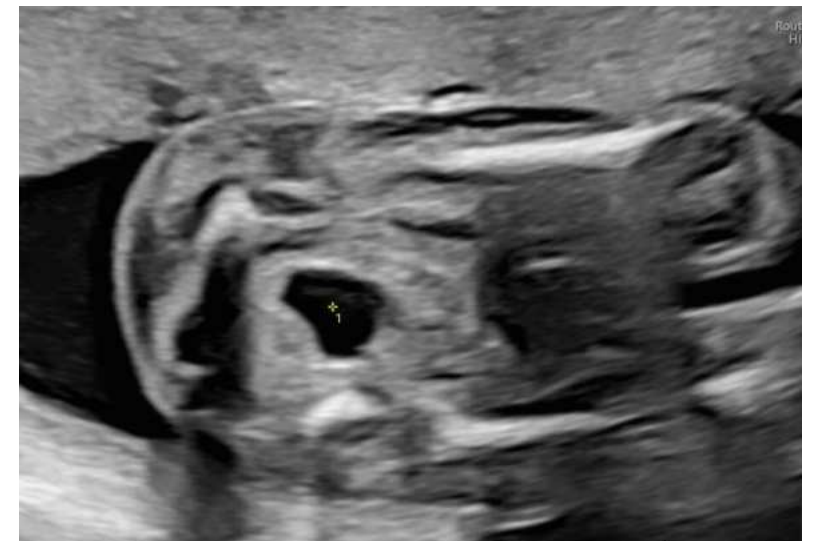
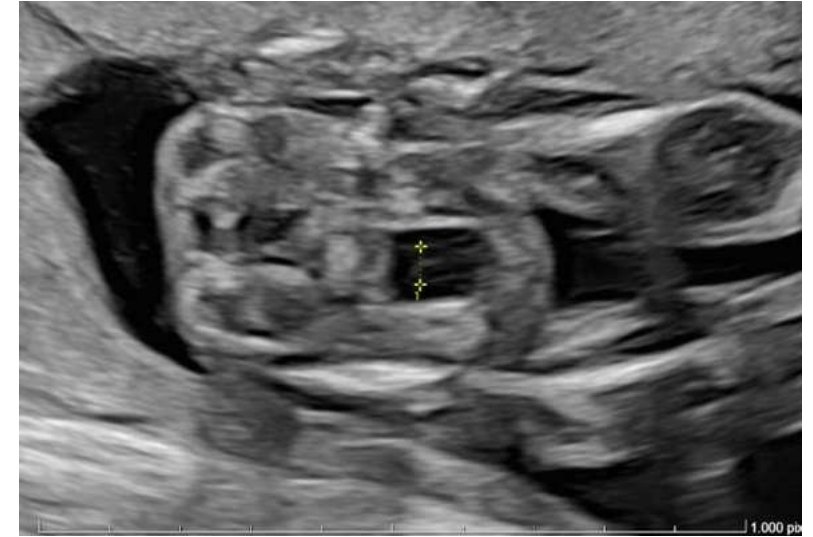
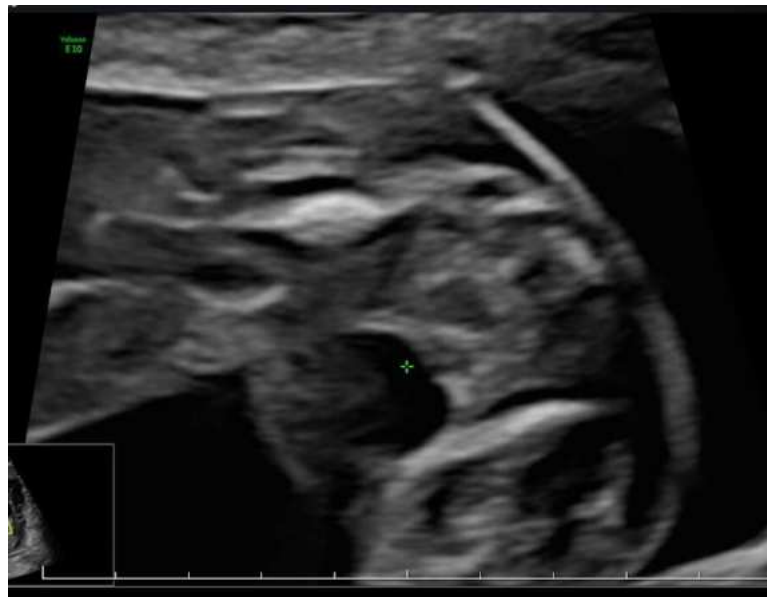
Mid-Trimester Ultrasound Assessment of Female Internal Genitalia: Uterus, Vagina, and Indirect Signs



	PLANA	CÓNCAVA	
NIÑO	168	8	95,45%
NIÑA	34	148	81,32%
	83,17%	94,87%	

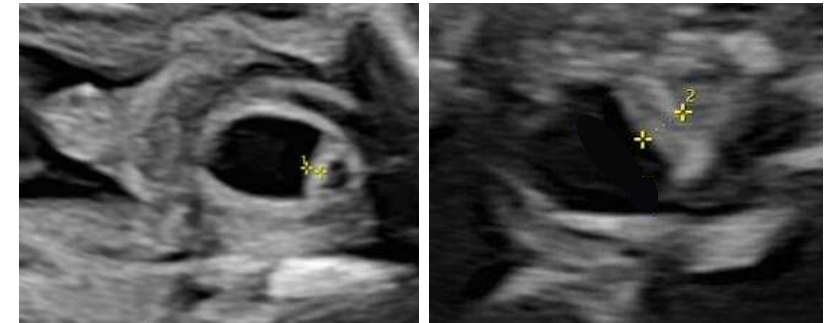
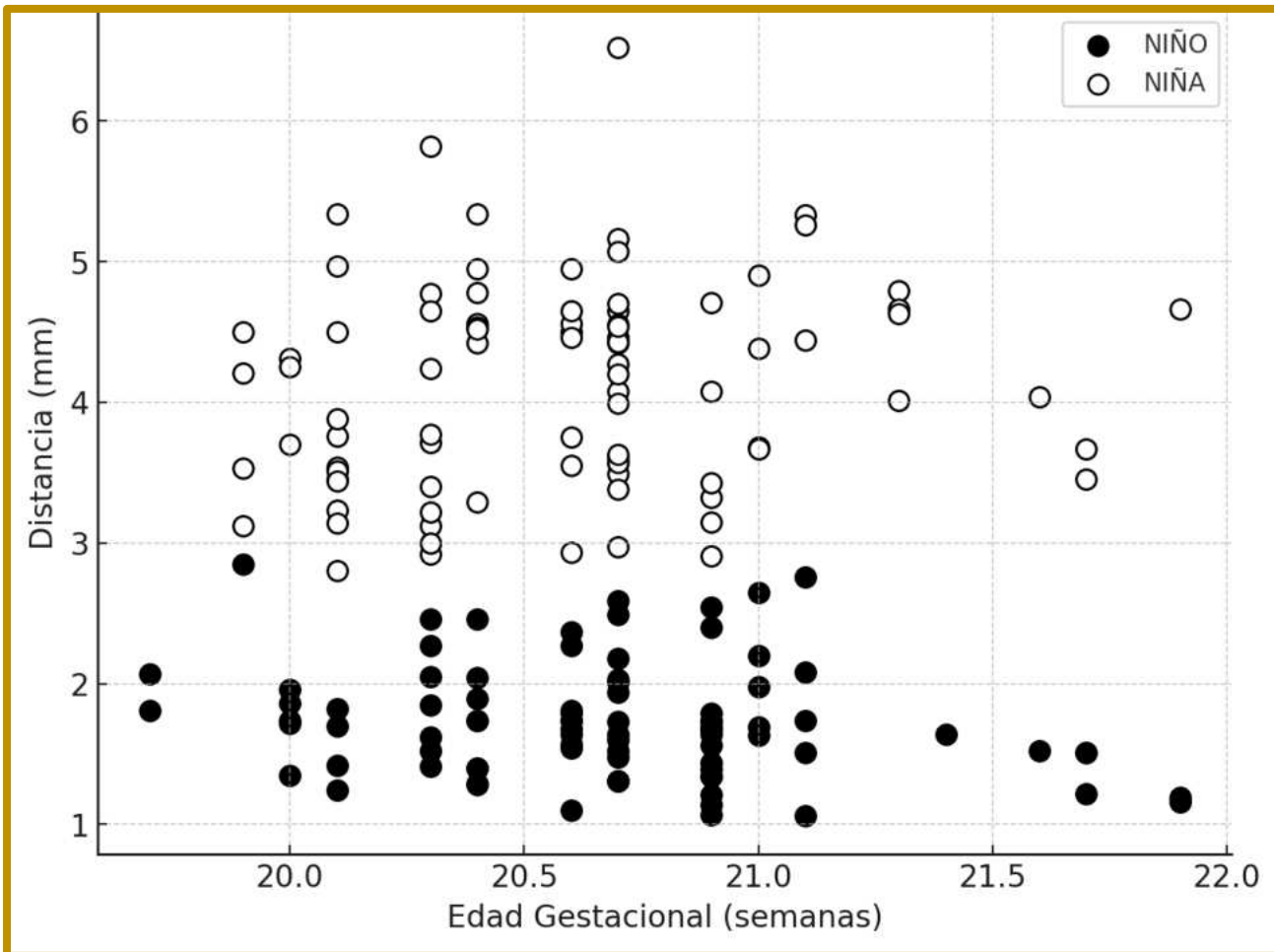
Diagnóstico prenatal y postnatal de ADS

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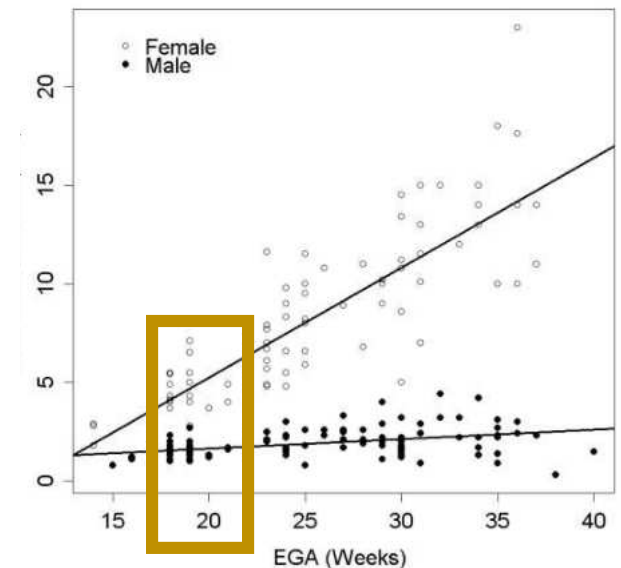


Diagnóstico prenatal y postnatal de ADS

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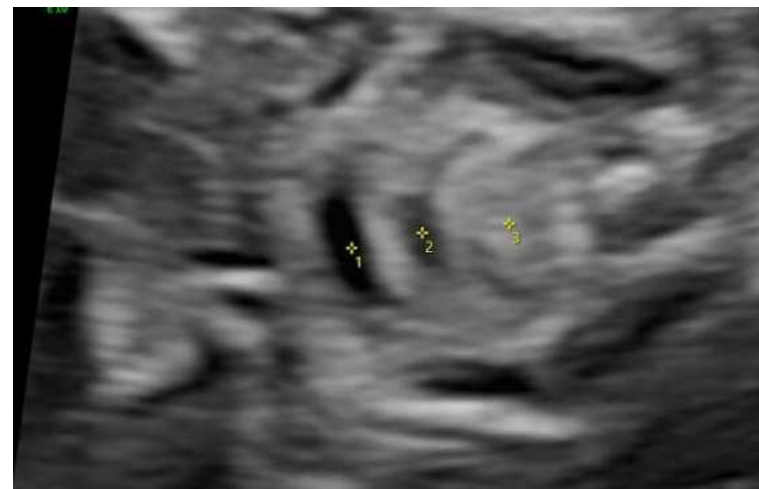


NIÑO	1,73mm (1,06 – 2,85)
NIÑA	4,06mm (2,33 – 7,05)



Diagnóstico prenatal y postnatal de ADS

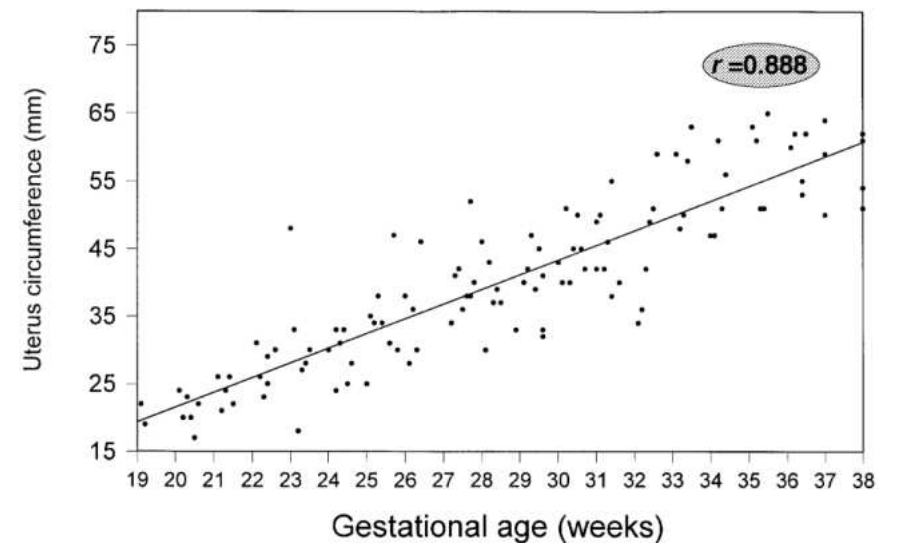
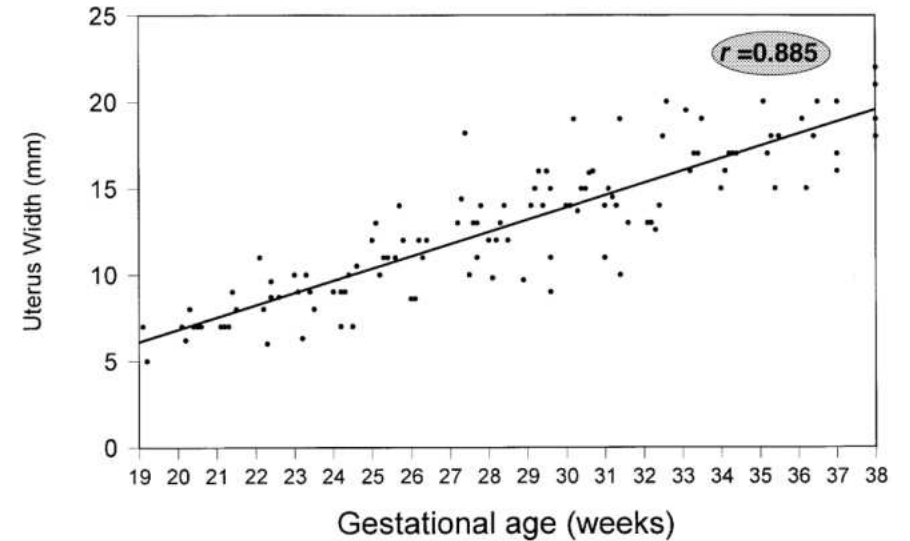
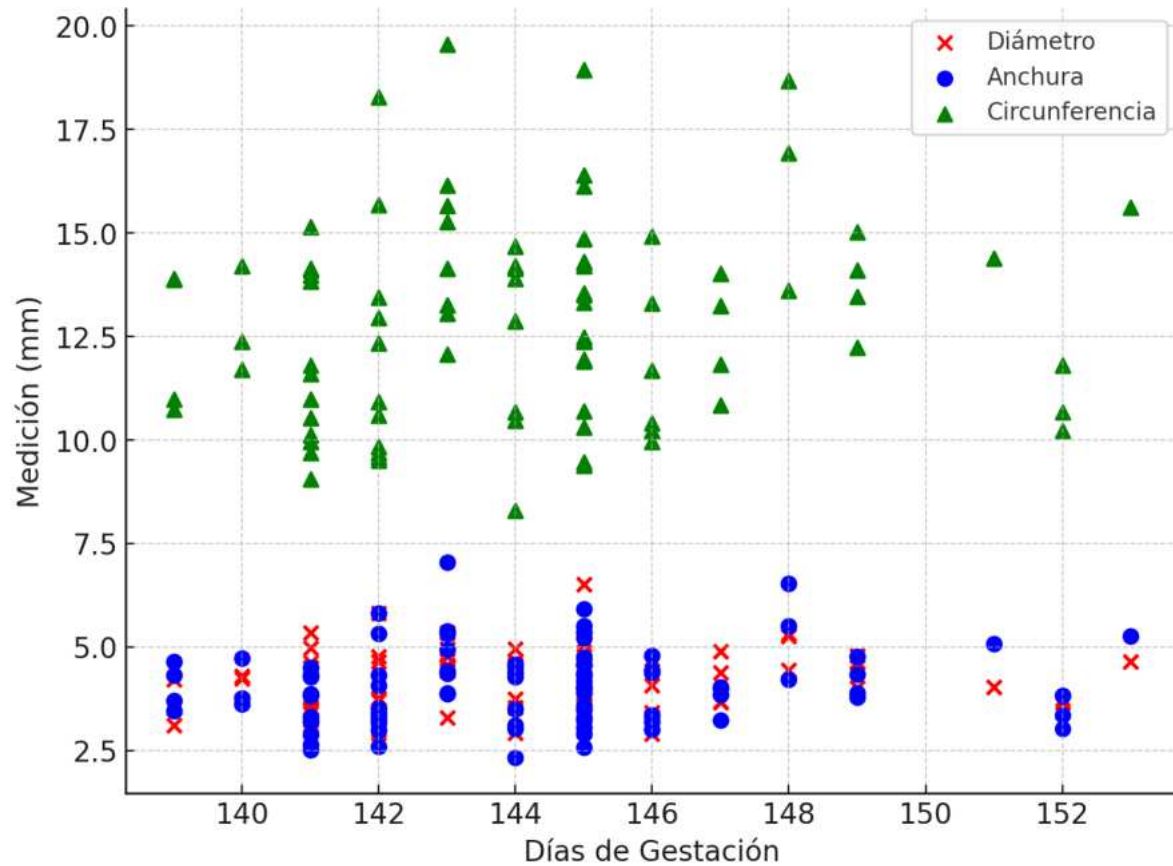
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	CARTAGENA 2025	SORIANO 1999	JOUANNIC 2006	SMET 2023
ÚTERO	96,7%	77,8% (19 – 38SG)	45/85% 2D/VCI (20 – 22SG) 82/97% 2D/VCI (32 – 34SG)	36% (20 – 22SG) ≈100% (>24SG)
VAGINA	85,7%			≈100%

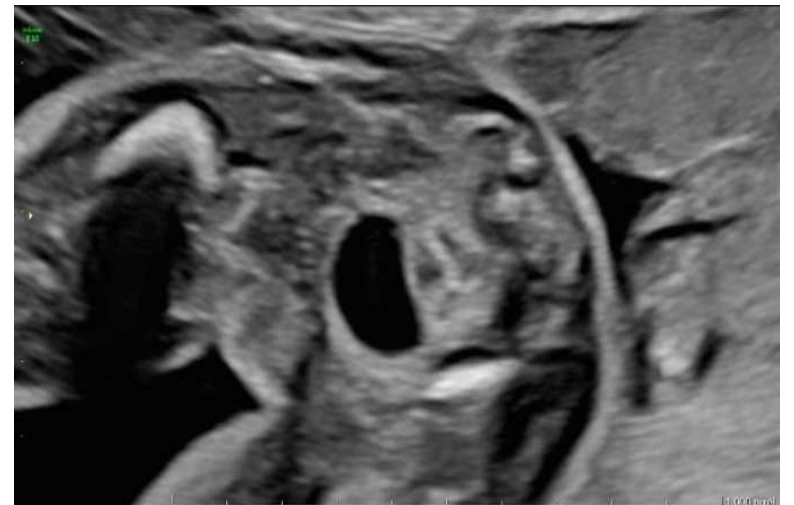
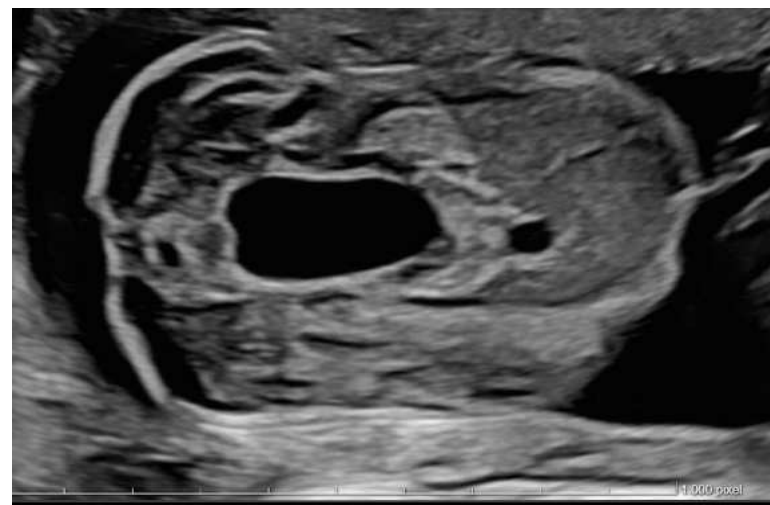
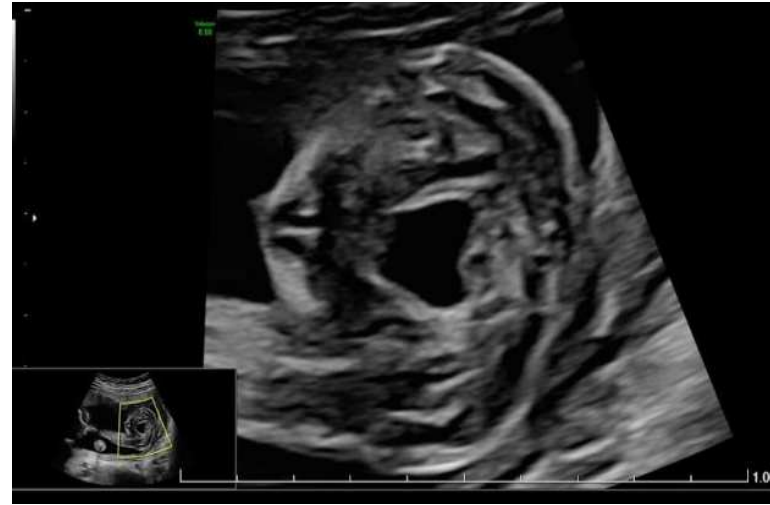
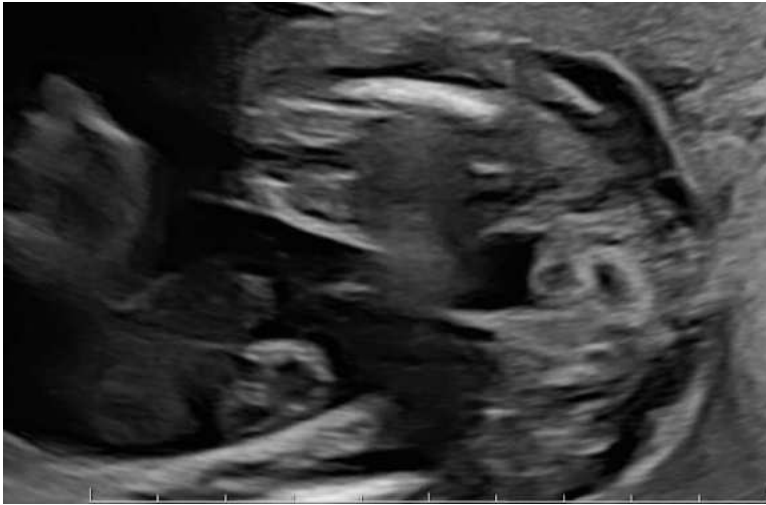
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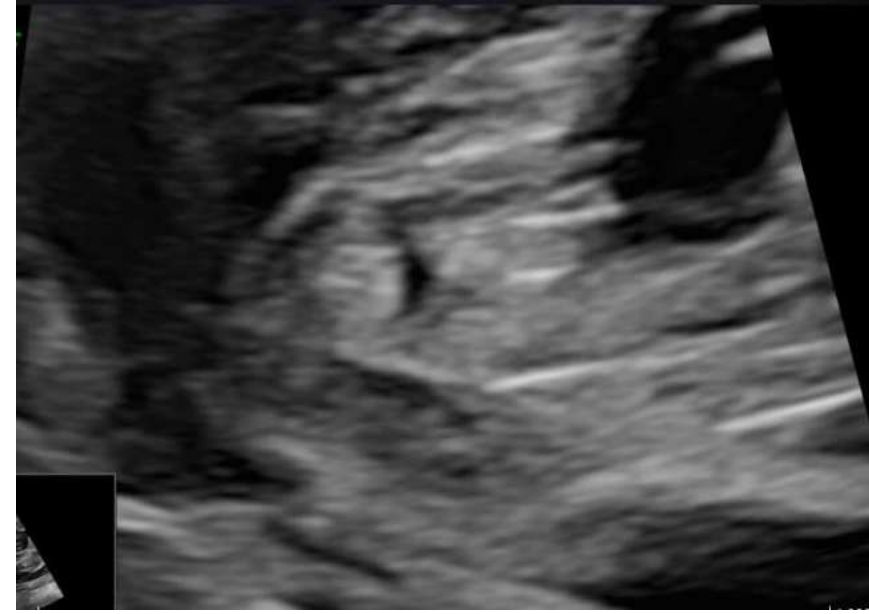
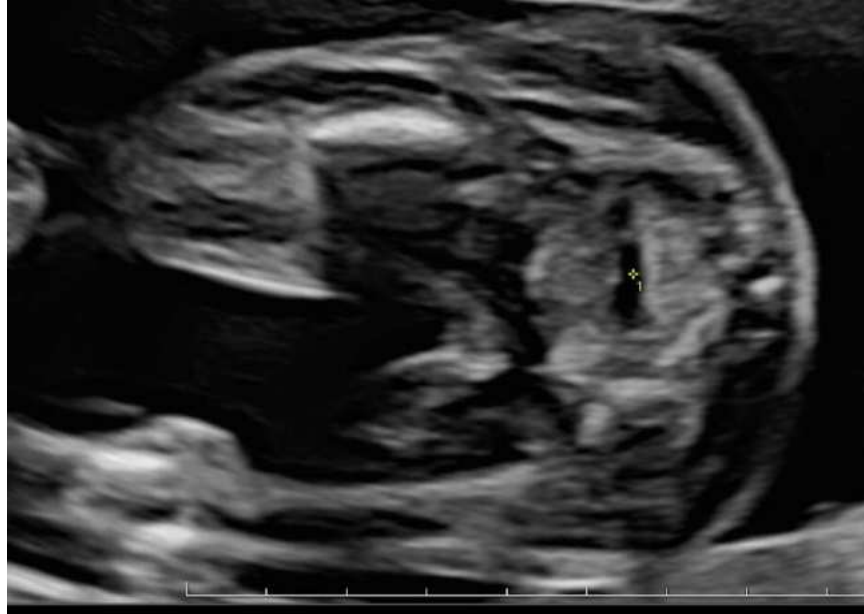
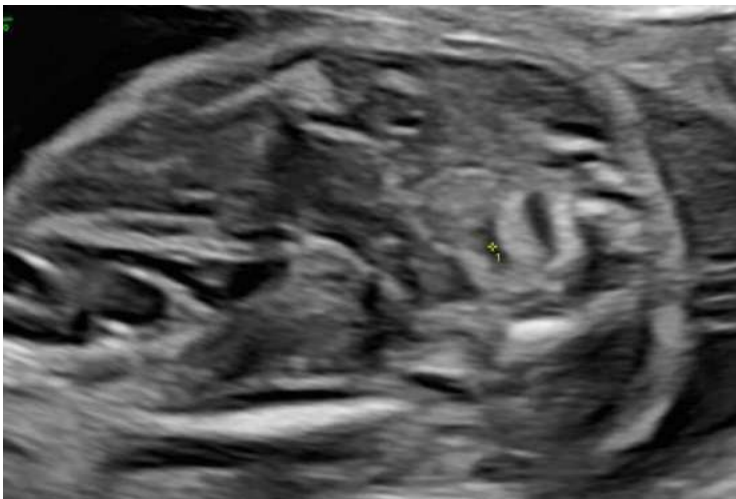
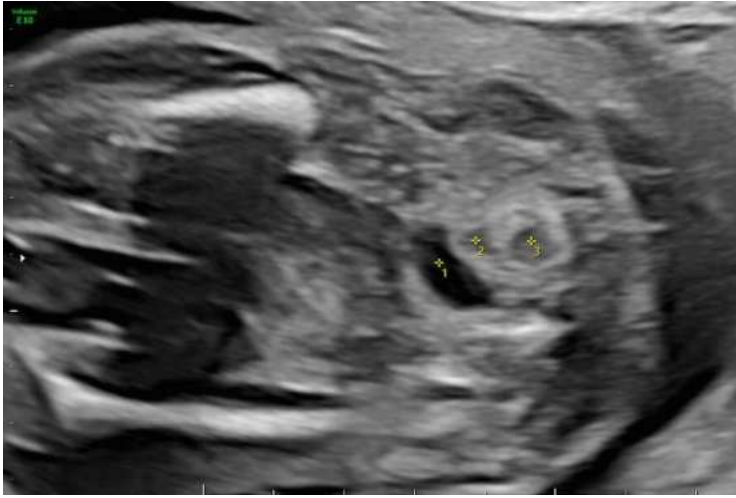
Diagnóstico prenatal y postnatal de ADS

Mid-Trimester Ultrasound Assessment of Female Internal Genitalia: Uterus, Vagina, and Indirect Signs



Diagnóstico prenatal y postnatal de ADS

Mid-Trimester Ultrasound Assessment of Female Internal Genitalia: Uterus, Vagina, and Indirect Signs

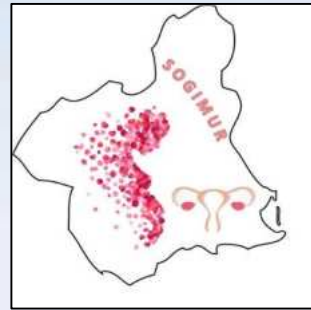


Conclusiones



XXXIII REUNION

**SOCIEDAD DE OBSTETRICIA Y
GINECOLOGIA DE LA REGION DE
MURCIA**



ANOMALÍAS DEL DESARROLLO SEXUAL (ADS)

DIAGNÓSTICO PRE Y POSTNATAL

