

Type	Component	Issue ID	Description
New Feature	Charts	AST-6652	For the Uterine artery mean PI, Umbilical artery PI, Middle cerebral artery PI and Cerebro-placental ratio astraia includes growth charts on the Doppler screen based on Rizzo G, Pietrolucci ME, Mappa I, Bitsadze V, Khizroeva J, Makatsariya A, D'Antonio F: Modeling Pulsatility Index nomograms from different maternal and fetal vessels by quantile regression at 24–40 weeks of gestation: a prospective cross-sectional study. J Matern Fetal Neonatal Med 2020.
Improvement	Risk Module	AST-6640	The FMF2018 algorithm included improved MoM calculations for biochemical and biophysical markers and a new preeclampsia risk. There were no updates to the DBS parameters, and these have therefore been excluded from the specifications. The FMF2012 specifications continue to apply to DBS MoMs and are now made available for the calculation of trisomy risks.
Improvement	Risk Module	AST-4644	The cut-off values for trisomy 13 and trisomy 18 were not highlighted separately in the risk calculation, although the option “combined risks only” was not selected for Tr13+18 in Options - FMF risks. With the changes now made, the risks of trisomy 13 and trisomy 18 become bold independently of each other, depending on the cut-off value.
Improvement	Risk Module	AST-7194	The functionality in the first trimester risk calculation has been improved to ensure the following: <ul style="list-style-type: none"> - Ultrasound markers (NT, ductus venosus PI, nasal bone, tricuspid flow, and fetal heart rate) are included in the risk only when the CRL is in the range of 45-84. - Ultrasound markers (nasal bone, tricuspid flow) are included in the risk only when ethnicity is reported. - Ultrasound markers (ductus venosus PI, nasal bone, tricuspid flow and fetal heart rate) are not used in the risk in the absence of nuchal translucency.

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Improvement	Data entry screen, Risk Module	AST-5848, AST-6497	In astraia the risk cannot be recalculated if the risk version of the current astraia version does not match the risk version when that risk was calculated. Yet it was possible to edit the data on the screens and the application allowed to save the data even though the risks could not be recalculated. This behaviour has been improved now to prevent modifying data in First trimester and PE Screening when the risk version is outdated and therefore keep the data consistent with the risks calculated.
Improvement	Data entry screens	ASTMED-7	New fields BS (Brain stem diameter), BSOB (Brain stem to occipital bone diameter) and BS / BSOB (Brainstem/ Brainstem to occipital bone ratio) are now available on the screen First Trimester - Ultrasound.
Improvement	Data entry screens	AST-7084	The list field 'Urinary pregnancy test' on the Early Pregnancy screen and the checkbox 'Maternal Blood - Pregnancy test - Result' checkbox on the Maternal Assessment screen shared the same database field, which may have resulted in data inconsistencies. This has now been improved by giving a new database name to the Maternal Assessment 'Result' checkbox. The data already filled in for an existing case would still be displayed.
Improvement	Data entry screens	ASTMED-3	Precision increased by 1 decimal for the Anterior wall thickness and Posterior wall thickness fields on the Pregnancy-Uterus screen, section Myometrium.
Improvement	Data entry screens	ASTMED-14	The PIGF field on screen First Trimester-Biochemistry, section MoM values from a previous normal pregnancy was not used as this is not specified in the FMF2012 specifications. This field has been removed to avoid user confusion.
Improvement	Data entry screens/ Screen Configuration	AST-7167	An alternate screen for Patient Visit information is now available on the screen Examination in the Breast screening module, similar to the screen already available in the Obstetrics / Gynaecology / Colposcopy modules.
Improvement	Printout/PDF/ Email	ASTMED-9	The fields TAD and BPD/TAD are now displayed on the First Trimester Screening Report.

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Improvement	Measurement Data Transfer	ASTMS-51	astraia used the DICOM standard tag (0008,0104) 'code meaning' when transferring measurements, which contains a human-readable description. This has been improved to use the tag 'code value' (0008,0100) which contains the actual code expected. This would be the default behaviour from now on. If the old behaviour is desired, please contact the support-team to configure it.
Bug	Data entry screen	AST-6991	On the input screen for the adnexal masses, the unit for CA-125 is IU/ml. However, in the RMI results screen, the unit for CA-125 was shown as IU/L without conversion. The unit is now corrected to IU/ml in the RMI results screen.
Bug	Data entry screen	AST-7037	On the Gynaecological - Uterus screen, the Cervix heading does not appear on the printout if only morphology information is entered. This has now been fixed.
Bug	Data entry screen	AST-7055	When calculating risks with the patient-specific screening options enabled, unexpected behaviour was seen when following some workflows. This has been now fixed.
Bug	Data entry screen	AST-7230	If ultrasound was performed on twins and one of the fetuses had no heartbeat, astraia would not allow risk calculation if it was fetus A. The data had to be changed from fetus A to fetus B to allow for risk calculation. This is now fixed.
Bug	Data entry screen	ASTMED-17	On the screen Indication → Mother → Maternal Antibodies → Platelet, the option 'HPA-5b (BR-a, Zav-a)' covered the checkbox for 'HPA-15a (Gov-b)' in some languages. This is now fixed.
Bug	Data entry screen	AST-7062	The Counsellor codes (Dutch screens) on screen Ultrasound did not work properly when the code was longer than 8 digits or had a leading 0. This is now fixed.
Bug	Data entry screen	AST-7166	Under certain conditions, the Visit Number field (Besuchsnummer in German) in the Patient lookup appeared with a zero width. This made it impossible to enter or display text in the field. This has now been fixed.

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Bug	Data entry screen	AST-7209	Under certain conditions, the indication data was not transferred from the previous examination to the new examination, even when the option to transfer the indication was selected. This has now been fixed.
Bug	Data entry screen	ASTMED-13	Precision for field Length on the screen Obstetric History - Previous Pregnancy has been corrected to xx.x from xxx.x. An old unlikely value of xxx.x would be truncated to xx.x after an update.
Bug	Data entry screen	AST-7235	The total score on the alternative screen Fetal Assessment - Biophysical Profile - MSH-BPF was not displayed in version 1.27.x unless the screen was refreshed. Functionality works as expected in version 29.0.
Bug	Data entry screen	AST-7077	When assigning an operator to a department, not all entries of the 'Department' list were displayed if the list exceeded the window size. This has now been fixed by adding a scroll bar to the 'Department' list.
Bug	Data entry screen	AST-7323	The 'additional comments' field on the Conclusion-Diagnosis screen was assigned to the wrong database table. This resulted in the comments not being displayed under certain circumstances. This has now been fixed.
Bug	Data entry screen, Risk Module	AST-7120	The 2nd trimester risks calculated on the Counselling - 2nd Trimester Risk screen were no longer displayed after risks were calculated on PE screening. This has now been fixed.
Bug	Data entry screen, Risk module	AST-6113	When selecting the "MoM values from a previous normal pregnancy" option on the Biochemistry screen, MoMs were taken from the first pregnancy rather than the previous pregnancy. This has now been fixed.
Bug	Data entry screen, Risk Module	AST-6450	Under certain conditions, the focus jumps to an earlier examination after a message / information window appears. This has been now fixed.
Bug	Data entry screen, Risk Module	AST-7135	Cyrillic letters were not displayed correctly on the Cervical assessment screen when using the Postgres database. The encoding has now been fixed.

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Bug	Data entry screen, Options	AST-6878	The characters in the FMF operator were not displayed correctly in some languages (e.g. Polish and Russian). This has now been fixed.
Bug	Data entry screen, Reports	AST-7041	The text in the Progress Note field (screen Delivery - Medication) was not completely and correctly displayed on the second page of the report if the text was longer than 4500 characters. This has now been fixed.
Bug	Risk Module	AST-7311	It should be possible to recalculate MoMs when updating a patient record with calculated MoMs but no calculated risks in an older risk version to a higher risk version. This behaviour was broken and has now been fixed.
Bug	Printout/PDF/Email	AST-5909	Risk methodology text for the first trimester was printed (and previewed) with overlapping text when certain fonts were selected. This has now been fixed with the use of Java 8 in astraia.
Bug	Charts, Properties	AST-6651	When changing chart settings with a non-administrator user, the properties System.Charts.DeltaTips and System.Charts.GB were set to -1 and 0, respectively, which resulted in no z-score tooltips being shown and growth bars changing from chart settings to 2SDs. This has now been fixed.
Bug	Patient Lookup	AST-7065	The referring doctor was not displayed in the patient lookup when searching for a patient if no 'name' was entered in the details of the referring doctor. This affected MS SQL and Postgres databases and has now been fixed.
Bug	Patient Lookup	AST-7061	When searching for a patient by name in the astraia lookup, some languages, e.g. Greek, were case-sensitive when using the Postgres database. This has now been fixed.
Bug	Statistic module	AST-7079	It was not possible to create queries on lookup tables if they were supported by a list field. This has now been fixed.
Bug	Database	AST-6781	Certain conditions caused the property table to be reset unintentionally, resulting in loss of configured settings. This has now been fixed.
Bug	Printout/PDF/Email	AST-6787	Barcode 'code128' was not created correctly in Astraia. This is now fixed.

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Bug	Reporter, Export/Import settings functionality	AST-7106	It was not possible to import reporter settings from one astraia system to another. This has now been fixed.
Bug	Export/Import settings functionality	AST-7071	It was not possible to import chart settings when using the Postgres database. This has now been fixed.
Bug	Audit	AST-6679	The warning: "The recommended minimum of 500 MoM values is not being met" was displayed on the MoM adjustment window, even when we already had more than 500 patients. This has been now fixed.
Bug	Audit trail, Query Module	AST-7291	When opening a patient record with twin fetuses from the Audit trail or Query module, only 1 fetus was displayed. This has been now fixed.
Bug	Options, Worklist	AST-7010	A bug prevented changing the default AE title for the Worklist Service. This has now been fixed by not allowing the port and AET to be specified on the client. The "other" entry option from the "DICOM worklist type" configuration has also been removed.
Bug	Lab interfaces	AST-7103	With the astraia - Lifecycle interface, it is expected that once the biochemistry concentration and MoMs have been transferred to astraia, astraia will use those transferred MoMs to calculate risks. A bug introduced in 1.26.0 changed this expected behaviour. Instead, astraia ignored the Lifecycle MoMs, recalculated the MoMs based on the biochemistry concentration, and used the astraia calculated MoMs in the risks. This has now been fixed. Note: UTPI and the MAP MoMs are not calculated if the System.LifeCycle.DataTransfer property is set to 1. This will be addressed in one of the next releases.
Bug	Administrative patient data handling	AST-7191	An additional/duplicate examination was created when using Worklist - autopush together with importing patient data from visit/order patient lookup. This has now been fixed.
Bug	Auto-Image Import	AST-6982	A bug in the Autoimage import with 'icon Print' caused the .id file to be deleted after importing the first image, without importing all images. This has now been fixed.

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Bug	Measurement Data Transfer	AST-7150	From astraia version 1.27.0 the item mode (<!ATTLIST item mode (last max first min mean) "last">) of the DICOM SR measurement transfer is no longer taken into account (except for the mode 'mean') and instead 'last' is always used as the default. This has now been fixed. Note: The supported mode values are (last max first min mean). The mode value is case-sensitive. If uppercase or non-supported values are specified, "last" is used as the default.
Bug	Measurement Data Transfer	ASTMS-47	A factor that was introduced in the SR_Measurement.xml caused the measurements to be not transferred into Astraia. This bug has been fixed by removing the factor. Also the rounding effect on unit conversion has been fixed.
Bug	Measurement Data Transfer	ASTMS-54, ASTMS-55	An error caused certain measurements (CRL, AC, BPD, FL and HC) of the second fetus to not be transmitted to Astraia when performing an ultrasound of twins. This has now been fixed.
Bug	Measurement Data Transfer	AST-7038	An error caused the measurements for twins not to be imported into Astraia if in this case the measurement for only one fetus was sent first and then the measurements for both fetuses. This has now been fixed.