

# European Network for the Study of Adrenal Tumors Center of Excellence

## Checklist for certification

Centers applying for initial certification should fill in data for the calendar year before application – If these data are not available – the starting point for data collection is the day of enrolment into the CoE program.

Centers applying for re-certification fill in data of the last calendar year (all key figures, not only annual data).

### 1. General Requirements

Center is registered as part of the ENSAT registry (approved by the local ethics committee)	<input type="checkbox"/> yes <input type="checkbox"/> no
A minimum of 150 patients in the ENS@T registry is provided.	<input type="checkbox"/> yes <input type="checkbox"/> no number: _____
Infrastructure for biobanking is established (freezer, informed consent ...)	<input type="checkbox"/> yes <input type="checkbox"/> no

## 2. ENS@T Center of Excellence for Adrenocortical Carcinoma

Application for ACC CoE?	<input type="checkbox"/> yes <input type="checkbox"/> no
If yes, new Application?	<input type="checkbox"/> yes <input type="checkbox"/> no
If no, date of first accreditation?	

1. Total number of patients (new and follow-up) per year (average of 3 years) seen in the center: $\geq 10$ patients with proven adrenocortical carcinoma (ACC) as documented in the ENS@T registry	<input type="checkbox"/> yes <input type="checkbox"/> no number:
2. Current survival status (within the last 12 months) of at least 80% of patients diagnosed in the last 3 years	<input type="checkbox"/> yes <input type="checkbox"/> no
3. Mean clinical annotation (defined in the ENS@T registry) per patients: $\geq 5$	<input type="checkbox"/> yes <input type="checkbox"/> no number:
4. A minimum of 30 different biosamples (e.g. tumor, blood, urine...) suitable and available for ENSAT research project	<input type="checkbox"/> yes <input type="checkbox"/> no number:
Required board-certified medical specialties (signatures provided)	
Endocrinologist	<input type="checkbox"/> yes <input type="checkbox"/> no
Oncologist / radiation oncologist	<input type="checkbox"/> yes <input type="checkbox"/> no
Surgical team experienced in endocrine oncology / adrenal surgery	<input type="checkbox"/> yes <input type="checkbox"/> no
Radiologist / nuclear medicine physician	<input type="checkbox"/> yes <input type="checkbox"/> no
Pathologist with adrenal expertise (possible as established collaboration outside the center)	<input type="checkbox"/> yes <input type="checkbox"/> no
Structural and technical requirements	
- Multidisciplinary team meetings, in all disciplines mentioned above, at least twice per month	<input type="checkbox"/> yes <input type="checkbox"/> no schedule: .....
- Center specific standard-operating procedures for the management of patients with ACC (adapting the most recent ESE-ENS@T guidelines)	<input type="checkbox"/> yes <input type="checkbox"/> no .....
	<input type="checkbox"/> yes <input type="checkbox"/> no

<p>- Facilities to review and manage patients in an in- and outpatient setting</p>	<p><input type="checkbox"/> yes <input type="checkbox"/> no</p>
<p>- Access to imaging facility (computed tomography, magnetic resonance imaging and PET scanning)*</p>	<p><input type="checkbox"/> yes <input type="checkbox"/> no</p>
<p>- Access to laboratory facility for relevant hormone measurements</p>	<p><input type="checkbox"/> yes <input type="checkbox"/> no</p>
<p>- Dedicated website with key information (including contact data) for patients and referring doctors</p>	<p><input type="checkbox"/> yes <input type="checkbox"/> no URL:</p>

\* if PET imaging is generally not available for clinical practice in a given country, this requirement can be waived upon request

### 3. ENS@T Center of Excellence for Pheochromocytoma / Paraganglioma

Application for PPGL CoE?	<input type="checkbox"/> yes <input type="checkbox"/> no
If yes, new Application?	<input type="checkbox"/> yes <input type="checkbox"/> no
If no, date of first accreditation?	

1. Total number of patients (new and follow-up) per year (average of 3 years) seen in the center: 25 patients with proven PPGL as documented in the ENS@T registry	<input type="checkbox"/> yes <input type="checkbox"/> no number:
2. Current survival status (within the last 18 months) of at least 50% of patients diagnosed in the last 5 years	<input type="checkbox"/> yes <input type="checkbox"/> no
3. Mean clinical annotation (defined by the ENS@T registry) per patients: $\geq 5$	<input type="checkbox"/> yes <input type="checkbox"/> no
4. Genetic status is available in at least 80% of patients diagnosed in the last 5 years*  * if genetic testing is not available in a given country, testing within ENSAT research projects should be aimed at.	<input type="checkbox"/> yes <input type="checkbox"/> no percentage: %
5. A minimum of 50 different biosamples (e.g. tumor, blood, urine...) suitable for ENSAT research project	<input type="checkbox"/> yes <input type="checkbox"/> no number:
Required board-certified medical specialties (signatures provided)	
Endocrinologist or hypertensiologist	<input type="checkbox"/> yes <input type="checkbox"/> no
Surgical team experienced in endocrine oncology / adrenal surgery (access to surgeons with special expertise in head and neck surgery)	<input type="checkbox"/> yes <input type="checkbox"/> no
Radiologist/nuclear medicine physician	<input type="checkbox"/> yes <input type="checkbox"/> no
Oncologist/radiation oncologist (optional)	<input type="checkbox"/> yes <input type="checkbox"/> no
Pathologist with PPGL expertise (possible as established collaboration outside the center)	<input type="checkbox"/> yes <input type="checkbox"/> no
Human geneticist (possible as established collaboration outside the center)	<input type="checkbox"/> yes <input type="checkbox"/> no
Structural and technical requirements	<input type="checkbox"/> yes <input type="checkbox"/> no

<ul style="list-style-type: none"> <li>- Multidisciplinary team meetings, in all disciplines mentioned above, at least twice per month</li>   <li>- Center specific standard-operating procedures for the management of patients with PPGL (adapting the most recent ESE-ENS@T and Endocrine Society guidelines)</li>   <li>- Facilities to review and manage patients in an in- and outpatient setting</li>   <li>- Access to an imaging facility (at least computed tomography, magnet resonance imaging, PET scanning, somatostatin-based and MIBG-based imaging)*</li>   <li>- Access to somatostatin-based and MIBG-based therapy*</li>   <li>- Access to laboratory facility for relevant hormone measurements (including measurement of plasma or urinary metanephrines)</li>   <li>- Dedicated website with key information (including contact data) for patients and referring doctors</li> </ul>	<p>schedule:  .....</p> <p><input type="checkbox"/> yes <input type="checkbox"/> no  documented how?  .....</p> <p><input type="checkbox"/> yes <input type="checkbox"/> no</p> <p><input type="checkbox"/> yes <input type="checkbox"/> no  URL:</p>
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#### 4. ENS@T Center of for Adrenal Incidentaloma (Non-Aldosterone Producing Adrenocortical Adenoma)

Application for NAPACA CoE?	<input type="checkbox"/> yes <input type="checkbox"/> no
If yes, new Application?	<input type="checkbox"/> yes <input type="checkbox"/> no
If no, date of first accreditation?	

<ul style="list-style-type: none"> <li>- 15 <u>new</u> patients evaluated in the center per year (average of 3 years) with NAPACAs greater than 4 cm as documented in the ENS@T registry.</li> <li style="padding-left: 20px;"><u>or</u></li> <li>- 15 <u>new</u> patients with autonomous cortisol secretion per year (average of 3 years) evaluated in the center as documented in the ENS@T registry.</li> <li style="padding-left: 20px;"><u>or</u></li> <li>- 10 <u>new</u> patients with bilateral masses per year (average of 3 years) evaluated in the center as documented in the ENS@T registry.</li> <li style="padding-left: 20px;"><u>or</u></li> <li>- 50 <u>new</u> patients per year (average of 3 years) with adrenal incidentaloma (independent of tumor size) evaluated in the center as documented in the ENS@T registry.</li> </ul>	<input type="checkbox"/> yes <input type="checkbox"/> no number:  <input type="checkbox"/> yes <input type="checkbox"/> no number:  <input type="checkbox"/> yes <input type="checkbox"/> no number:  <input type="checkbox"/> yes <input type="checkbox"/> no number:
1. Current follow-up status <sup>#</sup> (within the last 18 months) of at least 50% of patients diagnosed in the last 5 years  # as defined by the registry	<input type="checkbox"/> yes <input type="checkbox"/> no
2. Results of dexamethasone suppression test are available in at least 80% of patients diagnosed in the last 3 years.	
3. Mean clinical annotation* per patients 3	<input type="checkbox"/> yes <input type="checkbox"/> no
4. A minimum of 50 different biosamples (e.g. blood, urine, tumor...) suitable for ENSAT research project	<input type="checkbox"/> yes <input type="checkbox"/> no number:
Required board-certified medical specialties (signatures provided)	
Endocrinologist	<input type="checkbox"/> yes <input type="checkbox"/> no
Radiologist	<input type="checkbox"/> yes <input type="checkbox"/> no
Surgeon experienced in adrenal surgery	<input type="checkbox"/> yes <input type="checkbox"/> no

<p><b>Structural and technical requirements</b></p> <ul style="list-style-type: none"> <li>- Interdisciplinary team meetings to discuss patients considered for surgery at least once per month</li> <li>- Center specific standard-operating procedures for the management of patients with NAPACA (adapting the most recent ESE-ENS@T guidelines)</li> <li>- Facilities to review and manage patients in an in- and outpatient setting</li> <li>- access to imaging facility (computed tomography, magnetic resonance imaging and PET scanning*)</li> <li>- Access to laboratory facility for relevant hormone measurements</li> <li>- Dedicated website with key information (including contact data) for patients and referring doctors</li> </ul>	<p><input type="checkbox"/> yes <input type="checkbox"/> no schedule: .....</p> <p><input type="checkbox"/> yes <input type="checkbox"/> no documented how? .....</p> <p><input type="checkbox"/> yes <input type="checkbox"/> no</p> <p><input type="checkbox"/> yes <input type="checkbox"/> no</p> <p><input type="checkbox"/> yes <input type="checkbox"/> no</p> <p><input type="checkbox"/> yes <input type="checkbox"/> no URL:</p>

## 5. ENS@T Center of Excellence for Aldosterone Producing Adenoma / Primary Aldosteronism

Application for APA/PA CoE?	<input type="checkbox"/> yes <input type="checkbox"/> no
If yes, new Application?	<input type="checkbox"/> yes <input type="checkbox"/> no
If no, date of first accreditation?	

1. Total number of new patients per year (average of 3 years) seen in the center: 15 patients with proven primary aldosteronism as documented in the ENS@T registry	<input type="checkbox"/> yes <input type="checkbox"/> no number:
2. Current follow-up status <sup>#</sup> (within the last 18 months) of at least 50% of patients diagnosed in the last 5 years	<input type="checkbox"/> yes <input type="checkbox"/> no
# defined by the registry	
3. Mean clinical annotation* per patients 5	<input type="checkbox"/> yes <input type="checkbox"/> no
4. A minimum of 50 different biosamples (e.g. tumor, blood, urine...) suitable for ENSAT research project	<input type="checkbox"/> yes <input type="checkbox"/> no number:
5. Adrenal vein sampling at least 5/year	<input type="checkbox"/> yes <input type="checkbox"/> no number:
Required board-certified medical specialties (signatures provided)	
Endocrinologist or hypertensiologist	<input type="checkbox"/> yes <input type="checkbox"/> no
Interventional specialist experienced in adrenal vein sampling	<input type="checkbox"/> yes <input type="checkbox"/> no
Surgeon experienced in adrenal surgery	<input type="checkbox"/> yes <input type="checkbox"/> no
Structural and technical requirements	
- Interdisciplinary team meetings to discuss patients that will undergo surgery (at least once per month)	<input type="checkbox"/> yes <input type="checkbox"/> no schedule: .....
- Standard-operating procedure for the management of patients with primary aldosteronism (adapting the most recent guidelines)	<input type="checkbox"/> yes <input type="checkbox"/> no documented how? .....
- Facilities to review and manage patients in an in- and outpatient setting	<input type="checkbox"/> yes <input type="checkbox"/> no

<p>- State-of-the-art imaging facility (at least computed tomography and magnetic resonance imaging)</p>	<p><input type="checkbox"/> yes <input type="checkbox"/> no</p>
<p>- Access to state-of-the-art laboratory facility for relevant hormone measurements (intra-procedural cortisol measurement desirable)</p>	<p><input type="checkbox"/> yes <input type="checkbox"/> no</p>
<p>- Dedicated website with key information (including contact data) for patients and referring doctors</p>	<p><input type="checkbox"/> yes <input type="checkbox"/> no</p>
	<p><input type="checkbox"/> yes <input type="checkbox"/> no URL:</p>

## 6. ENS@T Research Center of Excellence for adrenal tumors

Application for Research CoE?	<input type="checkbox"/> yes <input type="checkbox"/> no
If yes, new Application?	<input type="checkbox"/> yes <input type="checkbox"/> no
If no, date of first accreditation?	

At least one researcher is a principle investigator on basic, translational or clinical studies on adrenal tumors who has acquired national or international funding (documented within the last 5 years).	<input type="checkbox"/> yes <input type="checkbox"/> no number of researchers: sum of funding (5 years):
Number of publications of the team within the last 5 years:  - 20 peer-reviewed, PubMed listed publications in the field  - with at least 10 out of those with a leading authorship (first, senior or corresponding author)	<input type="checkbox"/> yes <input type="checkbox"/> no number:  <input type="checkbox"/> yes <input type="checkbox"/> no number:
Leading a basic/translational ENS@T studies  <u>or</u>  Contributing with essential techniques to an ENSAT studies  <u>or</u>  Presenting at least one oral talk at one of the ENSAT meeting in the last 5 years  <u>or</u>  Contributing in an ENSAT grant application	<input type="checkbox"/> yes <input type="checkbox"/> no number:  <input type="checkbox"/> yes <input type="checkbox"/> no number:  <input type="checkbox"/> yes <input type="checkbox"/> no number:  <input type="checkbox"/> yes <input type="checkbox"/> no number:
Active participations in ENSAT meetings:  - orals  - poster	<input type="checkbox"/> yes <input type="checkbox"/> no number (last 3 years):  <input type="checkbox"/> yes <input type="checkbox"/> no number (last 3 years):
Dedicated research facility:	

- clinical or IT research facility

yes  no

or

- lab space

yes  no

or

- animal facility

yes  no